German
Design Award

WINNER 2022
WINNER 2014

reddot
design award

winner 2013

iF
product
design award

2014 ■

Focus Open 2013
Silver

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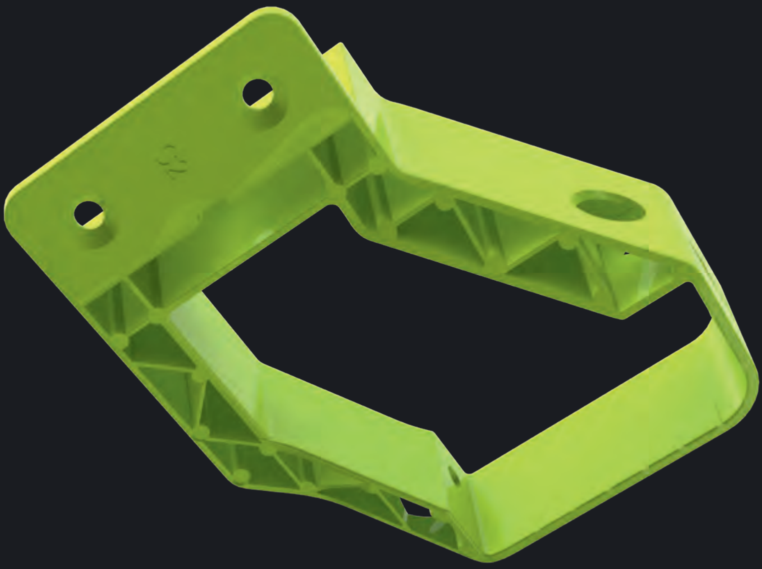

elneos® connect

Award-winning complete solutions for electronics laboratories, training centers, production and assembly plants.

elneos® connect

The new laboratory furniture and assembly workstation system.

enjoy your work!

This is our motto – because workplace systems, measuring and testing devices and test systems for electrical safety and function are our passion and our product world.

As the market founder of electronic laboratory equipment for industry and education and a manufacturer with unparalleled vertical integration, we stand for the highest standards and individual solutions. With our *elneos connect* workstation and furniture system, we offer innovative practicality and safety – **the lifetime experience!**

erfi
Anmeldung
Registration
Kundencenter
Customer Center
Lieferanten Tor 3
Suppliers Gate 3

Our new customer center

We have been successfully developing and producing our products in Freudenstadt for 70 years. Thanks to our high level of vertical integration in furniture construction and electronics, we have unique expertise in Industry 4.0 standards.

You can experience all of this directly on site in our new customer center.

We also offer interested parties the opportunity to visit the showroom virtually via a digital twin.

We look forward to your visit!

Visit our customer center in Freudenstadt with 1.100 m^2 of exhibition space in conjunction with a production tour.

On site: Please make an appointment by calling +49 7441 9144-404 or by e-mail: kc@erfi.de

Or online: Click on our homepage: www.erfi.de or directly into the virtual customer center.

elneos® connect

the lifetime experience

The elneos® connect system

elneos® connect....................................7
Base table....................................8
Electrical engineering laboratory....................................11
Assembly and testing environment....................................19
Education....................................25
Monitoring....................................33
Flexible and secure....................................34
The Connector....................................36
The colors of the connector....................................40
The profiles....................................42
The L-profile....................................44
The expansion profile 1....................................46
The expansion profile 2....................................48
The erfi-Bridge....................................52
The height adjustment....................................55
Lightweight, highly stable and versatile....................................56
The ergo-line worktop....................................58
The Techkante alu-line....................................60
Table structure and cockpit....................................62
The cockpit profiles....................................65
The lighting concept....................................67
The container program....................................70
Order information....................................73

elneos® Didactic....................................177
elneos® learn cubix....................................223
elneos® Assembly world....................................237
elneos® Wet labs....................................274
elneos® orgatower....................................277
elneos® cubix wardrobe system....................................313
elneos® stay Functional seating furniture....................................344
elneos® Mobile....................................351
elneos® 19 - modern 19 inch cabinet system....................................364

General accessories....................................371
Chairs....................................383

We produce all technical workstation systems, electronic devices, measuring and testing devices, test systems for electrical safety and function as well as teaching systems for you at our Freudenstadt site on over 11,000 m$^{(2)}$.

Our high level of vertical integration in furniture and electronics production is a guarantee of consistently high production quality. All production steps are subordinated to the principle of Industry 4.0. Our manufacturing expertise ranges from cutting, edging with laser technology, CNC free-form milling and drilling as well as the entire metal construction in furniture to PCB assembly, device construction and the electrification of complete laboratory, workstation and test systems.

This manufacturing expertise sets us apart as an innovative company. We are therefore always one step ahead when it comes to product innovation and our solutions have been recognized with prestigious design awards since the 1980s.

reddot
design award
winner 2013

product
design award
2014 ■

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elneos® connect

the lifetime experience

The technology-leading workstation and furniture system *elneos connect* is characterized by comprehensive innovations and safety.

elneos connect offers maximum flexibility thanks to its basic profile, the L-shaped aluminum profile, which can accommodate additional profiles for different applications. The sophisticated profile system makes it possible to accommodate a wide range of cables, quickly adjust the working height and connect to a table-top bridge for holding equipment.

All this is possible thanks to the so-called connector. It connects the frame construction to the table and frees the profiles from the pure load-bearing function. The connector enables homogeneous and uninterrupted media routing.

The biodynamic workplace lighting from *elneos connect*, which can be adjusted in terms of brightness, light color and inclination, is a highlight thanks to further improved RGB LED technology and sensory color coding. It automatically adapts to the human biorythm. In addition, *elneos connect* can be equipped with a completely newly developed indication light, which can dynamically display the table status and / or measured value in different colors.

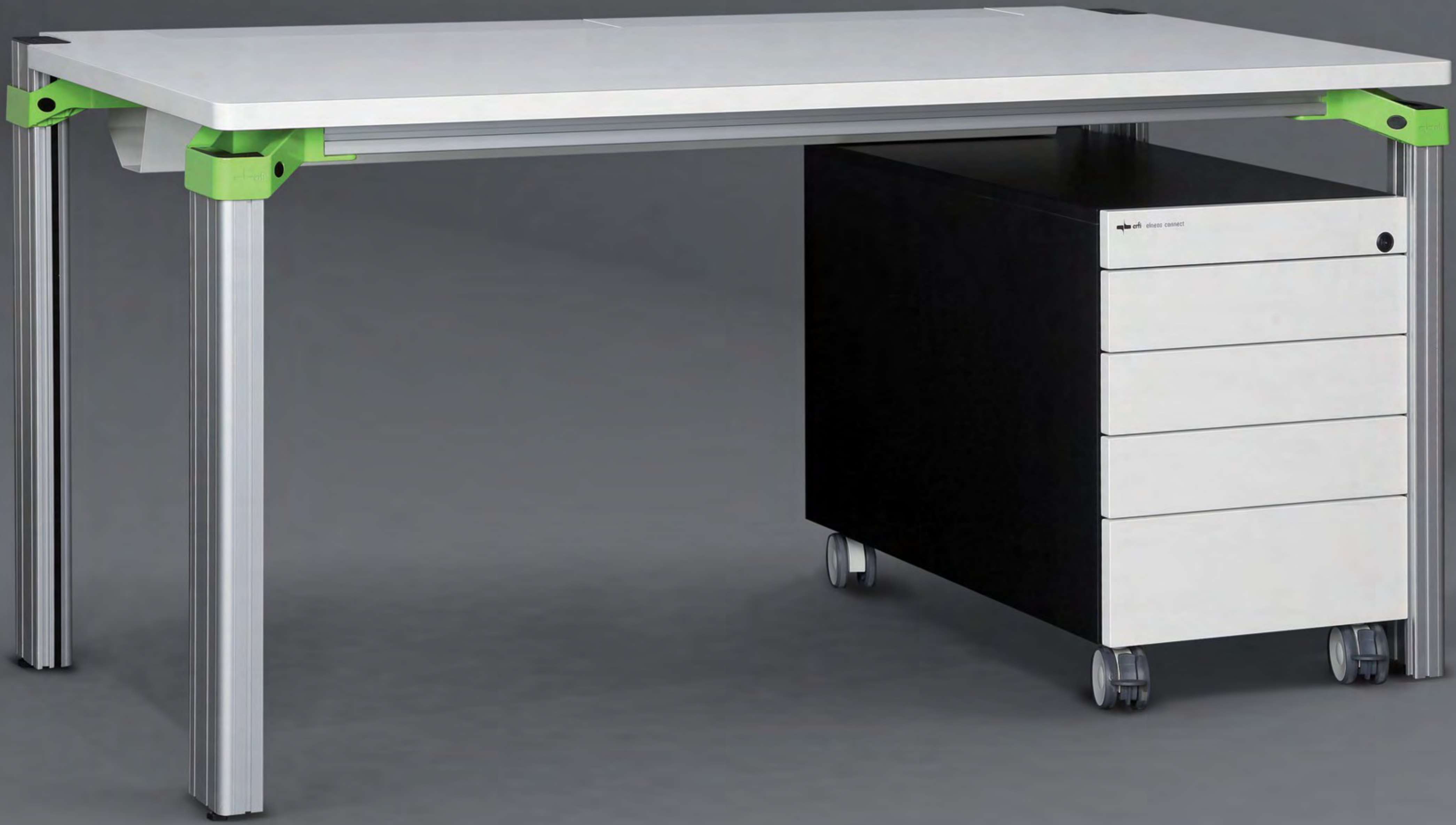
elneos® connect basic table

Laboratory workstations for industry and education in simple to highly complex designs for all requirements.

ESD base table elneos® connect

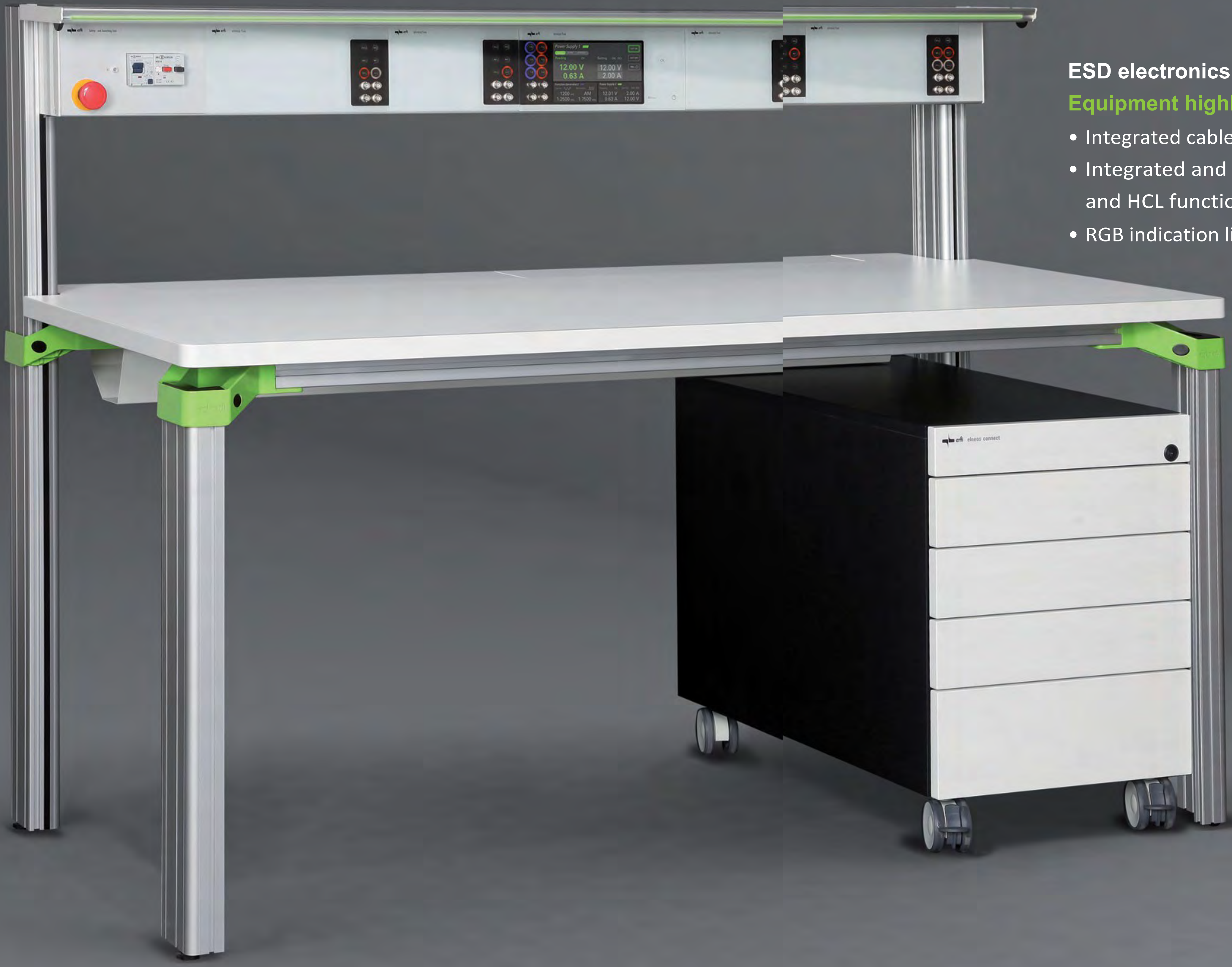
Equipment highlights

- Expanding profile 1 (vertical)
- Worktop ergo-line (corner radius 20 mm, laser edge)
- Integrated cable flap and cable tray
- Mobile pedestals with touch-to-open equipment
- Connectors in standard color green RAL DESIGN 1107070



Further colors page 40.

elneos® connect in the electrical engineering laboratory



ESD electronics laboratory workstation elneos® connect

Equipment highlights

- Integrated cable flap and cable tray
- Integrated and biodynamic RGB LED light with BT and HCL function
- RGB indication light in storage board

Further features

- Expanding profile 1 (vertical)
- 19-inch/ 3 U device cockpit with *elneos five* device system for dual power supply unit, digital multimeter and function generator
- Mobile pedestals with touch-to-open equipment

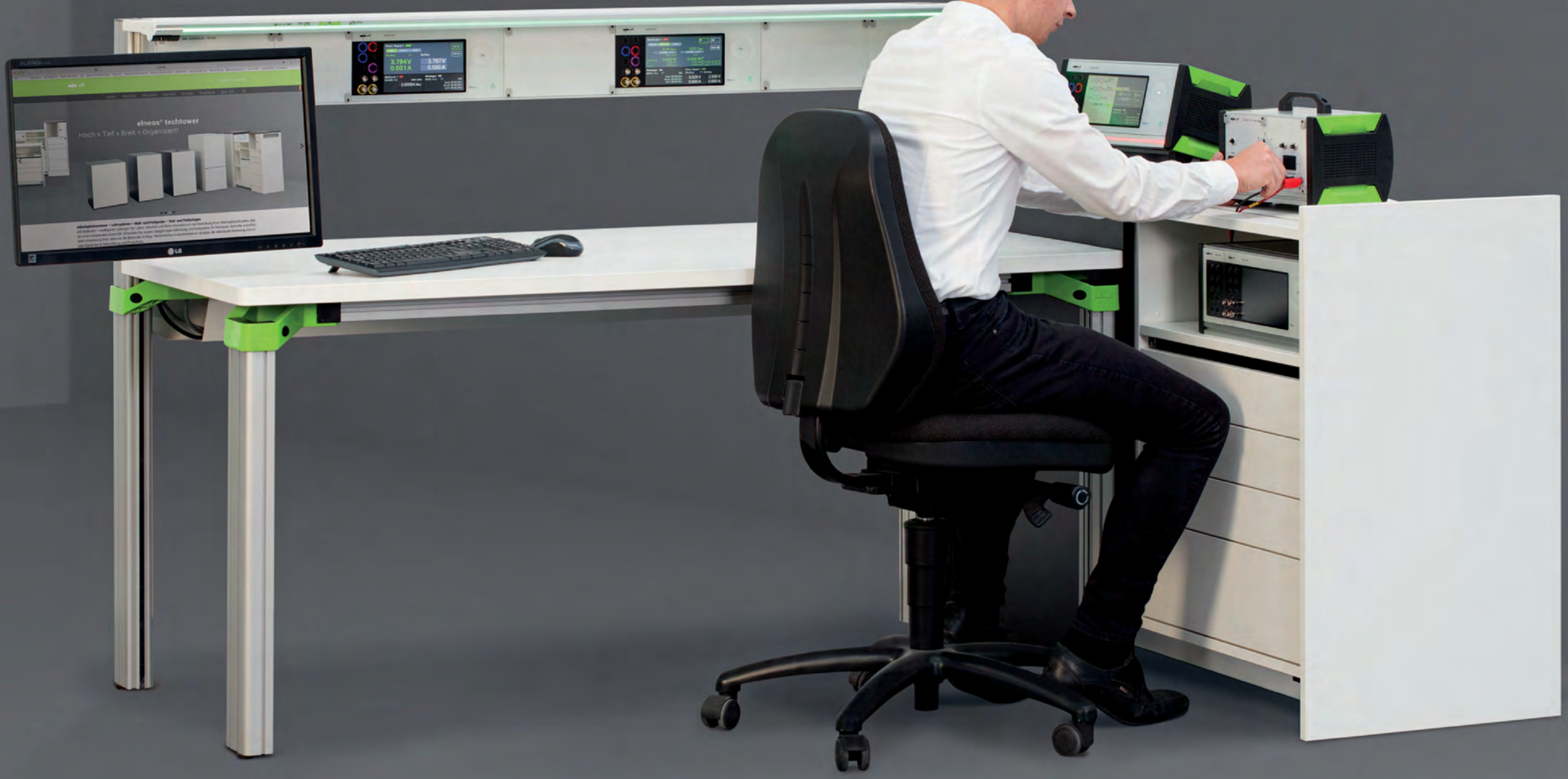
ESD electronics laboratory workstation elneos® connect with elneos® Orgatower

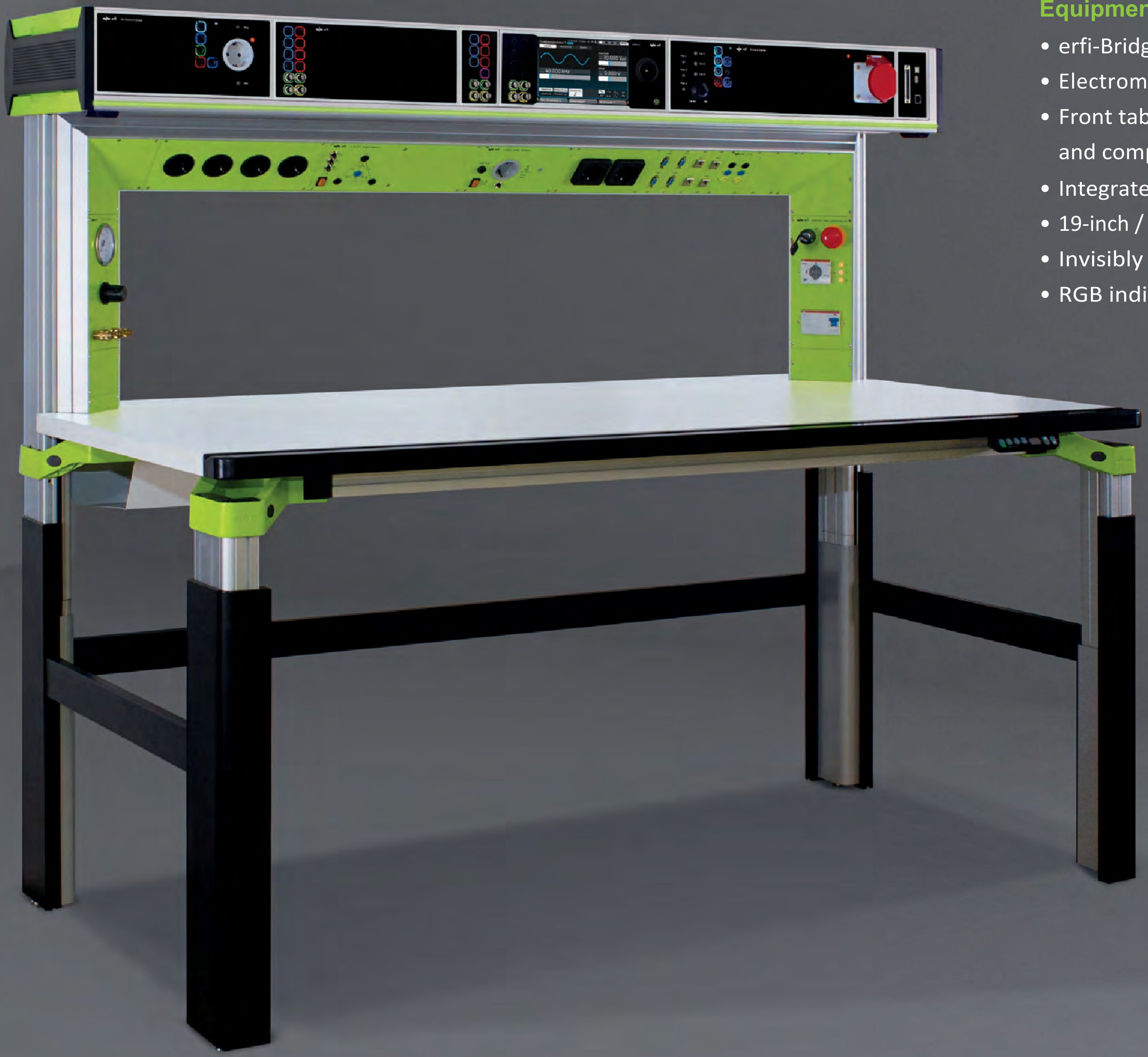
Highlights of the equipment

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Expanding profile 1 (vertical)
- RGB indication light on the shelf board for status display
- Integrated cable flap and cable tray

Further features

- 19-inch / 3 U device cockpit and storage board with *elneos five* device system for power supply unit, digital multimeter and function generator
- Integrated, biodynamic RGB LED light with BT (Bluetooth) and HCL function (Human Centric Lighting)
- *elneos Orgatower* with drawers and pull-out shelf for measurement technology





Electronics laboratory workstation elneos® connect

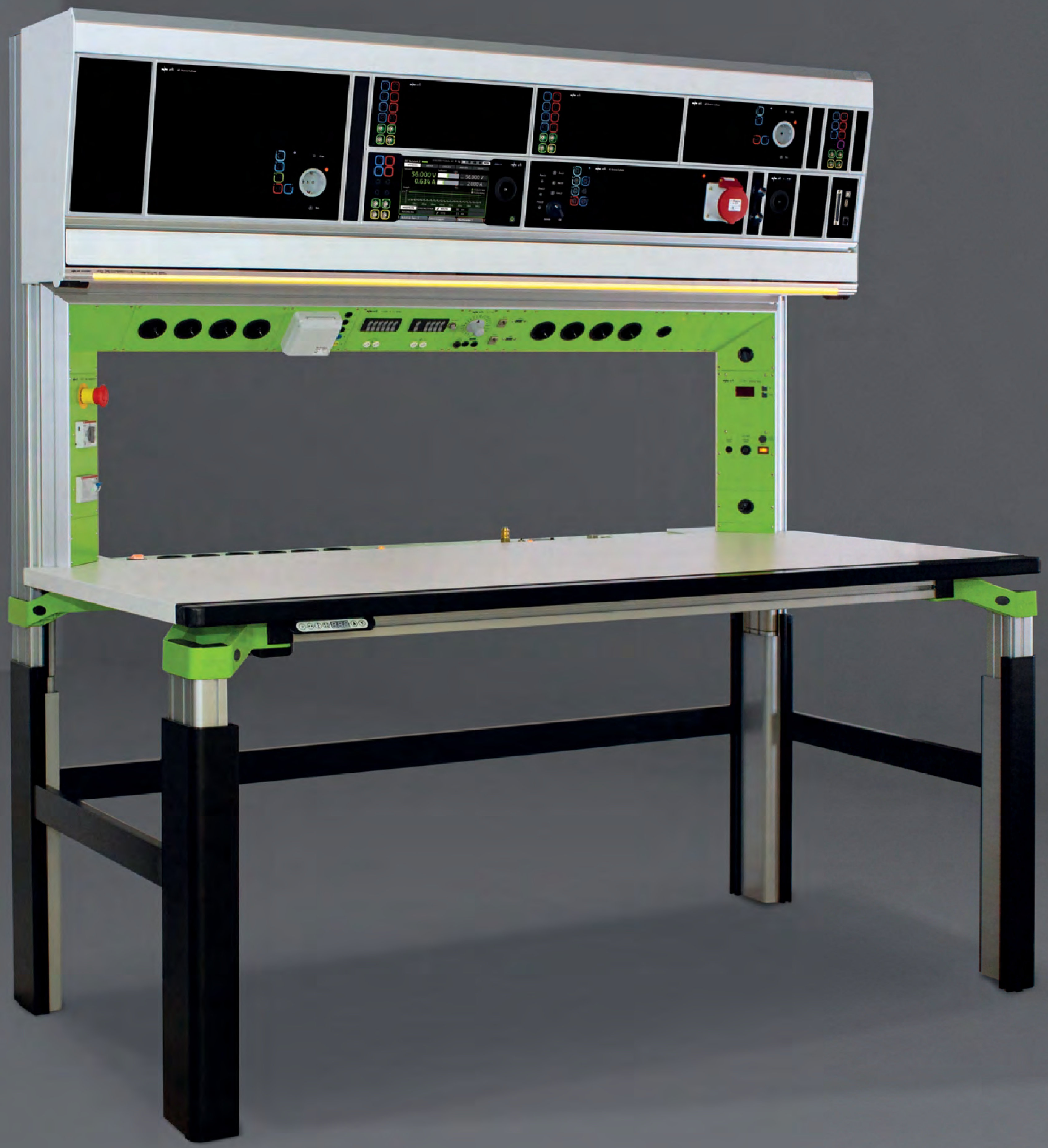
Equipment highlights

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Front table edge with new alu-line tech edge and comprehensive laser edge
- Integrated cable flap and cable tray
- 19-inch / 3 U device cockpit made of aluminum
- Invisibly integrated RGB LED light
- RGB indication light across the entire table width

Cockpit equipment elneos® six

- 3U / 56 HP slide-in module for 1-phase AC source
- Universal plug-in units for additional DC sources, digital multimeters, power meters, function generators and arbitrary generators
- Control center to accommodate all devices except AC sources with 8-inch multi-touch display, 3D gesture control and voice control
- Plug-in unit 3 U / 95 HP for 3-phase AC source with intelligent Ring socket lighting incl. function labeling
- Connect insert plate with all device interfaces such as USB A and USB B, LAN, 10 digital outputs and 8 digital inputs

* erfi bridge in green as special equipment and connectors in green as standard.



ESD electronics laboratory workstation elneos® connect

Equipment highlights

- erfi-Bridge (*green) equipped with *acto* device system
- Electromotive height adjustment
- Front table edge with new alu-line tech edge and comprehensive laser edge
- Integrated supply terminal in the table top
- 19-inch / 6 U device cockpit 10° inclined
- Allrounder multifunctional pull-out (cable drawer)
- Invisible RGB LED light
- RGB indication light across the entire table width

Special feature cockpit equipment elneos® six

- *elneos six* control center
- Plug-in units in 3 / 6 U for 1-phase and 3-phase AC sources
- Two universal plug-in units 3 U / 63 HP for additional DC sources, digital multimeters, power meters, function generators and arbitrary generators
- 3 U / 14 HP slide-in module for additional digital multimeters, power meters, function generators and arbitrary generators that are not integrated in the control center for space reasons
- Insert plate with rotary encoders and second airwheel
- Connect insert panel with all device interfaces such as USB A and USB B, LAN, 8 digital inputs and 10 digital outputs

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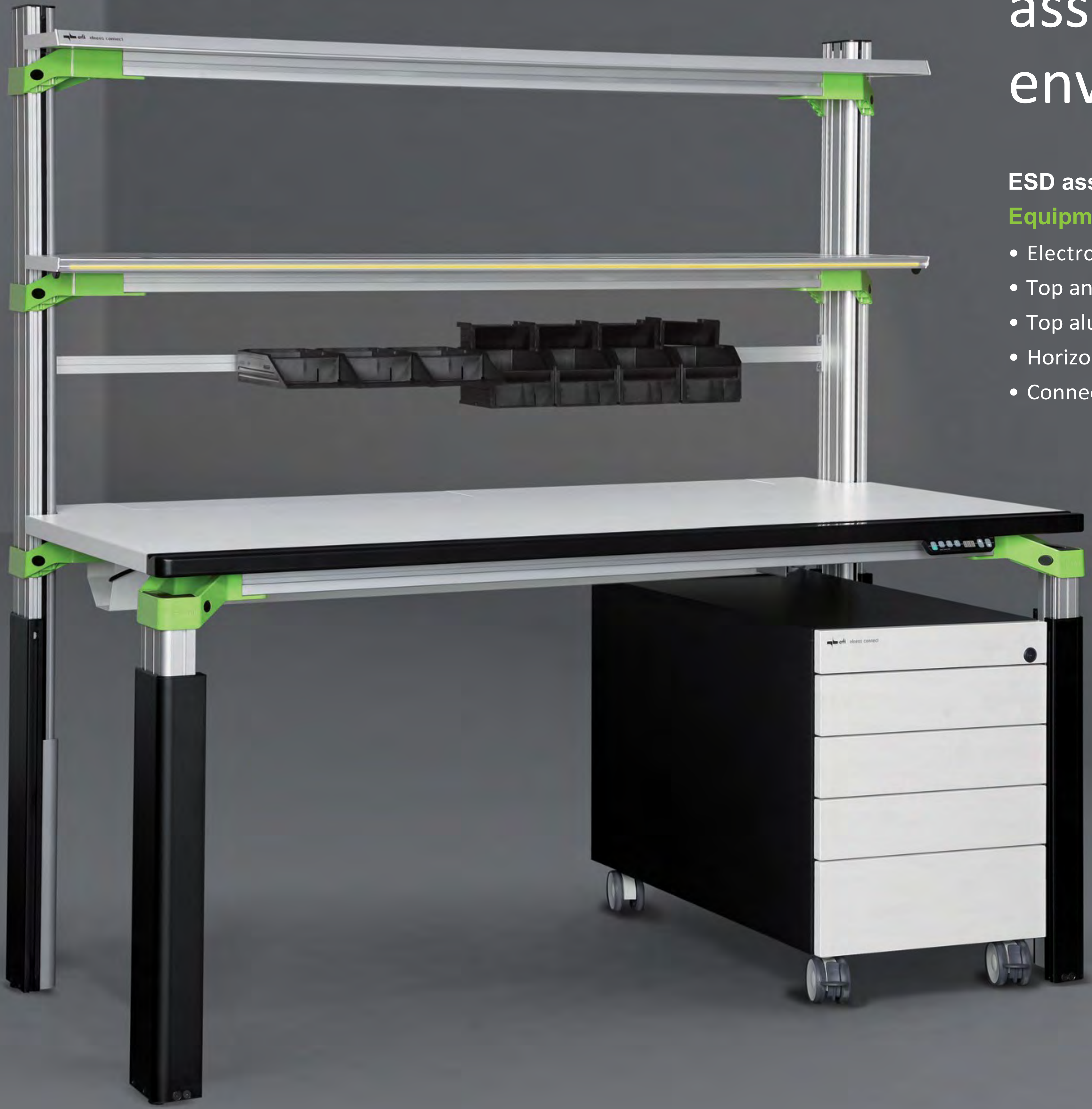
* erfi bridge in green as special equipment and connectors in green as standard.



elneos® connect in the assembly and testing environment

ESD assembly workstation elneos® connect

Equipment highlights

- Electromotive height adjustment
- Top and bottom shelf
- Top aluminum functional profile with stopper edge
- Horizontal aluminum profile with material shells
- Connectors in the third level

Further features

- Expanding profile 1 (vertical)
- Front table edge with Tech-edge alu-line
- Integrated cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB indication light on the shelf
- Mobile pedestals with touch-to-open equipment

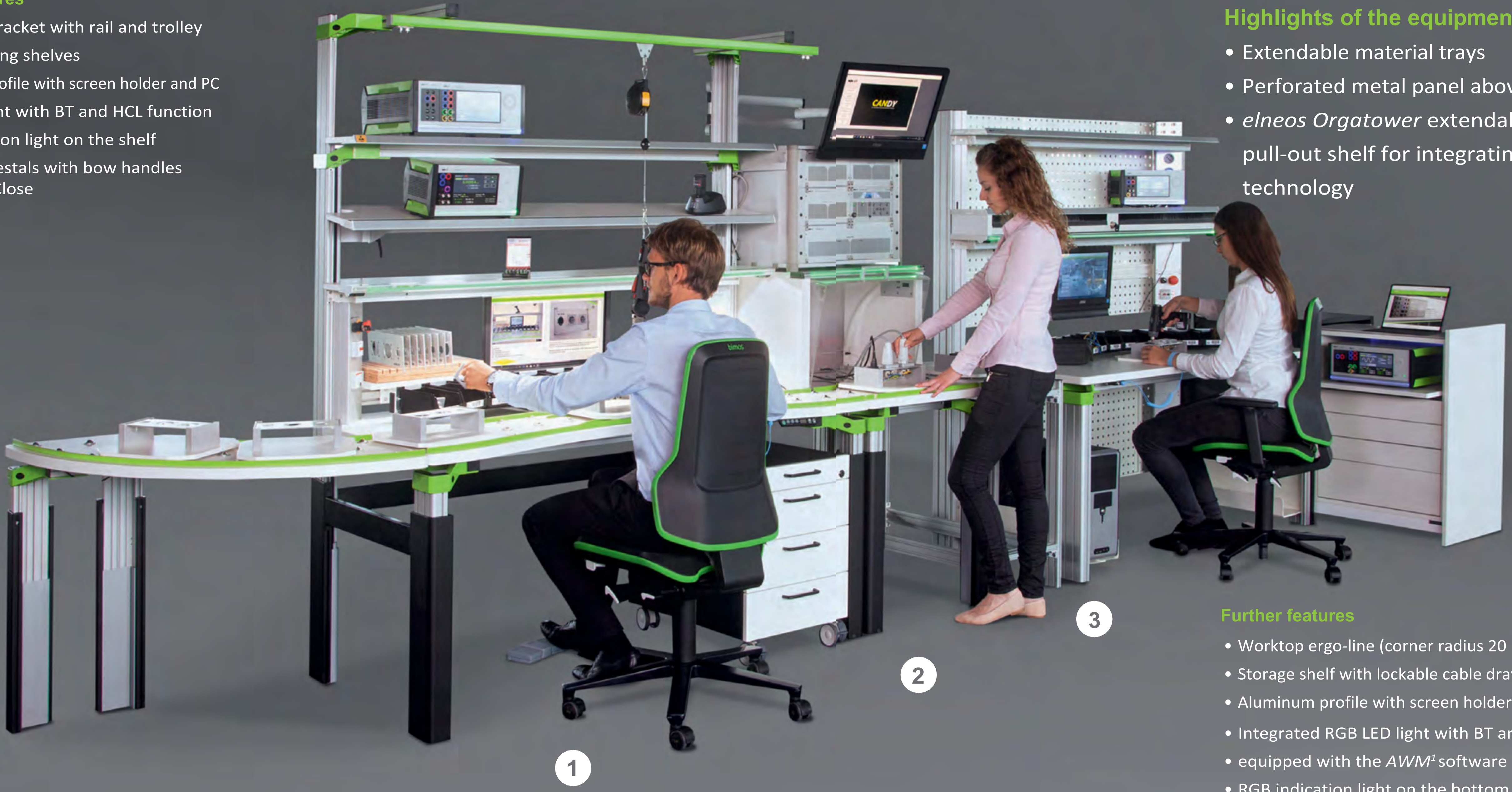
1. Software-controlled ESD assembly workstation elneos® connect

Equipment highlights

- *elneos fix* transfer system with ball roller conveyor
- Electromotive height adjustment for feed table, assembly table and simultaneously fully height-adjustable test components
- Ergonomically curved worktop with laser edge
- equipped with the *AWM* software [1]

Further features

- Mounting bracket with rail and trolley
- Partially tilting shelves
- Aluminum profile with screen holder and PC
- RGB LED light with BT and HCL function
- RGB indication light on the shelf
- Mobile pedestals with bow handles and Smart-Close



2. ESD test workstation elneos® connect with VDE test system CANclass®

Equipment highlights

- Test cabin with CANclass Compact Tester for electrical safety and function[2] including Candy test software
- RGB indication light on top of test cabin for good/bad indication
- QR code scanner included

3. ESD assembly workstation elneos® connect with elneos® Orgatower

Highlights of the equipment

- Extendable material trays
- Perforated metal panel above and below the table top
- *elneos Orgatower* extendable with drawers and pull-out shelf for integrating measurement technology

Further features

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Storage shelf with lockable cable drawer
- Aluminum profile with screen holder and all-in-one PC
- Integrated RGB LED light with BT and HCL function
- equipped with the *AWM*[1] software
- RGB indication light on the bottom edge of the cable drawer

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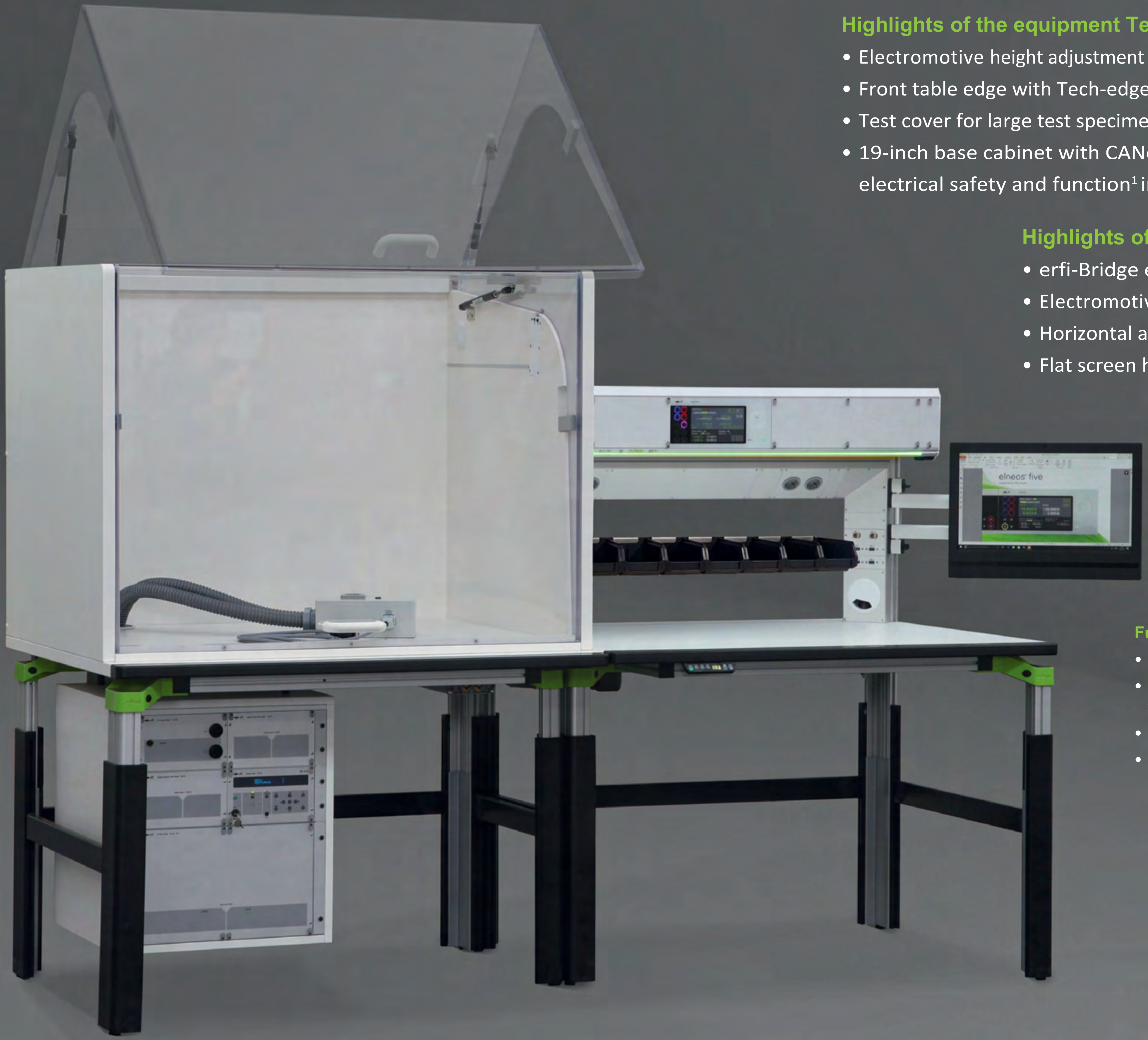
[1] AWM – Assembly Workflow Management for flexible assembly work

[2] High-voltage, insulation, protective conductor and leakage current testing



ESD test workstation elneos® connect with VDE test system ®

Highlights of the equipment Test table left

- Electromotive height adjustment
- Front table edge with Tech-edge alu-line
- Test cover for large test specimens
- 19-inch base cabinet with CANclass device system for testing electrical safety and function[1] incl. Candy testing software

Highlights of the equipment Cockpit table right

- erfi-Bridge equipped with *acto* device system
- Electromotive height adjustment
- Horizontal aluminum profile with material shells
- Flat screen holder with All-in-One PC

Further features

- Front table edge with Tech-edge alu-line
- 19-inch/ 3 U device cockpit with *elneos five* device system for power supply unit, digital multimeter and function generator
- Integrated RGB LED light with BT and HCL function
- RGB indication light on the lower edge of the cockpit

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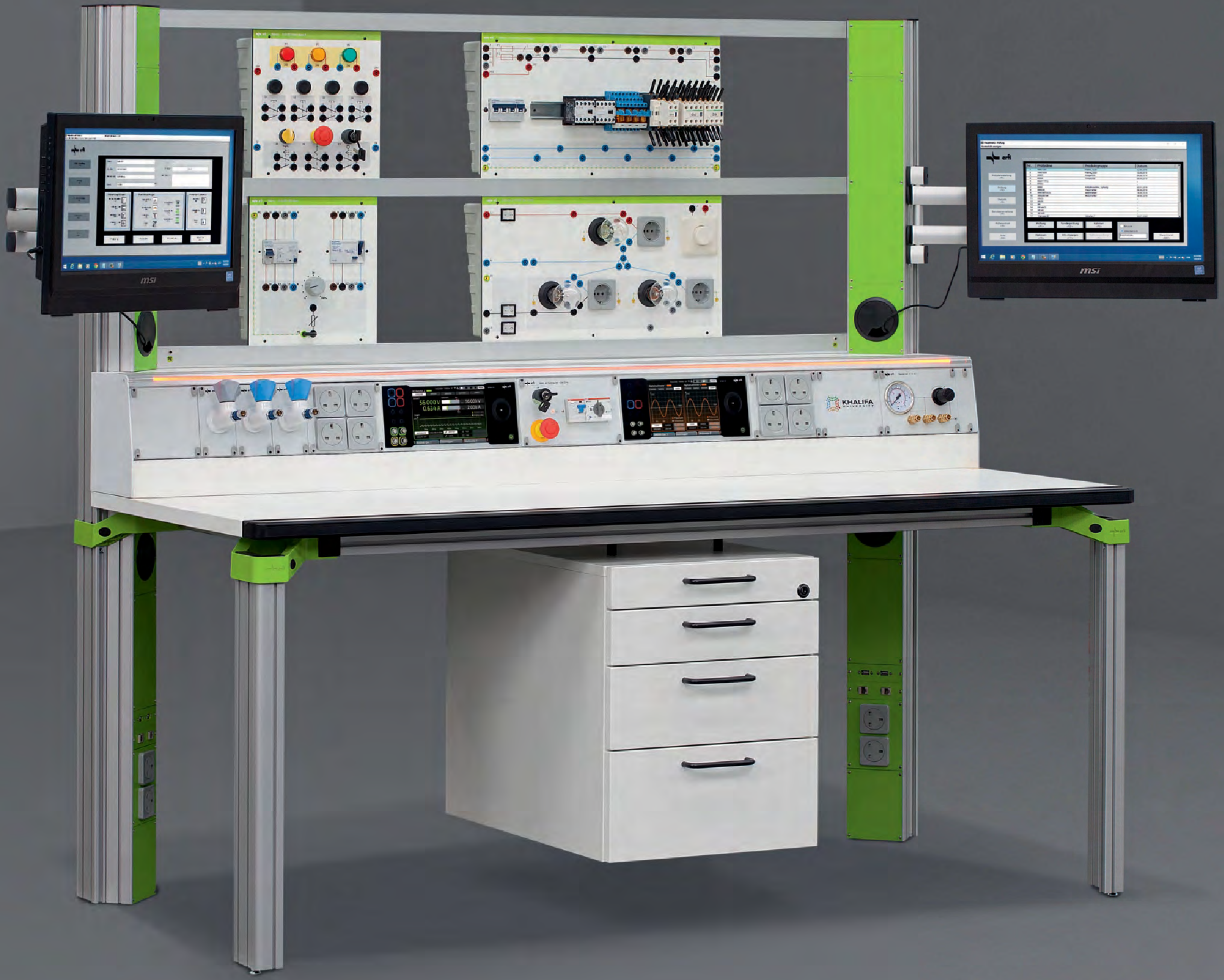
[1] High-voltage, insulation, protective conductor and leakage current testing

*erfi Bridge is anodized as standard and connectors are green as standard, for other colors see page 40.

elneos® connect in training



Training workstation elneos® connect

Equipment highlights

- Safety gas connection fitting with shut-off device for natural gas and LPG *(basic)*
- *elneos six* control center for simultaneous inclusion of all device groups except AC sources with 8-inch multi-touch display, 3D gesture and voice control
- Safety and switching unit *(basic)*
- Table top with Aluline edge at the front
- 10° inclined 19-inch / 3 U table structure
- Integrated RGB indication light across the entire width of the laboratory bench
- Vertical expansion profile 2 below the table top and above the table superstructure fitted with *acto* device system (*green)

Further features

- Compressed air unit *(basic)*
- Suspended container can be moved steplessly to the left and right
- Two DIN A4 experiment frames to hold the DIN A4 teaching aids
- two All-in-One PCs with 23-inch touch screen and monitor holder and
- Room control software *highlink Power*
- Socket outlet panels *(basic)*

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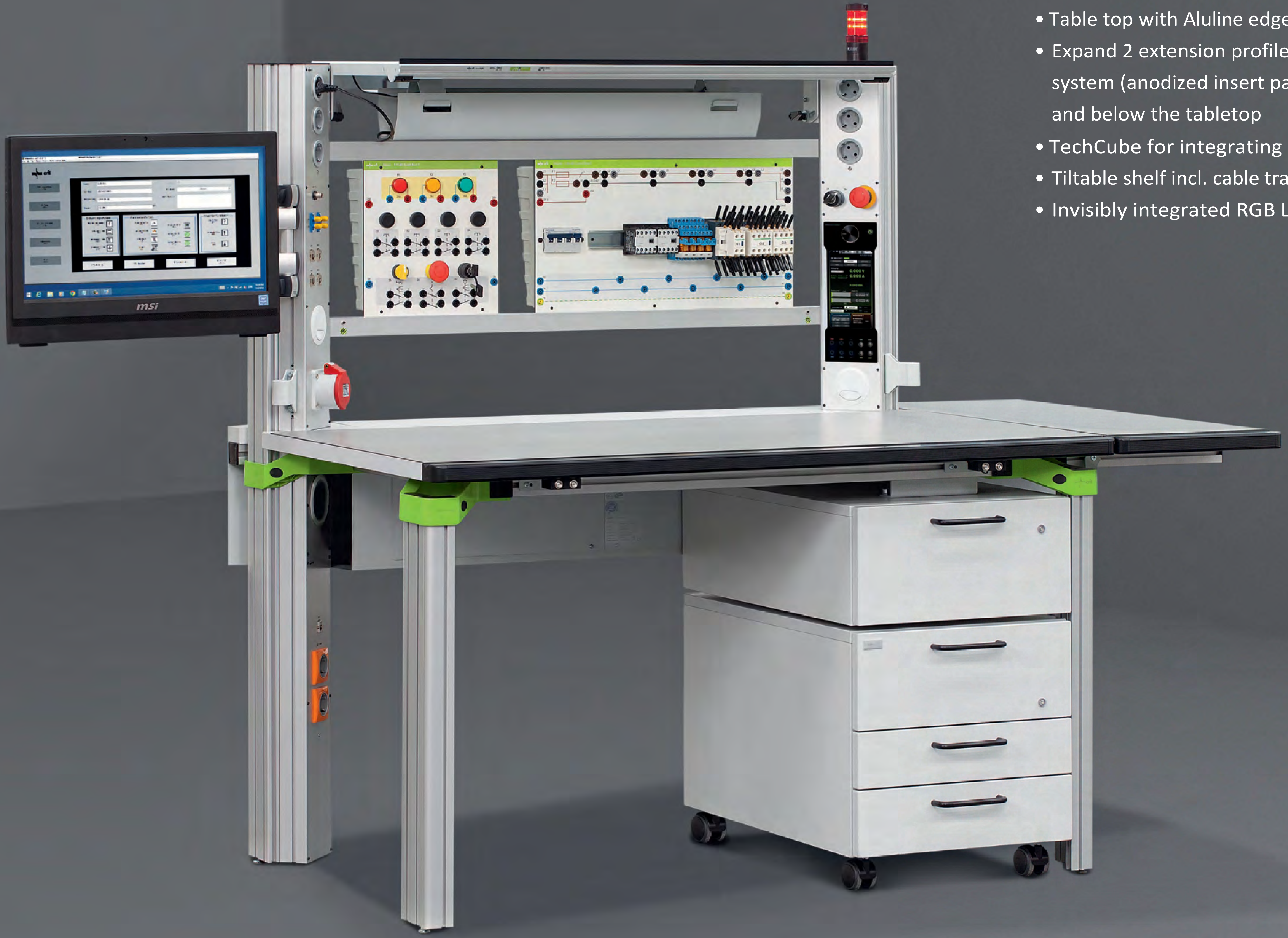
* Vertical expansion profile 2 in green as an optional extra.



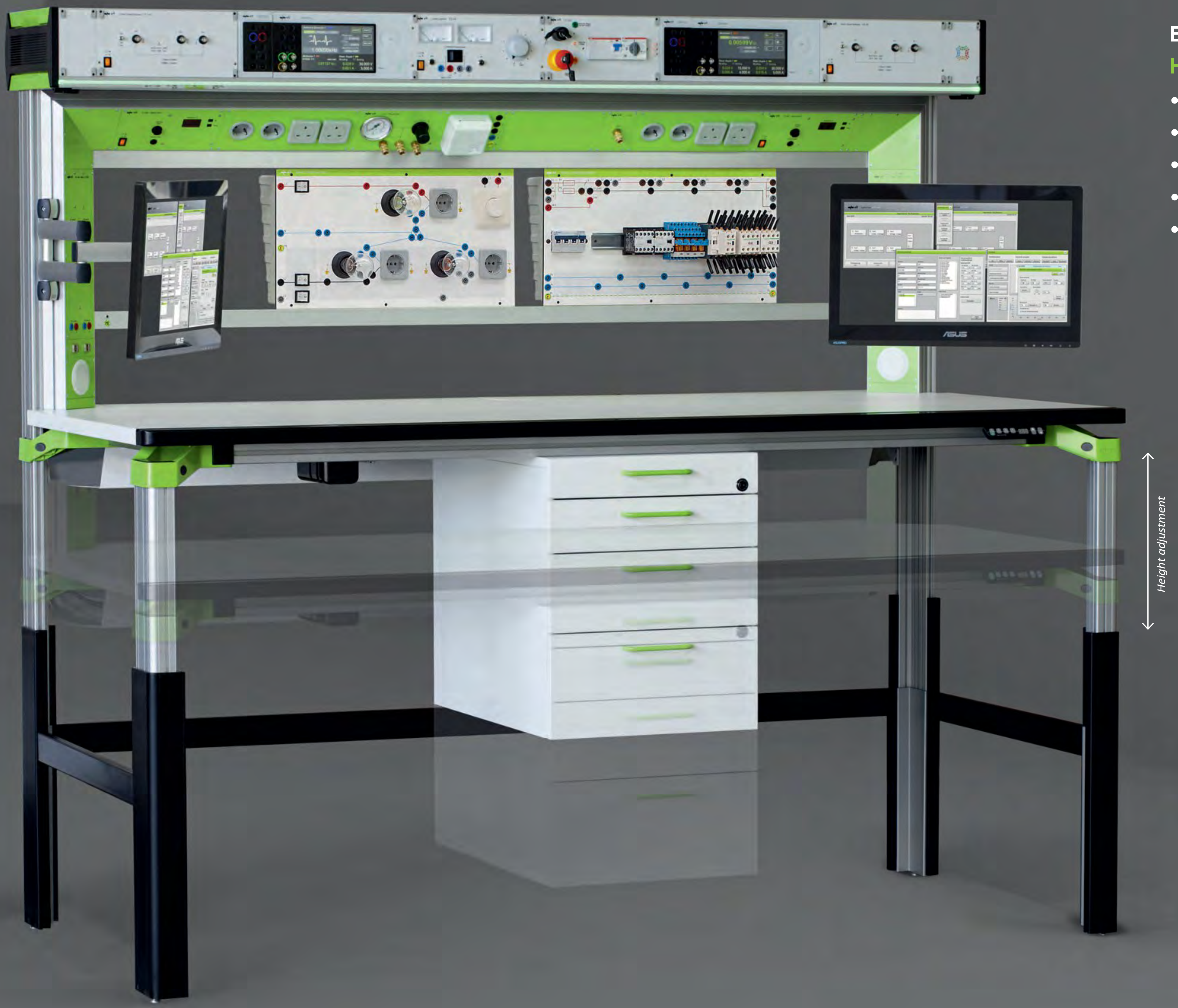
Training workstation elneos® connect

Equipment highlights

- Control center *elneos six* compact vertically integrated with DC power supply unit, digital multimeter and function generator
- Table top with Aluline edge at the front
- Expand 2 extension profile (vertical) fitted with *acto* device system (anodized insert panels) on the left and right above and below the tabletop
- TechCube for integrating the DC and AC output stages
- Tiltable shelf incl. cable tray underneath
- Invisibly integrated RGB LED light

Further features

- Suspended container with one drawer incl. electronic central locking,
  Infinitely adjustable to the left and right
- Mobile pedestal (under suspended pedestal) incl. electronic central locking system
- a DIN A4 experiment frame to hold the DIN A4 teaching aids
- LED warning light column
- Extension plate can be mounted on both sides to extend the table
- an all-in-one PC with 23-inch touchscreen and monitor holder
- Socket outlet panels and EMERGENCY STOP *(acto)*



ESD training workstation elneos® connect

Highlights of the equipment

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Room control software *highlink Power*
- Two flat screen holders with All-in-One PC
- 19-inch/ 3 U aluminum device cockpit with *elneos five* device system for dual power supply unit, digital multimeter, function generator and 19-inch *basic* device system with oscilloscope and AC source, among other things

Further features

- Front table edge with Tech-edge alu-line
- Integrated, split cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB indication light on the lower edge of the cockpit
- 1-row DIN A4 experiment frame incl. erfi Didactic teaching aids (basic package)
- Wall container with bow handles and Smart-Close

---

* erfi Bridge in green as an optional extra and connectors in green as standard.

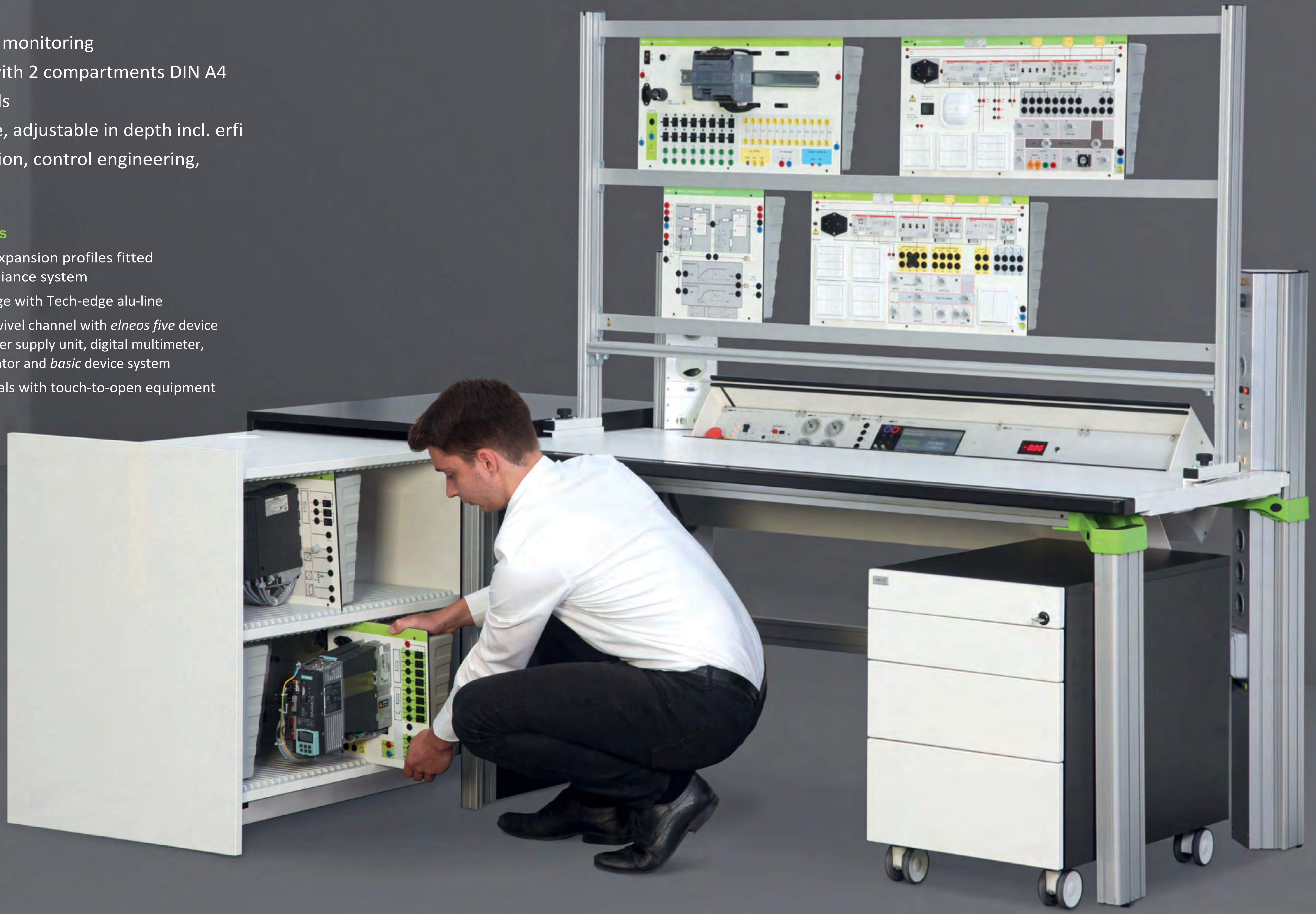
ESD training position elneos® connect with swivel superstructure and elneos® Orgatower

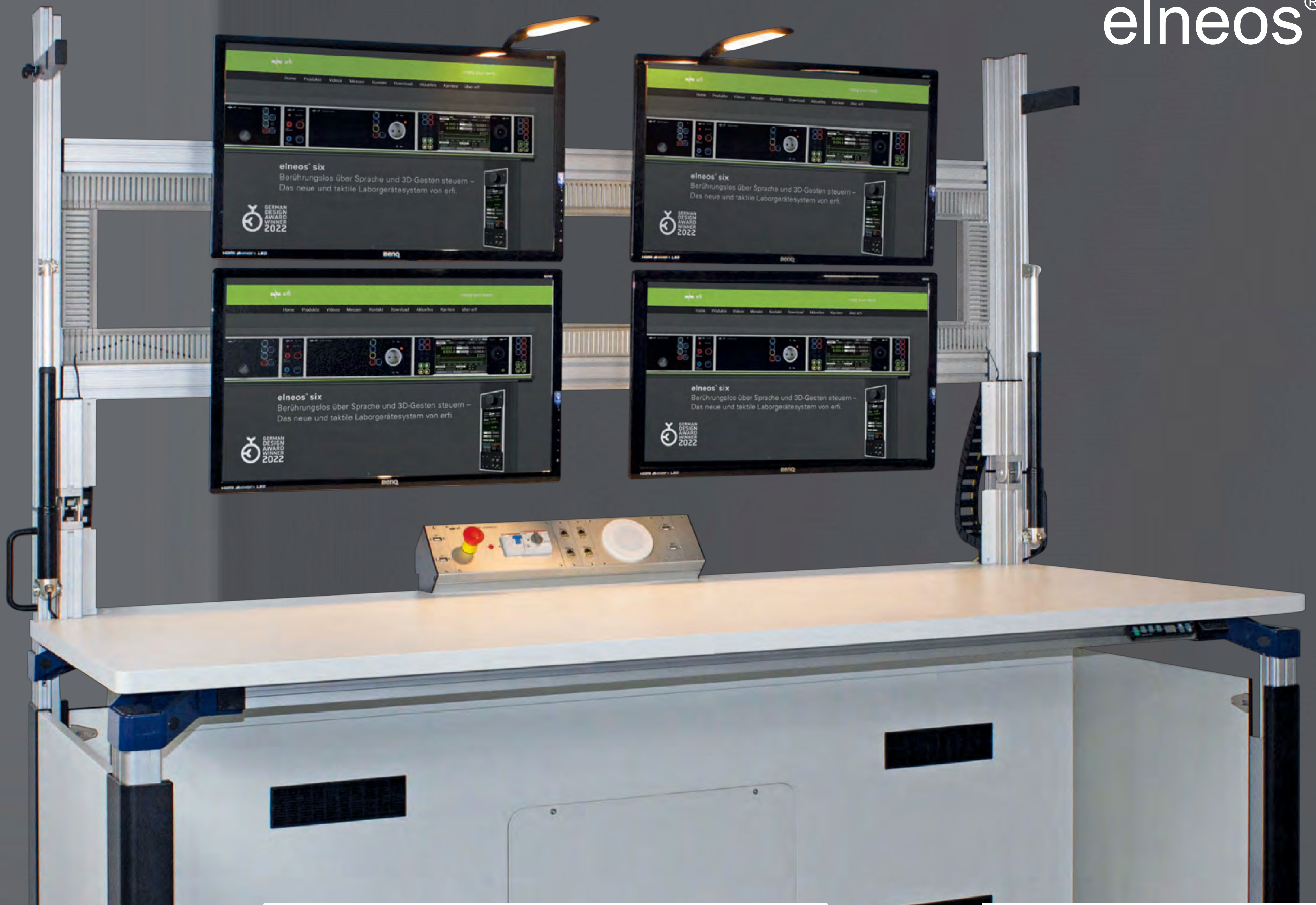
Equipment highlights

- Electromotive swivel table
- Completely covered with safety monitoring
- *elneos Orgatower* extendable with 2 compartments DIN A4 teaching aids and didactic panels
- 2-row DIN A4 experiment frame, adjustable in depth incl. erfi didactic teaching aids (automation, control engineering, building automation)

Further features

- 2 full-length expansion profiles fitted with *acto* appliance system
- Front table edge with Tech-edge alu-line
- 19-inch / 3 U swivel channel with *elneos five* device system for power supply unit, digital multimeter, function generator and *basic* device system
- Mobile pedestals with touch-to-open equipment




elneos six
Berührungslos über Sprache und 3D-Gesten steuern –
Das neue und taktile Laborgerätesystem von erfi
GERMAN DESIGN AWARD WINNER 2022

elneos® connect in the Monitoring

elneos® connect control center

Equipment highlights

- Electromotive height adjustment
- Electromotive folding superstructure
- Horizontal and vertical cable ducts and cable drag chain for clean cable routing
- Base cabinet with ventilation grilles at the front and storage space for PCs at the rear
- Highly stable chassis frame

Further features

- Horizontal mounting rails for 4 monitors
- Horizontal expansion profile 2 on the table top
- Lateral veneering

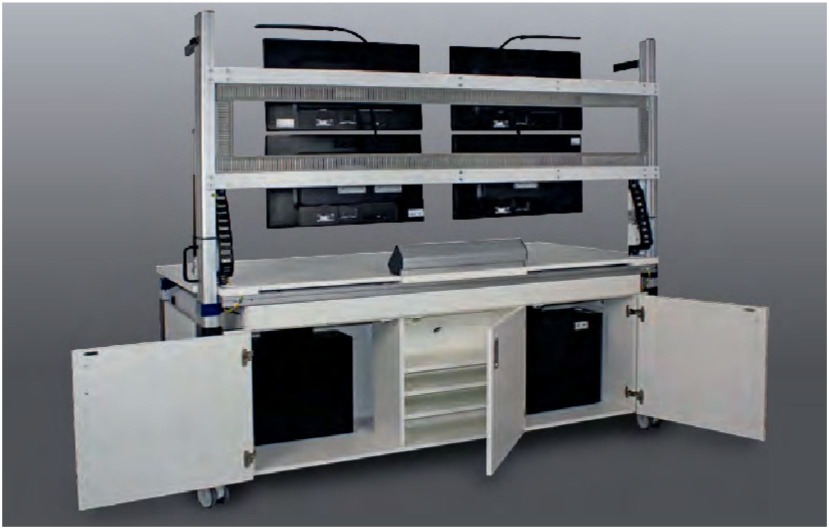


Fig. 1: Control station from behind with doors open to accommodate switch, PC, etc.

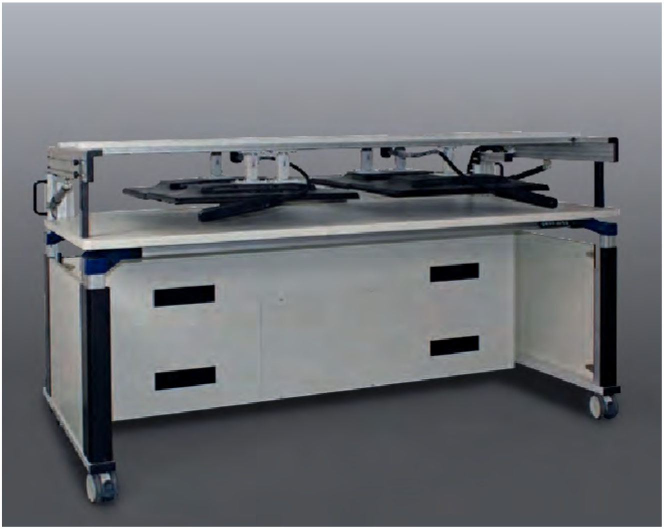


Fig. 2: Control station completely folded up.

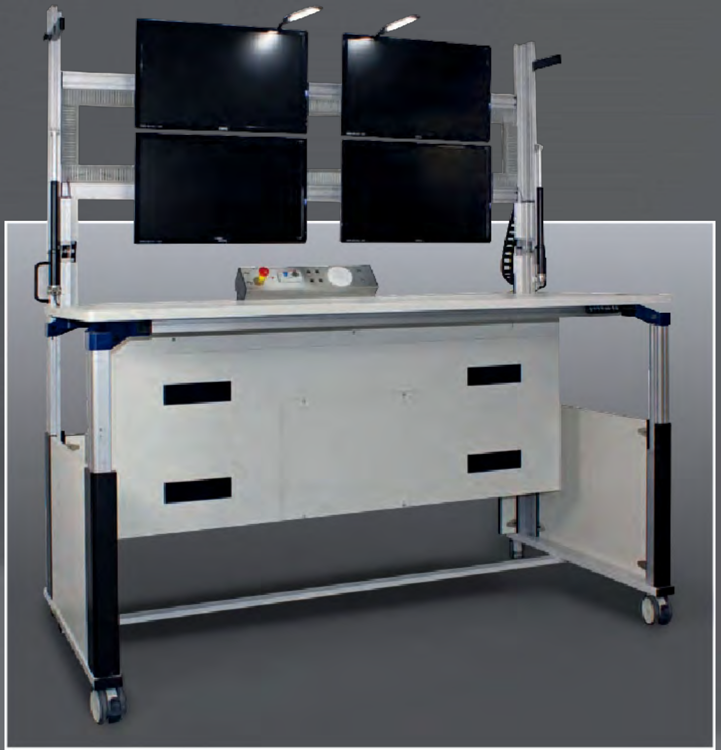


Fig. 3: Control station fully extended.

1. The cockpit

The device cockpit is characterized by its top and aluminum profiles attached at the bottom light and extremely flexible for the attachment of system components.

2. The lighting

Indication light and workplace lighting with high-performance RGB LEDs - optionally with BT (Blue tooth) and HCL function (Human Centric Lighting). The task lighting offers optimum illumination and, with the BT/HCL function, light adaptation to the human biorhythm.
The indication light shows the table statuses.

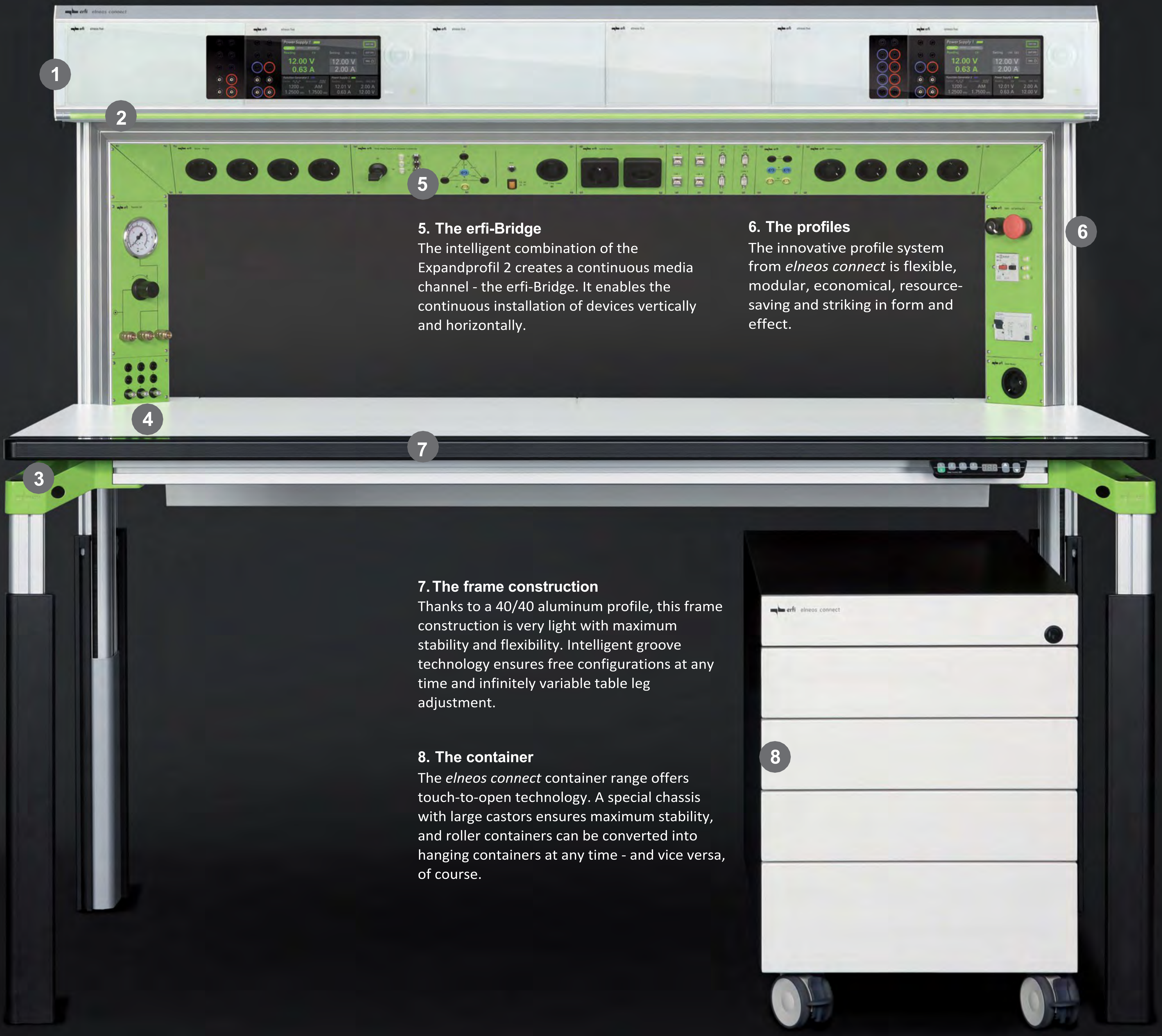
Flexible and safety

3. The connector

The central design and connector element of the furniture system is a decisive advantage for media guidance on the inside of the table. The Connector connects the table leg and frame construction, thereby guiding media of all kinds.

4. The Techkante alu-line

A newly developed, compact aluminum core with a highly robust plastic coating completely new functions. Two grooves accessible from below enable the perfect attachment of vices and a catching groove prevents small parts from falling.



5. The erfi-Bridge

The intelligent combination of the Expandprofil 2 creates a continuous media channel - the erfi-Bridge. It enables the continuous installation of devices vertically and horizontally.

6. The profiles

The innovative profile system from *elneos connect* is flexible, modular, economical, resource-saving and striking in form and effect.

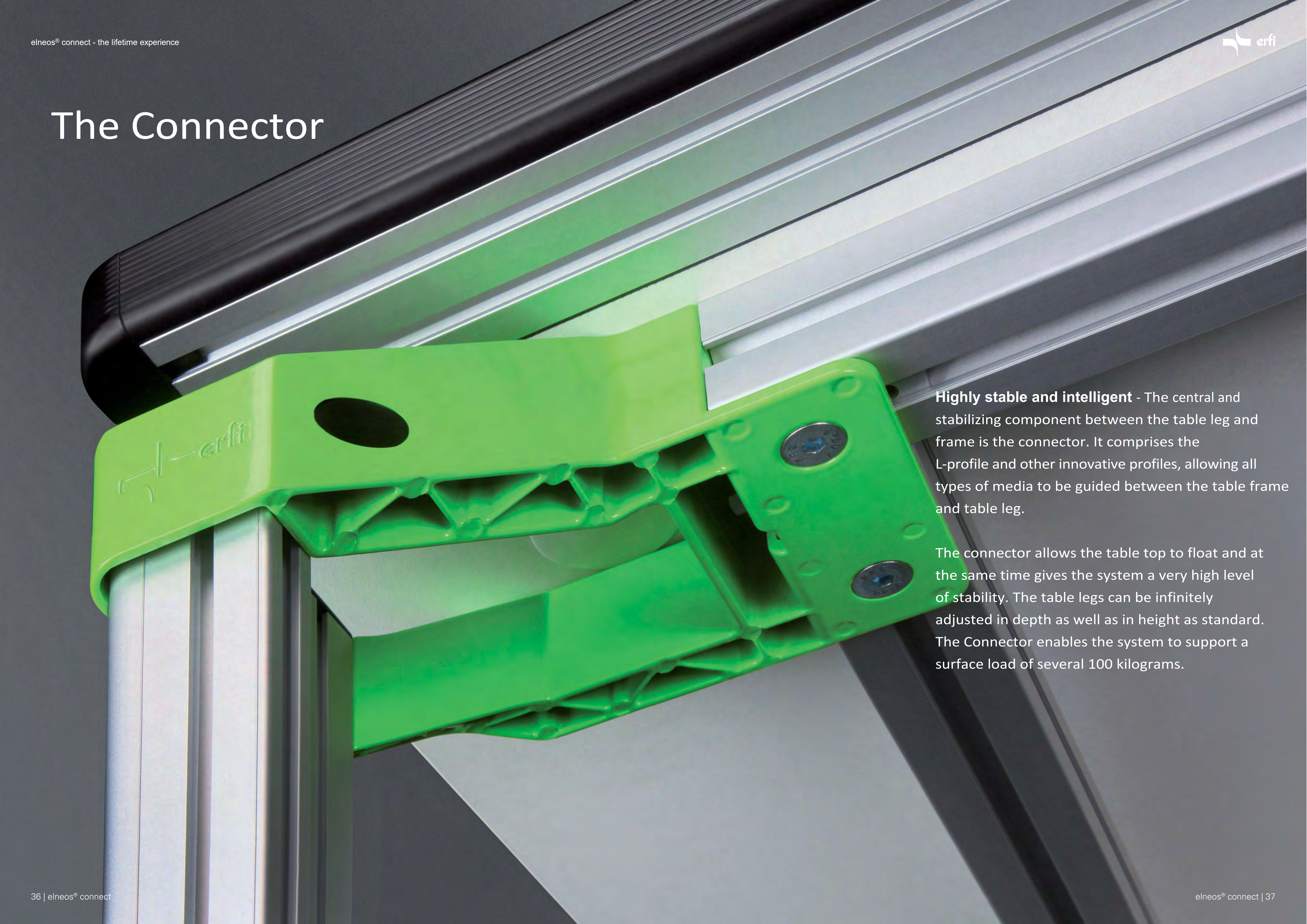
7. The frame construction

Thanks to a 40/40 aluminum profile, this frame construction is very light with maximum stability and flexibility. Intelligent groove technology ensures free configurations at any time and infinitely variable table leg adjustment.

8. The container

The *elneos connect* container range offers touch-to-open technology. A special chassis with large castors ensures maximum stability, and roller containers can be converted into hanging containers at any time - and vice versa, of course.

The Connector



Highly stable and intelligent - The central and stabilizing component between the table leg and frame is the connector. It comprises the L-profile and other innovative profiles, allowing all types of media to be guided between the table frame and table leg.

The connector allows the table top to float and at the same time gives the system a very high level of stability. The table legs can be infinitely adjusted in depth as well as in height as standard. The Connector enables the system to support a surface load of several 100 kilograms.

The connector

Stable centerpiece for continuous media routing

The connector is the central, static component of the *elneos connect* laboratory furniture series. It transfers the high forces via the aluminum table legs and is the connecting element between the table leg and the table frame of the

floor to all system components. All types of media can be routed continuously through various additional profiles on the inside. The media in the clip profiles (expansion profiles), with a rotating function for opening, are also guided through the connector without interruption.

Stepless depth adjustment of the table legs

In combination with the aluminum base, the Connector allows all table legs to be moved continuously to any depth position. This means that more people can be comfortably seated at a work table.

Convertible table leg combinations

The table legs can be adjusted to the exact size required thanks to the infinitely variable adjustment. It is possible to design 4-leg, C-leg and T-leg tables in a versatile way. From a C-leg table

can easily become a T-leg or a 4-leg table and vice versa.

Floating table top

The curved shape of the Connector makes the table top appear to float above the table legs. The free edge of the table offers a significant advantage, as it provides space for collecting trays, tool trays and the media guide. In addition, the aluminum frame underneath is set back and components are not in the way.

Individual height adjustment of the work surface

The Connector increases ergonomics, as it enables an individualized working height thanks to the infinitely variable vertical adjustment of the L-profile.

The colors of the Connector

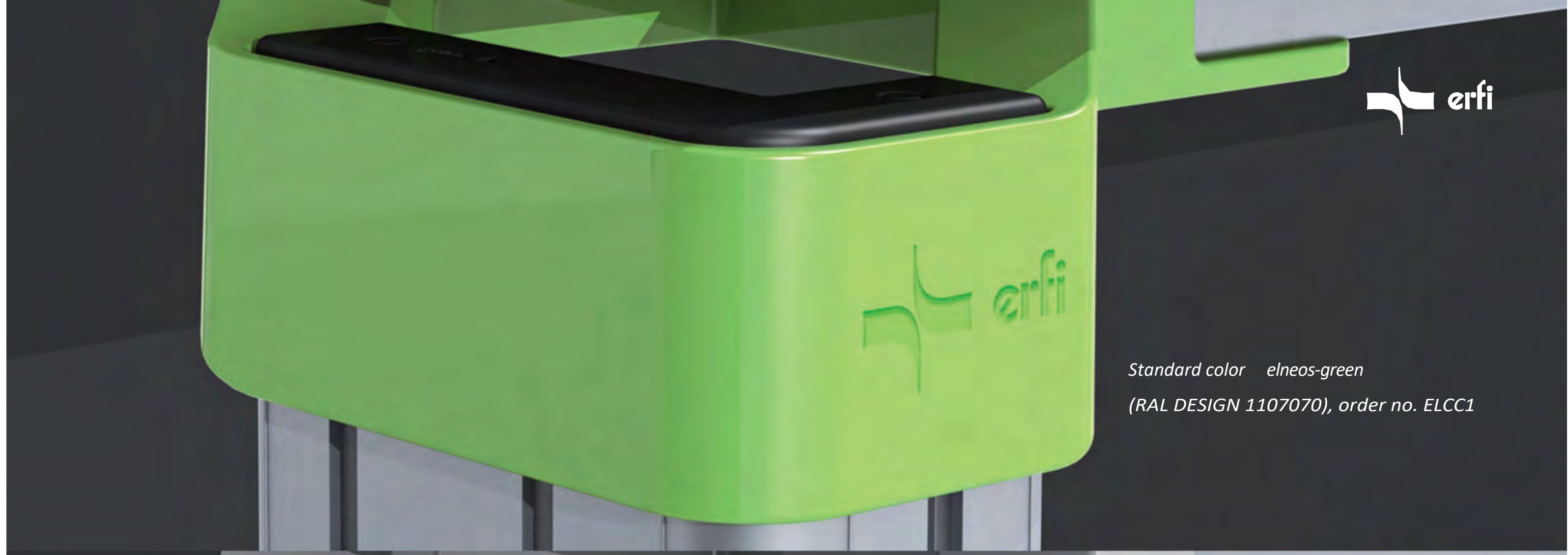
Color surfaces of the connectors with new color indicators
elneos connect also sets new standards in terms of color. The color indication is taken over by the connectors. The innovative connectors are powder-coated as standard in a fresh and modern shade of green in accordance with the RAL DESIGN system (no. 1107070).

Holistic color indication: green - white - black - chrome Not only the *elneos connect* furniture system is given a modern look by the color indication. The *elneos five* appliance system and the
The new *elneos six* impresses with a consistent, user-friendly , which kept in the fresh color indication in many areas.

The color scheme and the fine color coordination between the laboratory furniture and appliance system played an important role in the development. Due to the simultaneous development of both systems, the color scheme was coordinated with each other. The color-indexed surfaces of the Connector lend each piece of furniture its individual character without obtrusive. The anodized extruded aluminium profiles of *elneos connect* complement the restrained character of the overall system.

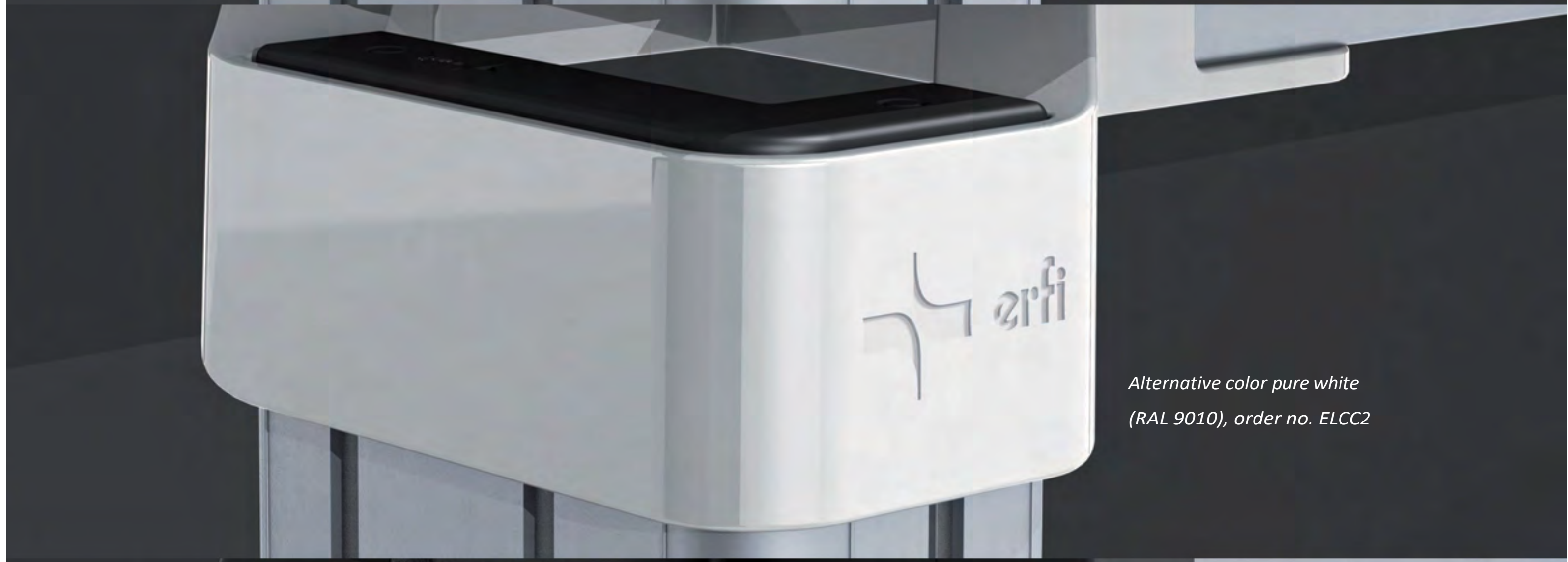
The available colors pure white (RAL no. 9010) and graphite black (RAL no. 9011) can also be found in the device area, so that for each color
a perfect unit. A high-gloss chrome-plated version is available for the communicative office/business sector.

Desired colors
On request, the connectors can be supplied in corporate colors so that an individual appearance can be maintained.



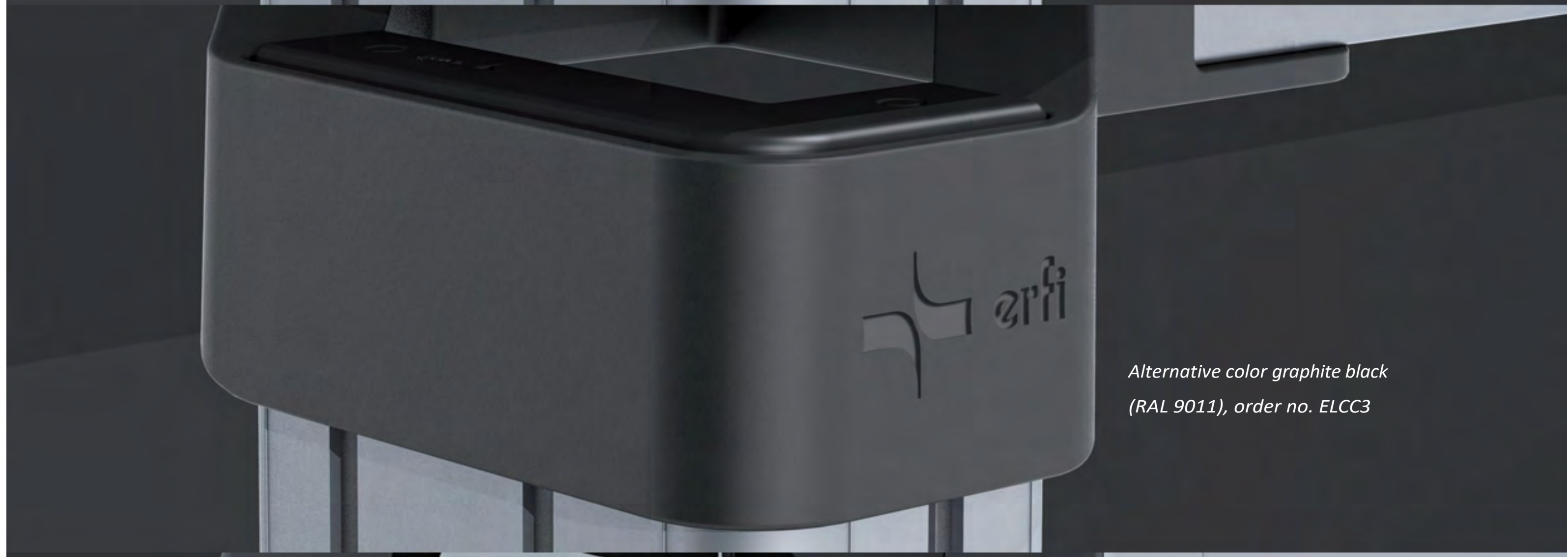
Standard color elneos-green

(RAL DESIGN 1107070), order no. ELCC1



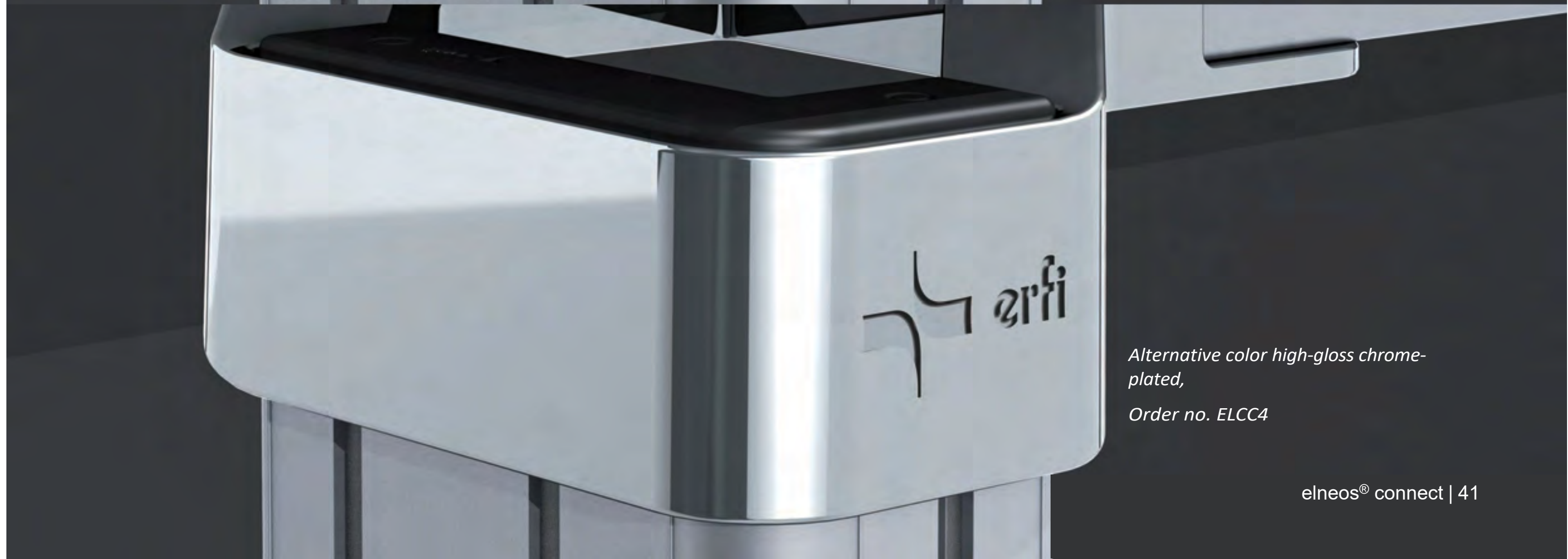
Alternative color pure white

(RAL 9010), order no. ELCC2



Alternative color graphite black

(RAL 9011), order no. ELCC3

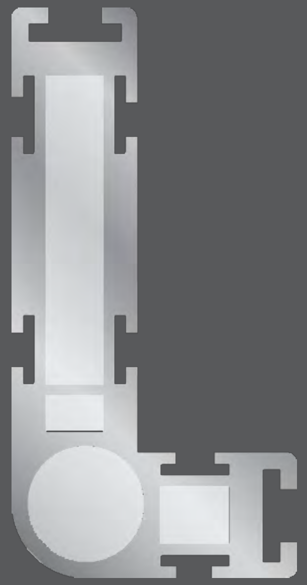


Alternative color high-gloss chrome-plated,

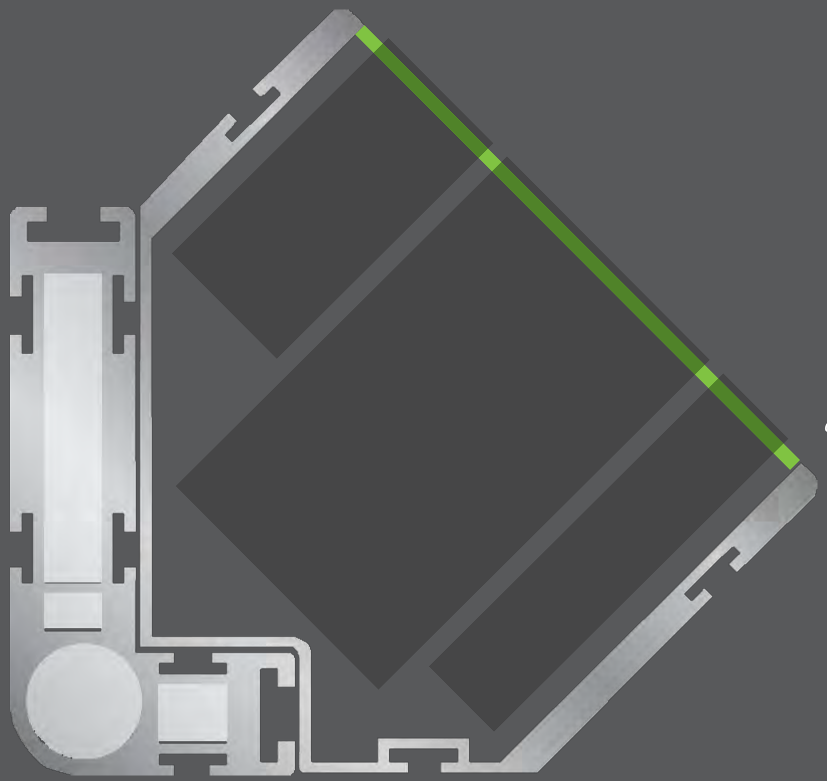
Order no. ELCC4

The profiles

Lightweight and functional - The *elneos connect* furniture series offers completely new combination options with its sophisticated profile system. The basis of the profile system is the L-profile. This basic profile is supplemented with other profile shapes, the expansion profiles and the telescopic profile for table height adjustment, giving *elneos connect* absolute flexibility and freedom.

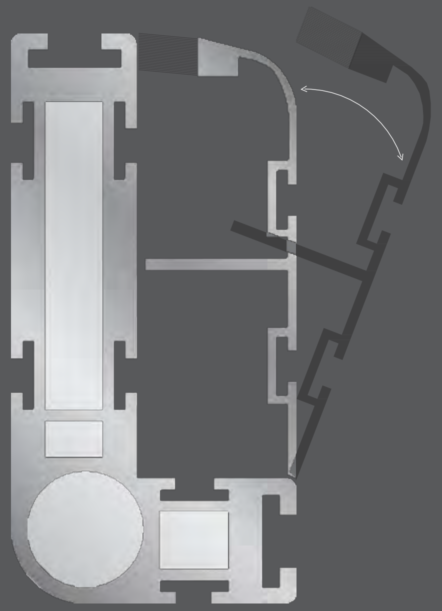


L-profile

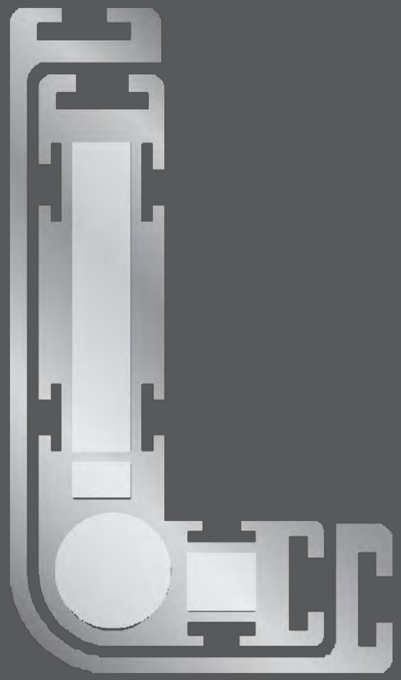


acto device system

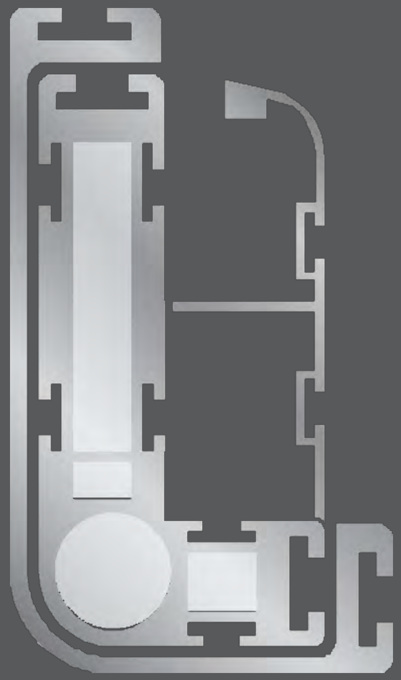
L-profile with expand profile 2 front panel and device series acto.



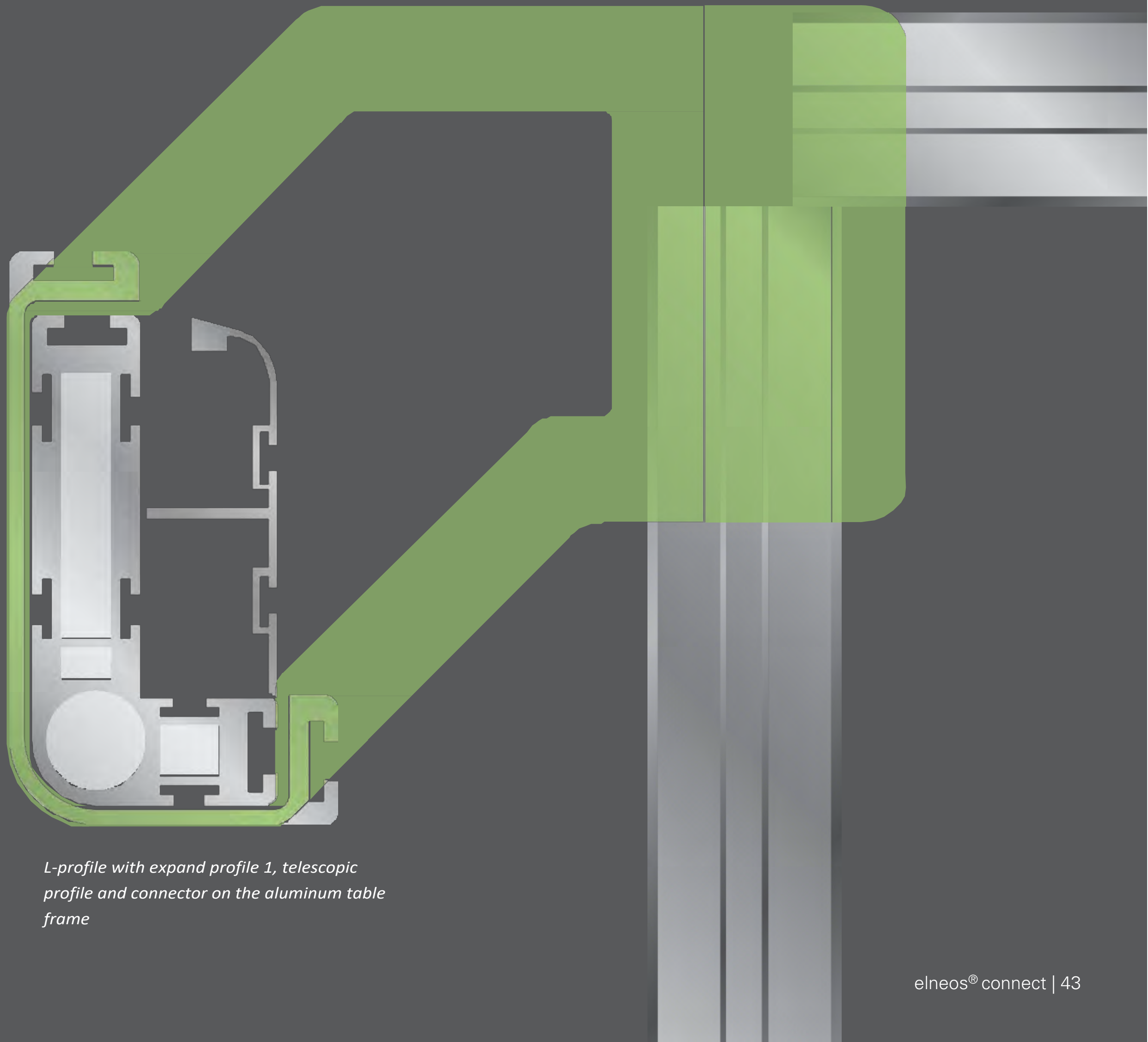
L-profile with fold-out expansion profile 1



L-profile with telescopic profile



L-profile with fold-out expansion profile 1 and telescopic profile



L-profile with expand profile 1, telescopic profile and connector on the aluminum table frame

The L- profile

An L-shaped aluminum profile base serves as the basis for the entire profile system. Due to its shape, this profile has two legs which in turn can accommodate different profiles. All the so-called expansion profiles and the telescopic profile are precisely matched for mounting on the inside and outside of the L-profile and give the profile system numerous expansion options.

Long leg

The long leg has two cable chambers through both of which data and mains cables as well as compressed air lines can be routed. A round chamber is also used to accommodate hydraulic cylinders for height-adjustable tables. The long leg can also accommodate a foot height adjuster to compensate for uneven floors, as well as an additional hollow chamber to accommodate pins to extend the profile.

The leg has five T-slots, one of which is located on the face of the L-profile. Two grooves are located on the outside and inside of the profile and allow other profile system components to be connected. A clip groove on the inside is used to engage a pivoting aluminum channel.
This aluminum channel is shaped so that it is flush with the overall shape of the L.

Short leg

The short leg has a T-slot on all three open sides and a pin can be inserted through the internal hollow chamber to extend the profile.

The expansion profile 1

One of the many possible additions to the L-profile with *elneos connect*
This profile is clipped onto the inside and can be swung open at any time using an intelligent rotating hinge. It is an aluminum profile for further accommodation of cables and small electrical devices such as data sockets or compressed air couplings. The profile also has two T-slots on the inside, which in turn any system components to be accommodated.
Socket strips can be easily mounted on the inside.

Useful addition to the L-profile

If the expansion profile and the L-profile are closed, the inner complexity of the entire base is not visible. The expanding profile 1 can be easily opened and closed again and again using an additional rotating profile that acts as a hinge. When closed, it forms a closed space together with the L-profile and its structure provides two additional chambers. The front chamber has a brush strip on the front so that measuring cables, data cables or mains cables can be elegantly fed to the user at the front without pinch points. An integrated divider inside the profile ensures that the chambers guarantee safe separation of different media.

Ingenious flexibility

1. Uninterrupted media routing on the inside of the table.
2. The connector allows this expansion profile to be opened.
3. The expansion profile can be fitted continuously or separately.

The expansion profile 2

Vertical

As an alternative to the expansion profile 1, a larger profile on the inside of the This profile is used to integrate electronic devices with a greater installation depth, such as safety and switching units, sockets or generators. The profile can attached to the L-profile on one or both sides. Its vertical use means that horizontal superstructures or cockpits can partially dispensed with. The profile is large enough to accommodate deeper components such as 3-phase automatic circuit breakers or motor circuit breakers. The components are therefore always accessible and do not have to be installed in cable trays.

Vertical use

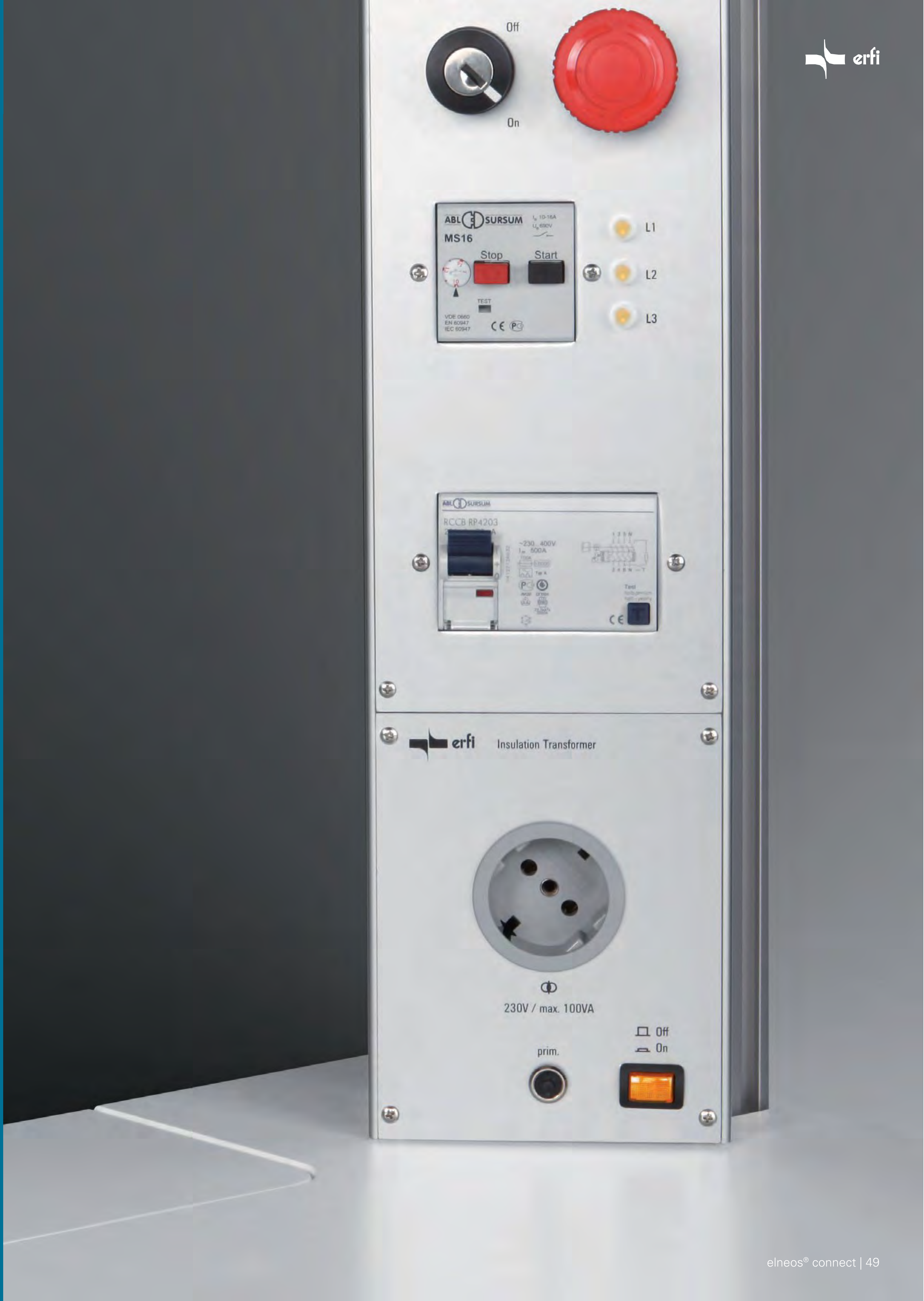
The profile has 6 T-slots, four of which face outwards and two inwards. The profile is open at the front and can accommodate devices from the *acto* series. The 45° mounting angle keeps the installed in an ergonomic position for the user. An integrated groove on the front forms the receptacle for a 19-inch threaded strip which the insert plates are screwed. The inner grooves are used to accommodate top-hat rails, sockets, plugs or electrical installation material.

Three rooms in one profile

Internal grooves allow several separating surfaces to be fitted, creating up to three separate spaces. These spaces carry media without crosstalk behavior and without affecting the overall installation depth.

Lateral connection of system components

The profile is designed in such a way that, seen from the front, it runs diagonally inwards on the outside. This shape opens up a free space on the outside of the profile at tabletop level, which enables the connection of swivel arms for monitors or swivel lights.



The expansion profile 2

Vertical and horizontal

The Expand profile 2 can be installed both vertically and horizontally or in combination as erfi-Bridge. In each variant, modular equipping with the *acto* device series is possible as well as cable and media routing the profile.

In the horizontal position, the expandable profile 2 serves either as a small table superstructure or, mounted between the L-profiles, as a small cockpit. By combining the Expand Profile 2 vertically and horizontally, a bridge can spanned across the table from left to right.
This bridge carries superstructures such as cockpits or storage boards.

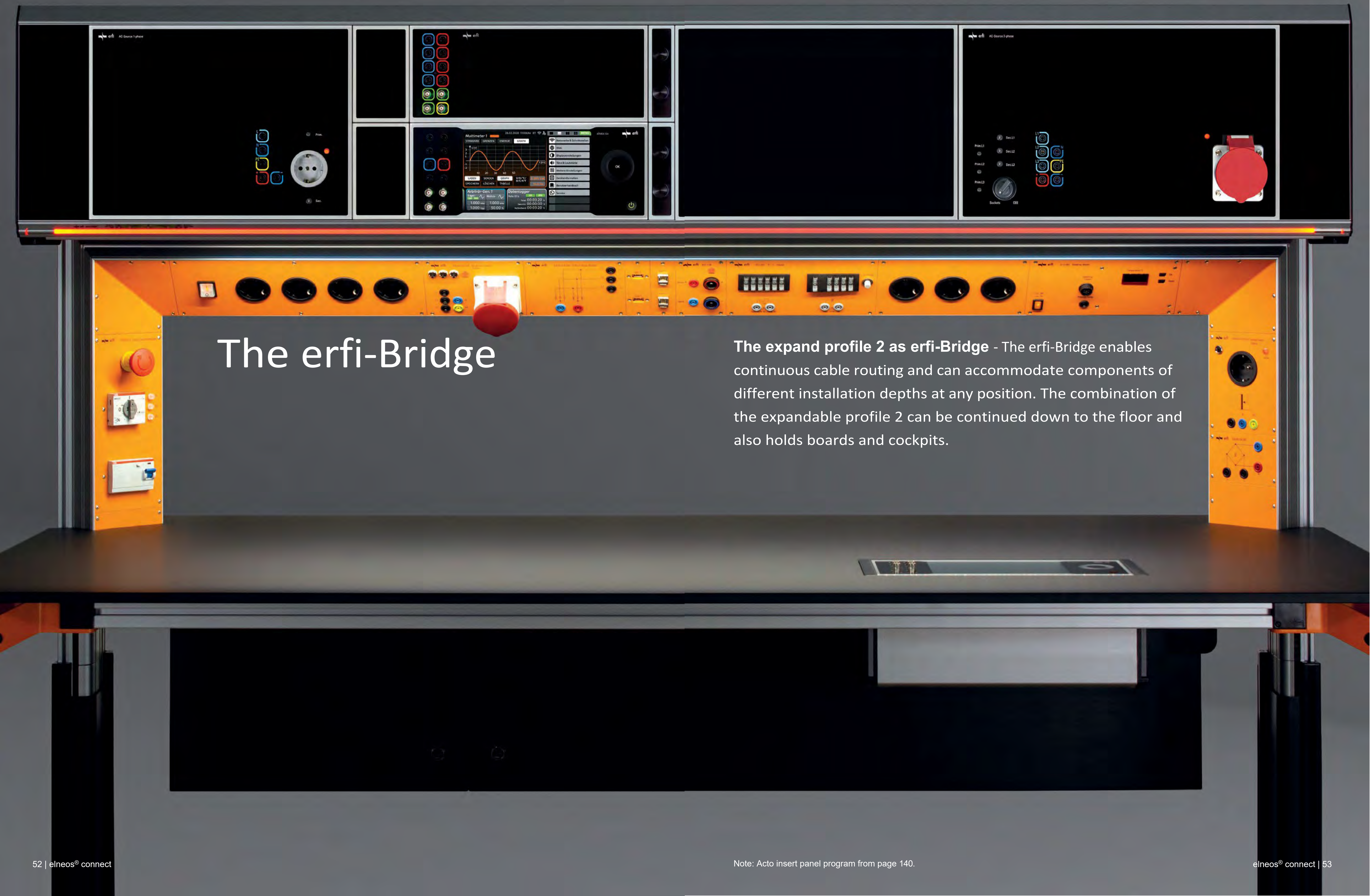
Intelligent slope in the horizontally installed state

Installed horizontally, the profile enables ergonomic integration of appliances at the front thanks to its 45° angle. Horizontally and vertically, the miter cut creates a new, coherent unit - the erfi-Bridge.

The experienced Bridge

1. enables continuous cable routing,
2. can be installed and retrofitted at any functional level,
3. can accommodate components in any position,
4. also accommodates deep components,
5. shields electromagnetic radiation on the inside,
6. can be set up as a standalone system,
7. can continue the vertical profile down to the floor,
8. offers various front panel colors (natural anodized as standard),
9. and also holds boards and cockpits.

erfi
Safety – and Switching Unit
Off
On
ABL SURSUM
MS16
Stop
Start
L1
L2
L3
RCCB RP4203
erfi
Socket Module



The erfi-Bridge

The expand profile 2 as erfi-Bridge - The erfi-Bridge enables continuous cable routing and can accommodate components of different installation depths at any position. The combination of the expandable profile 2 can be continued down to the floor and also holds boards and cockpits.

Note: Acto insert panel program from page 140.

The height adjustment

Height adjustment through the telescopic profile

The innovative telescopic profile with functional grooves additionally stabilizes the table if electromotive or mechanical height adjustment is required. A hydraulic cylinder is inserted into each L-profile and a total of four hydraulic cylinders lift the entire table construction.

The telescopic profile encloses the L-profile and forms a highly stable guide with it. When the hydraulic cylinders extend, the telescopic profiles remain on the ground, with the cylinders and cables invisible.

Stable height adjustment with additional function

The telescopic profile has a T-slot on each end face. This allows PC trays or other system components to be adapted.

Optional control unit

The electromotive height adjustment can be controlled from a tablet or smartphone via Bluetooth in conjunction with the erfi software. Various user settings can be stored in an app. Alternatively, the height adjustment can be controlled via the new *elneos six* device system.

Long stroke lengths with high lever loads

By using the telescopic profile, long stroke lengths can be moved with high lever loads, as the load is transferred from the lifting cylinder to the stable telescopic leg. Our experience with electromotive height-adjustable tables makes it possible to maneuver table loads of up to 600 kg.

The new telescopic profile with its form-fit ensures particular stability and at the same time enables the installation of new and innovative compact cylinders with a stroke length of 280 mm to 500 mm at a height of 1300 mm.

Lightweight, highly stable and ... Convertible

All-aluminum furniture
elneos connect is the all-aluminum furniture system in the electric laboratory table sector. Aluminum has been consistently used for almost all components, including the framemaking *elneos connect* lightweight. In addition to many additional functions, the use of aluminum results in a weight saving of over 30% compared to previous systems. This makes the system much easier to handle in new room situations.

Perfect docking station
The aluminum functional frame is made of a highly stable 40 x 40 mm aluminum profile, which has a T-slot on each side. This guarantees infinitely variable depth adjustment of the table legs. The side grooves allow other system elements, such as
e.g. suspended pedestals, PC trays or cable trays can be at any point.

The weight saving associated with the aluminum frame is particularly important during the assembly or relocation phases. a decisive advantage. The specially developed profile structure is also designed for heavy loads and offers very high stability.

Stepless adjustment
All frames can be used for stepless adaptation of all types of cable ducts and drawer containers. The curved shape of the connector creates a free space between the underside of the tabletop and the connector, which is useful for attaching cable ducts and drawer containers.
of brackets can be used.

The depth variability gained enables extreme legroom and high flexibility of the frame for other foot positions.

Intelligent connection technology
Thanks to newly developed connectors, longitudinal or transverse frames can be elegantly inserted. Longitudinal frames, for example, can also be easily moved in position to create additional space for cable ducts or other system components.

The new design is characterized in particular by its adaptability and changeability. With this flexibility, the *elneos con- nect* table frame is superior to any steel frame*.

---

* Alternatively, a circumferentially welded steel frame is available on request.

The ergo- line worktop

When developing the ergo-line worktop, particular emphasis was placed on ergonomics. The front corners of the work surface have been rounded and correspond to the radius of the connector underneath. The ergonomic curves prevent bumping and significantly reduce the risk of injury. At the same time, the table top is protected against impact by the radius at this point.

The edgeband on this worktop is applied by machine in one piece and is not interrupted. It is a thick edgeband with high impact resistance. This radius is achieved using specially equipped CNC milling centers with adapted edging units.

Laser edging technology for all decors

A new laser technology for edge fusing enables premium quality for all wooden elements. A durable and seamless joint is created for all decors. The fusion of edge and panel increases the thermal stability and moisture resistance of the components.
The color of the material layer is precisely matched to the decorative layer, creating a look that gives the impression of solid material. The laser edging technology makes the material layer particularly hard prevents the joint from rubbing out in everyday use - dirty joints are a thing of the past.

Rows of tables and individual tables

This radius is ideal not only for individual tables but also for rows of tables. The table top is unassailable and ensures a long service life for your laboratory equipment. The new front white decor gives the system a refined character and the appropriate elegance.

The Techkante alu- line

The new exposed load-bearing Tech-edge alu-line is equipped with two T-slots and a channel function. Vices and other components can thus be attached without twisting. The integrated ribbing on the front protects clothing from soiling

and a highly stable plastic coating protects the base body.

Ergonomic best performance

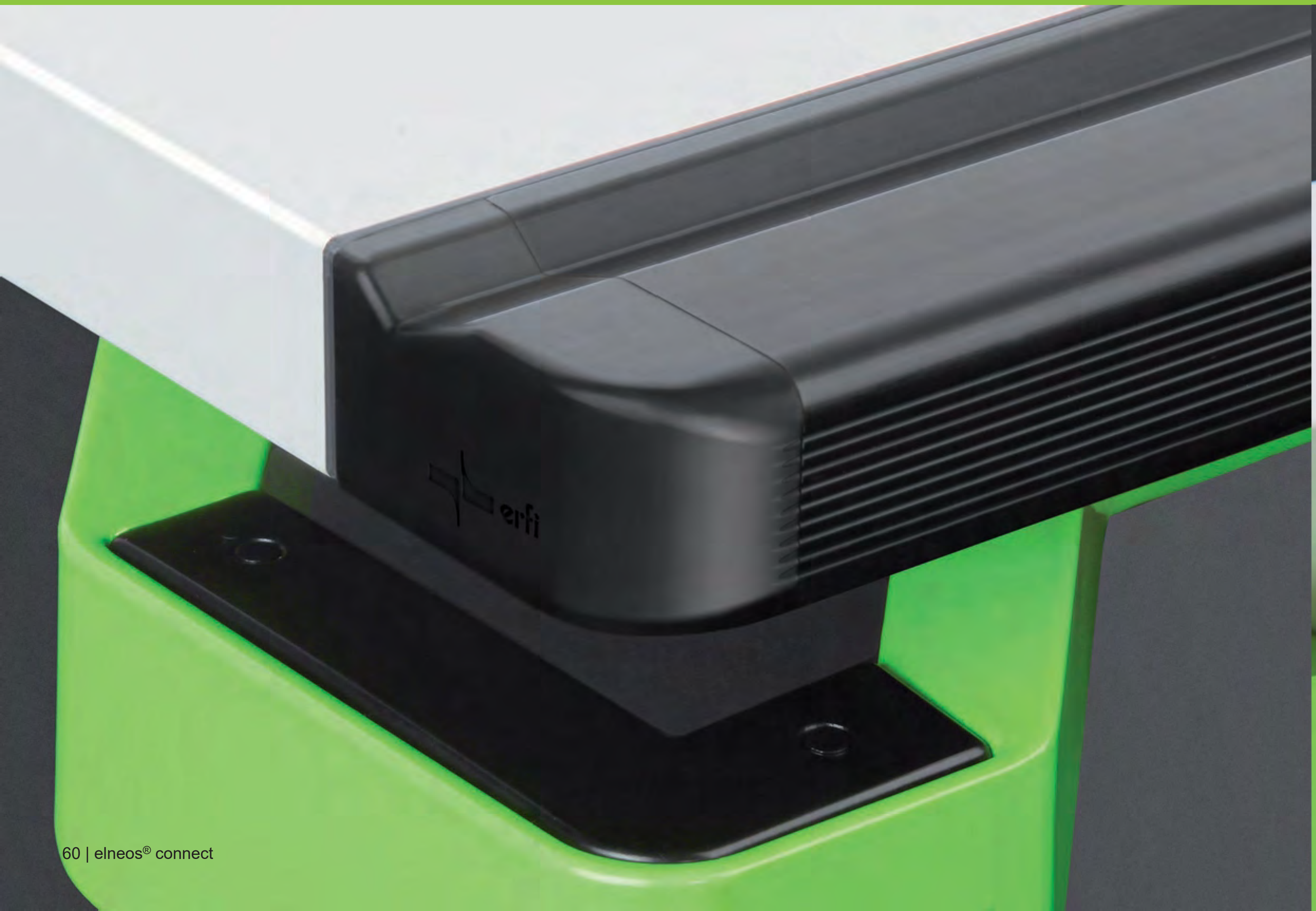
The newly developed cover caps have a rounding with a radius of 20 mm. This rounds off all table corners and is pleasant to the touch. The tight radius of 20 mm is also ideal for rows of tables and guarantees a longer service life for your furniture.

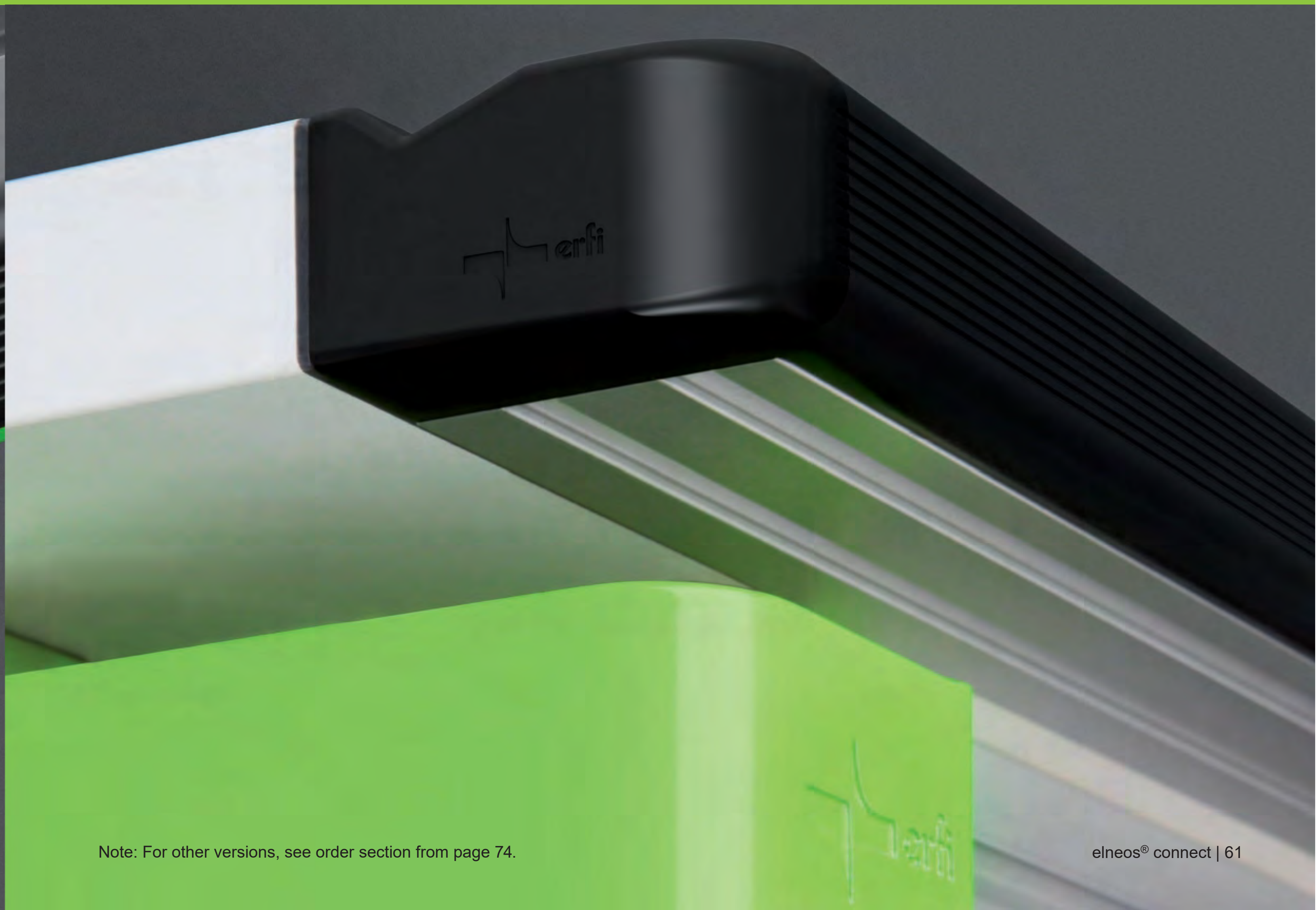
T-slots and channel function

The T-slots integrated on the underside used to connect system components such as storage trays or material chutes. The edge is also designed so that a vice can be attached without twisting and without damaging the table top. The edge profile has a slight indentation on the top so small items such as screws, tools or writing utensils cannot fall off.

ESD version

The plastic coating of the tech edge is also available in an ESD version for the conductive laboratory benches. An additionally developed tool guarantees perfect flow behavior during the manufacturing process.





Note: For other versions, see order section from page 74.

Table top and cockpit

Device holder with invisible lighting concept

The *elneos connect* laboratory furniture system offers table-top mounting systems for 19-inch devices and free-standing device cockpits above the table surface.

The modules are characterized by extensive new functions such as aluminum profiles, impact protection, a swiveling and adaptive lighting concept that is invisible from the outside, Bluetooth in conjunction with HCL function and an integrated indication light.

19-inch device systems elneos® six, highlab® and basic

The compact design of *elneos six* enables a significantly reduced installation depth and is compatible with other standard-compliant 19-inch device systems. The 19-inch device series *highlab* and *basic* seamlessly alongside the capacitively controlled device series *elneos six*, whose user interface has been color-coordinated.

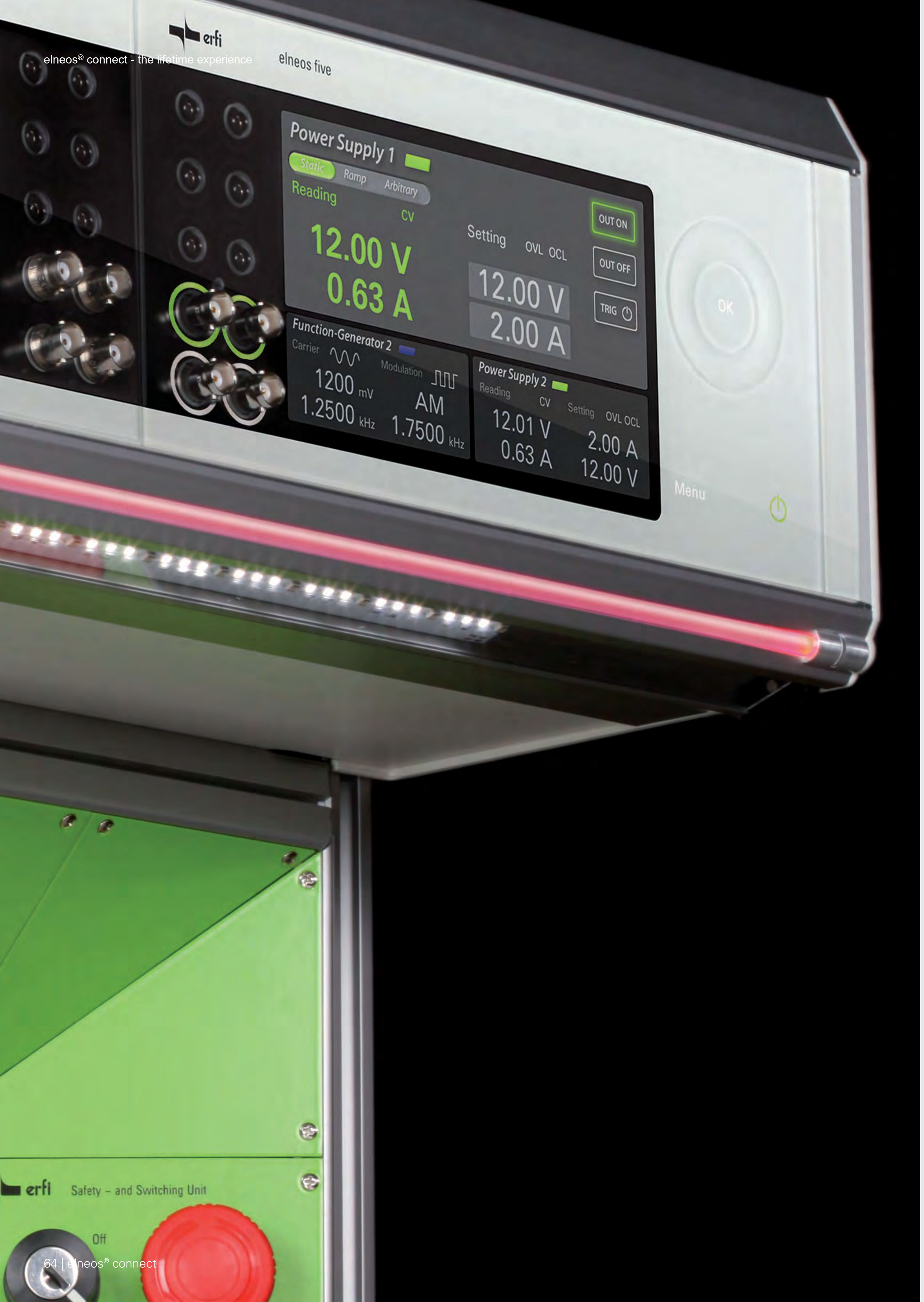
Profiles make assembly easier

The table structure and the cockpit have aluminum functional profiles on the upper and lower sides of the device mount, which form the mounting mechanism for the 19-inch slide-in units. The new *elneos six* equipment system is the perfect complement to the *elneos connect* furniture series. No changes need to made when retrofitting with additional slide-in units.

Wood or solid aluminum

Both components, table superstructures and cockpits, are available in wood laminate and alternatively in solid aluminum.

erfi
elneos five
Power Supply 1
Reading
CV
Setting
12.00 V
0.63 A
12.00 V
2.00 A
OUT ON
OUT OFF
Function-Generator 2
1200 mV
AM
1.2500 kHz
1.7500 kHz
Power Supply 2
12.01 V
0.63 A
2.00 A
12.00 V


erfi
elneos five
Power Supply 1
Static
Ramp
Arbitrary
Reading
CV
12.00 V
0.63 A
Setting
OVL OCL
12.00 V
2.00 A
OUT ON
OUT OFF
TRIG
OK
Function-Generator 2
Carrier
Modulation
1200 mV
1.2500 kHz
AM
1.7500 kHz
Power Supply 2
Reading
CV
Setting
OVL OCL
12.01 V
0.63 A
2.00 A
12.00 V
Menu
erfi
Safety - and Switching Unit
Off

The cockpit profiles

Thanks to their versatile design, the profiles below the cockpit can components, data cables and table lighting.

Upper profile

The upper profile is used for extensive network, data and measuring cables. This allows cables and media to be routed between two adjacent tables on this level inside the profile. The of adjacent cockpits can thus be easily realized via this cable compartment without cables on the rear of the cockpit restricting the user. The upper profile also has an elevation on the top side, which provides slip protection for cockpits and boards and also serves as impact protection.

Integrated T-slots

An integrated T-slot it possible to dock system components onto the cockpit cover plates. This means that brackets and dividers can adapted horizontally at any point via a slot nut, for example for use as bookends. The aluminum profile on the underside also has T-slots for further connection options for system components such as storage trays, device platforms or swivel arms.

Indication light and lower profile

The special profiles for the indication light are below the cockpit. The front, table-wide indication light uses an RGB light strip to provide information about the status of your laboratory table at all times.
The swivel-mounted RGB LED work light is invisibly integrated into the lower profile and provides intelligent workplace illumination for glare-free, reflection-free and shadow-free working. The luminaire can mounted on any shelf with the Toplight aluminum profile and retrofitted with the swivel insert.

erfi elneos connect
erfi elneos five
erfi elneos five
Power Supply
Static
Ramp
Reading
12.00
0.63
Function-Generator
Carrier
1200 mV
1.2500 kHz
erfi Socket - Module
erfi Pneumatic Unit

The lighting concept

The latest LED technology was used in the in-house development of the *elneos connect* lighting. The indication light and an invisible and swivel-mounted RGB LED workstation illumination are integrated into a round groove at the front of the cockpit's lower Toplight profile.

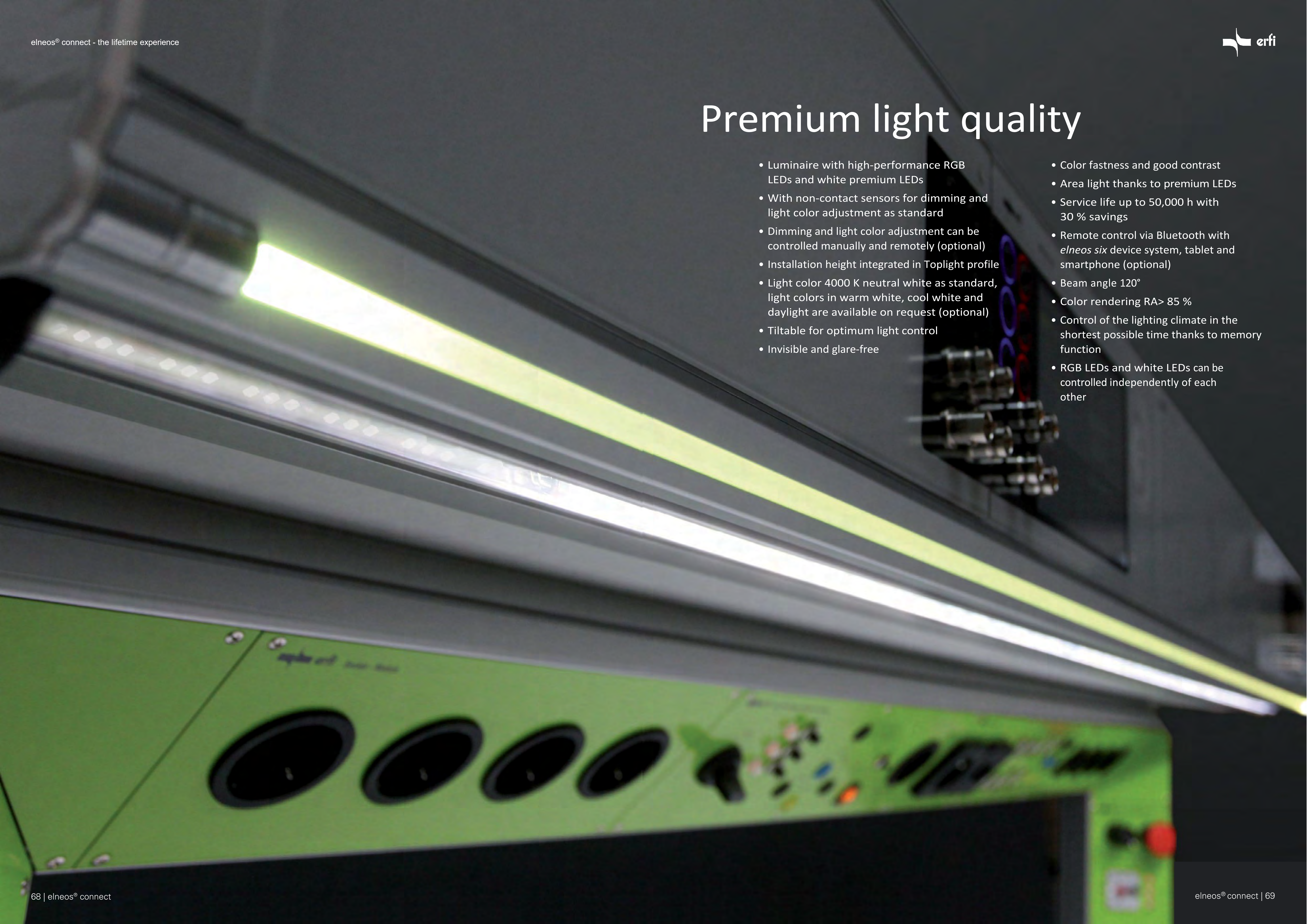
Indication light

The indication light is an intelligent light strip that can visualize the table status and optionally the measured values from the *elneos® six* device system in real time.

Intelligent electronics with state-of-the-art microprocessor control can visualize the actual value and limit values simultaneously as a light segment.
An innovation from erfi that raises the benchmark in terms of safety to a new level.

Workplace lighting

The swivel-mounted RGB LED work light invisible to the table in the lower profile. This light is controlled by powerful RGB LEDs as well as white high-performance LEDs. The light can be swivelled in its holder, it is dimmable and any light color can be set. The luminaire can mounted on any shelf with the Toplight aluminum profile and retrofitted with the swivel insert - so the workplace is always optimally illuminated. Another plus is the adjustment of the light color to the current daylight situation, as well as
the avoidance of shadows. The new luminaire can also be used as a single luminaire and is alternatively available with white LEDs only.



Premium light quality

- Luminaire with high-performance RGB LEDs and white premium LEDs
- With non-contact sensors for dimming and light color adjustment as standard
- Dimming and light color adjustment can be controlled manually and remotely (optional)
- Installation height integrated in Toplight profile
- Light color 4000 K neutral white as standard, light colors in warm white, cool white and daylight are available on request (optional)
- Tiltable for optimum light control
- Invisible and glare-free
- Color fastness and good contrast
- Area light thanks to premium LEDs
- Service life up to 50,000 h with 30 % savings
- Remote control via Bluetooth with *elneos six* device system, tablet and smartphone (optional)
- Beam angle 120°
- Color rendering RA> 85 %
- Control of the lighting climate in the shortest possible time thanks to memory function
- RGB LEDs and white LEDs can be controlled independently of each other

The container program

Handleless design - touch-to-open technology

The optional touch-to-open technology* opens the drawer automatically when light pressure is applied to the drawer front. An integrated tumbler prevents unintentional opening. Even if both hands are occupied, the drawers can be opened and closed elegantly with a light touch of the knee.

Design rollers with a large diameter

Due to their size (ø 75 mm), the castors have superior running properties with particularly high stability. The load capacity per castor is 100 kg when moving and up to 200 kg when stationary. The running noise is virtually silent and the wear is fantastically low.

Stable integrated chassis

A stable integrated chassis holds the maximum load on the castors. As a result, the castors cannot tear out and can withstand the loads in industry and education.

Maintenance-free drawer runners

The guideways have a very long service life thanks to the built-in automatic self-cleaning of the raceways.

erfi elneos connect

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* All containers are supplied with soft-close and bow handles as standard.

Order information

Base table type 1.1 74
Base table type 1.2 75
Base table type 1.3 76
Base table type 1.4 77
Base table type 1.4 with terminal....78
Table types Basic version 79
Basic 2 table types - electrically height-adjustable 80
Table types T-foot version....84
Table types C-foot version 85
Meeting table type 1.1 88
Meeting table type 1.2 89
Meeting table type 1.3 90
Acoustic elements connect....91
L-profile 92
Mobile table frames....94
Castor set and frame reinforcement 95
Height adjustment....97
Angle connections for room design 98
Storage shelves 101
Storage shelves for angle combinations....102
Functional profiles for shelves....104
LED workstation lights....107
Intelligent indication light....108
19-inch desk superstructures made of wood / laminate....111
19-inch aluminum table superstructures....113
19-inch cockpits made of wood / laminate....115
Allrounder multifunctional pull-out....117
19-inch aluminum cockpits....119
19-inch desk superstructures in basic design....120
19-inch cockpits in basic version....121
DIN A4 cockpits....123
Expansion profile 1....125
Expansion profile 2....126
Vertical expansion profile 2 129
Horizontal expansion profile 2....134
erfi-Bridge 136
Insert panel system acto....140
Soldering 163
Expansion profile 3....167
Container program....169

Base table type 1.1

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated
ELCC4

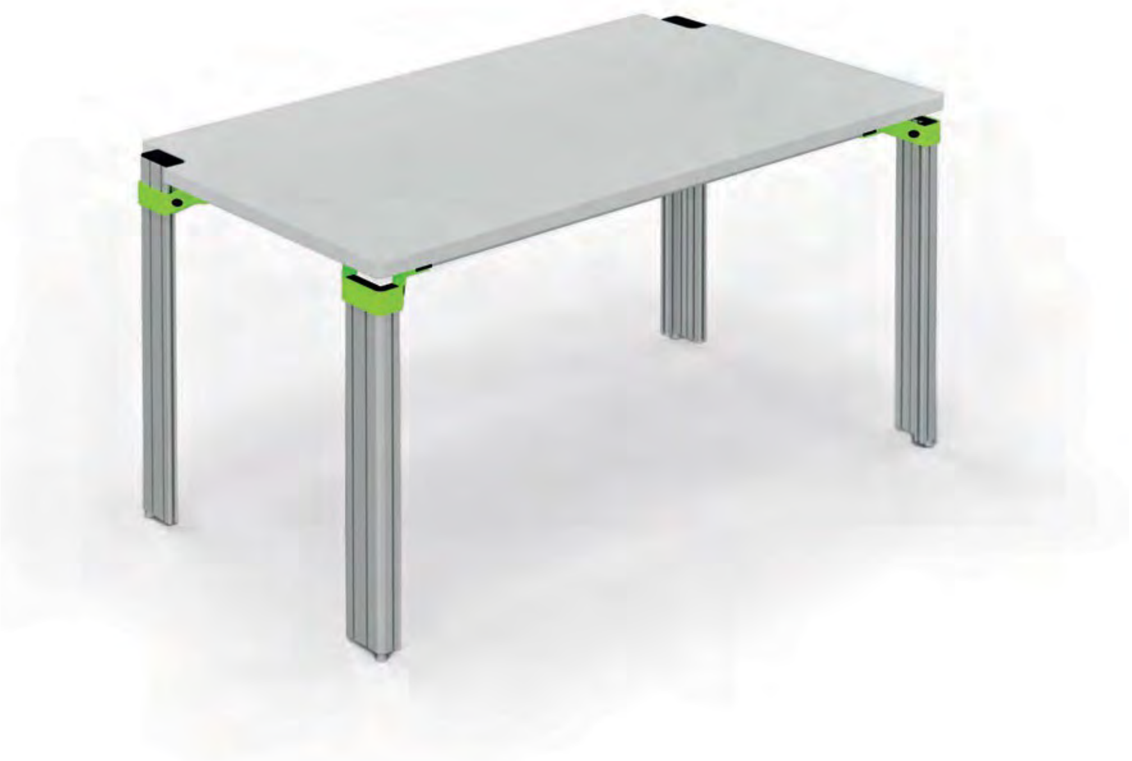


Table type 1.1 Basic table

Worktops: ergo-/alu-line: 30 mm HPL laminate chipboard; solid core: 12 mm melamine resin core board; multiplex: 30 mm oiled

Worktop decor: The decor can be selected in front white or multiplex. For a jointless connection, all decors (except solid core and multiplex) are manufactured with a laser edge.

Table frame: Sturdy aluminum table frame with all-round groove technology for connecting components and high weight savings. Alternatively as all-round fully welded steel frame.

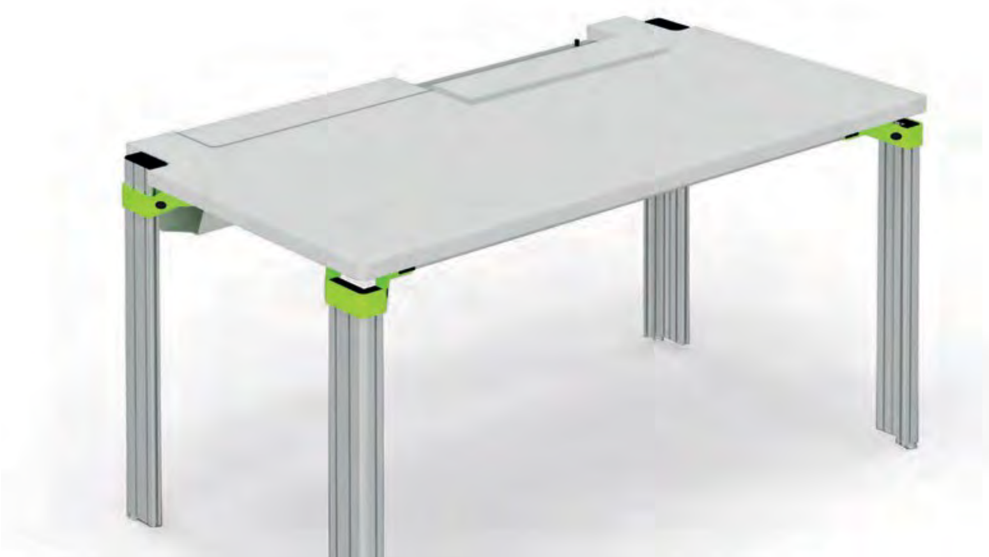
Connector: elneos green (RAL 1107070), pure white (RAL 9010), black (RAL 9011) or chrome-plated.

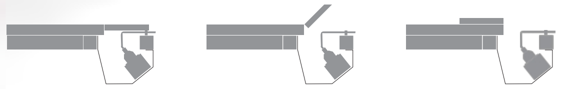
Aluminum profiles: Four aluminum profile legs, with two cable chambers for separate media routing, integrated clip groove technology for holding ex- pand profiles, 8 grooves for standard sliding blocks and a chamber for holding the electromotive height adjustment. Can be mounted at any point on the aluminum table frame and extended upwards as required.

Base table type 1.1

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Solid core	Mulitplex
1,200 mm	850 mm	ELC1.1.1281	ELC1.1.1282	ELC1.1.1283	ELC1.1.1284	ELC1.1.1287	ELC1.1.1288
	1000 mm	ELC1.1.1211	ELC1.1.1212	ELC1.1.1213	ELC1.1.1214	ELC1.1.1217	ELC1.1.1218
1,600 mm	850 mm	ELC1.1.1681	ELC1.1.1682	ELC1.1.1683	ELC1.1.1684	ELC1.1.1687	ELC1.1.1688
	1000 mm	ELC1.1.1611	ELC1.1.1612	ELC1.1.1613	ELC1.1.1614	ELC1.1.1617	ELC1.1.1618
1,800 mm	850 mm	ELC1.1.1881	ELC1.1.1882	ELC1.1.1883	ELC1.1.1884	ELC1.1.1887	ELC1.1.1888
	1000 mm	ELC1.1.1811	ELC1.1.1812	ELC1.1.1813	ELC1.1.1814	ELC1.1.1817	ELC1.1.1818
2,000 mm	850 mm	ELC1.1.2081	ELC1.1.2082	ELC1.1.2083	ELC1.1.2084	ELC1.1.2087	ELC1.1.2088
	1000 mm	ELC1.1.2011	ELC1.1.2012	ELC1.1.2013	ELC1.1.2014	ELC1.1.2017	ELC1.1.2018

Base table type 1.2

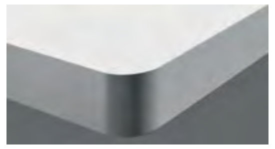




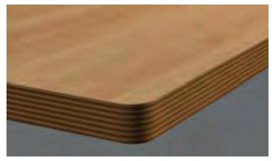
180º cable flap

Worktops:

alu-line (laser edge)



ergo-line (laser edge)



Multiplex

Solid
core

Table type 1.2 with 180° cable flap

Design as table type 1.1 but with additional cable flap and integrated cable tray with functional surface at the rear of the work surface.

Cable flap: 180° , split flap possible.

Cable tray: Can be flexibly mounted on the aluminum functional frame (150 mm usable depth), ergonomic functional surface for socket strip.

Work surfaces with conductive ESD design

All worktops are also available in an ESD version and in an elegant white front decor. With the alu-line worktop, the plastic coating of the aluminum profile is made of a high-quality conductive plastic. Conductive plastic has a different flow behavior in the production process. A special tool has also been developed to ensure that the conductive version also has a good shape with the table top.

Order no. for split cable flap: ELC1.2.GK

Basic table type 1.2 with 180° cable flap

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1,200 mm	850 mm	ELC1.2.1281	ELC1.2.1282	ELC1.2.1283	ELC1.2.1284	ELC1.2.1288
	1000 mm	ELC1.2.1211	ELC1.2.1212	ELC1.2.1213	ELC1.2.1214	ELC1.2.1218
1,600 mm	850 mm	ELC1.2.1681	ELC1.2.1682	ELC1.2.1683	ELC1.2.1684	ELC1.2.1688
	1000 mm	ELC1.2.1611	ELC1.2.1612	ELC1.2.1613	ELC1.2.1614	ELC1.2.1618
1,800 mm	850 mm	ELC1.2.1881	ELC1.2.1882	ELC1.2.1883	ELC1.2.1884	ELC1.2.1888
	1000 mm	ELC1.2.1811	ELC1.2.1812	ELC1.2.1813	ELC1.2.1814	ELC1.2.1818
2,000 mm	850 mm	ELC1.2.2081	ELC1.2.2082	ELC1.2.2083	ELC1.2.2084	ELC1.2.2088
	1000 mm	ELC1.2.2011	ELC1.2.2012	ELC1.2.2013	ELC1.2.2014	ELC1.2.2018

Base table type 1.3

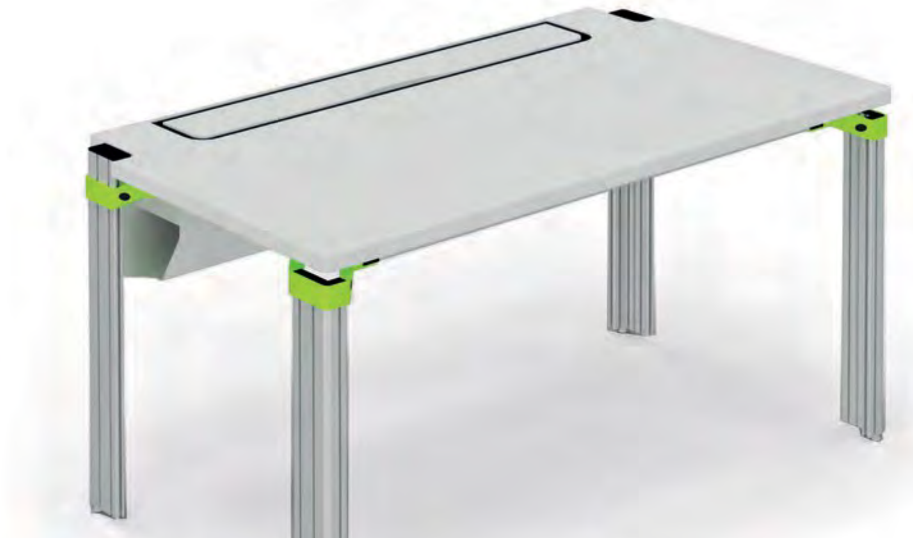
Connector color:

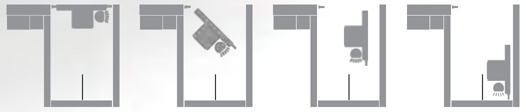
elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4





Lowerable cable flap

Table type 1.3 with lowerable cable flap Design as table type 1.1 but with a cable flap that can be lowered inwards and an integrated cable tray.

Cable tray: Flexible mounting; with a usable depth of 300 mm.

Cable flap: Can be lowered inwards, two brush strips and two opening positions, centered and fully open position.

Special features

- Easy opening and quick access thanks to One-Finger-Touch and Quick-Access
- Perfect sorting of the outgoing Media on the table surface through two brushes
- No protrusion of the cable flap during opening and closing
- Front brushes improve accessibility
- Rear brushes optimize the work surface
- Lateral cable outlet through lateral brushes

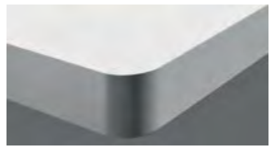
Basic table type 1.3 with lowerable cable flap

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1,200 mm	850 mm	ELC1.3.1281	ELC1.3.1282	ELC1.3.1283	ELC1.3.1284	ELC1.3.1288
	1000 mm	ELC1.3.1211	ELC1.3.1212	ELC1.3.1213	ELC1.3.1214	ELC1.3.1218
1,600 mm	850 mm	ELC1.3.1681	ELC1.3.1682	ELC1.3.1683	ELC1.3.1684	ELC1.3.1688
	1000 mm	ELC1.3.1611	ELC1.3.1612	ELC1.3.1613	ELC1.3.1614	ELC1.3.1618
1,800 mm	850 mm	ELC1.3.1881	ELC1.3.1882	ELC1.3.1883	ELC1.3.1884	ELC1.3.1888
	1000 mm	ELC1.3.1811	ELC1.3.1812	ELC1.3.1813	ELC1.3.1814	ELC1.3.1818
2,000 mm	850 mm	ELC1.3.2081	ELC1.3.2082	ELC1.3.2083	ELC1.3.2084	ELC1.3.2088
	1000 mm	ELC1.3.2011	ELC1.3.2012	ELC1.3.2013	ELC1.3.2014	ELC1.3.2018

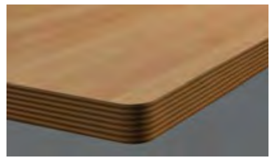
Base table type 1.4

Worktops:

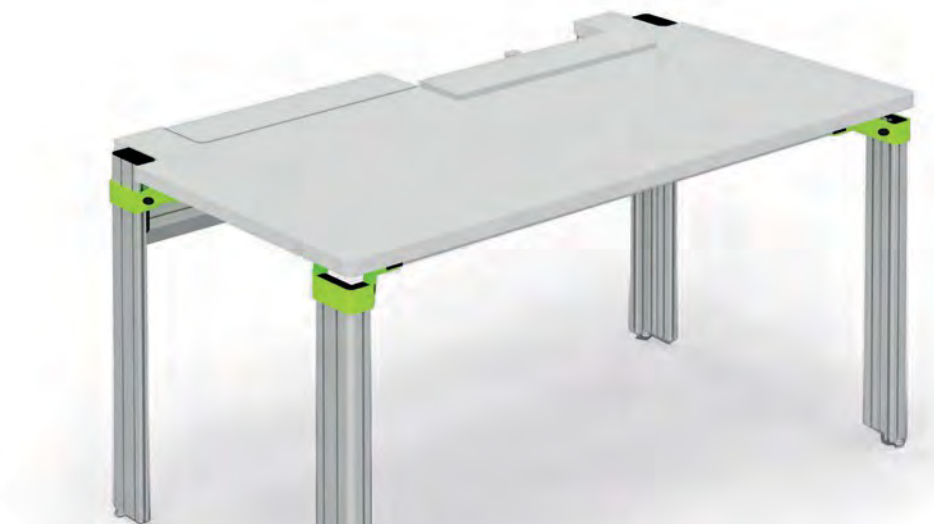
alu-line (laser edge)

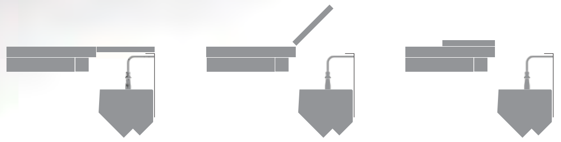


ergo-line (laser edge)



Multiplex



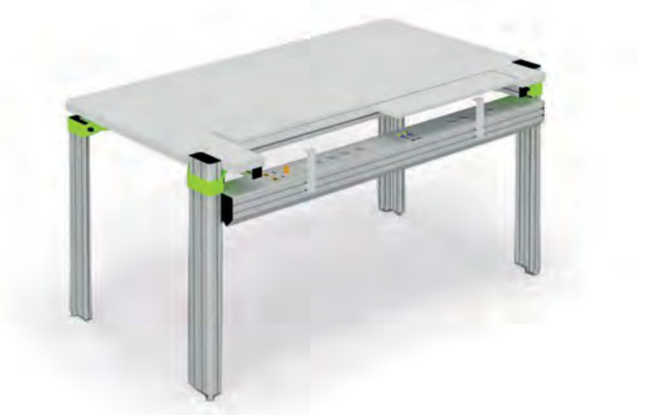


180º cable flap and supply terminal

Table type 1.4 with terminal and 180° cable flap
Version as table type 1.1 but with cable flap and integrated and lowered supply terminal for variable equipping with the intelligent Compact appliance program *acto*.

Cable flap: 180° , split flap possible.

Supply terminal: Can be flexibly mounted on the aluminum function frame for equipping with the *acto* device range.



Order no. for split cable flap: ELC1.2.GK

Basic table type 1.4 with recessed supply terminal and 180° cable flap

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1,200 mm	850 mm	ELC1.4.1281	ELC1.4.1282	ELC1.4.1283	ELC1.4.1284	ELC1.4.1288
	1000 mm	ELC1.4.1211	ELC1.4.1212	ELC1.4.1213	ELC1.4.1214	ELC1.4.1218
1,600 mm	850 mm	ELC1.4.1681	ELC1.4.1682	ELC1.4.1683	ELC1.4.1684	ELC1.4.1688
	1000 mm	ELC1.4.1611	ELC1.4.1612	ELC1.4.1613	ELC1.4.1614	ELC1.4.1618
1,800 mm	850 mm	ELC1.4.1881	ELC1.4.1882	ELC1.4.1883	ELC1.4.1884	ELC1.4.1888
	1000 mm	ELC1.4.1811	ELC1.4.1812	ELC1.4.1813	ELC1.4.1814	ELC1.4.1818
2,000 mm	850 mm	ELC1.4.2081	ELC1.4.2082	ELC1.4.2083	ELC1.4.2084	ELC1.4.2088
	1000 mm	ELC1.4.2011	ELC1.4.2012	ELC1.4.2013	ELC1.4.2014	ELC1.4.2018

Base table type 1.4 with terminal

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated
ELCC4

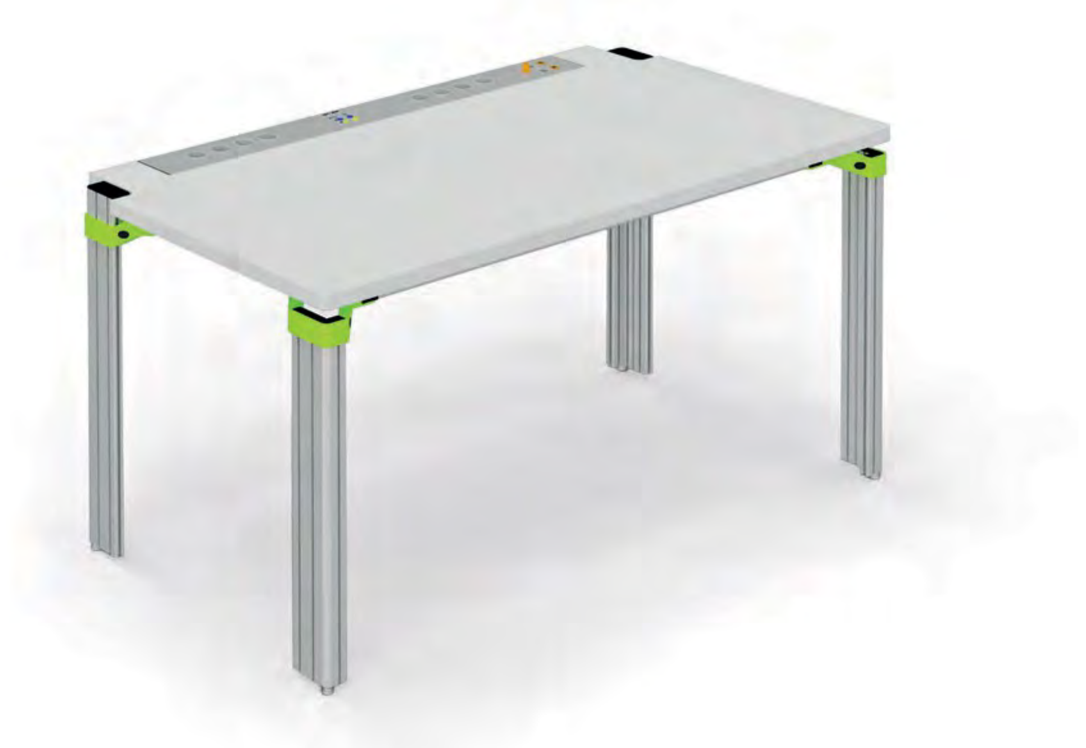
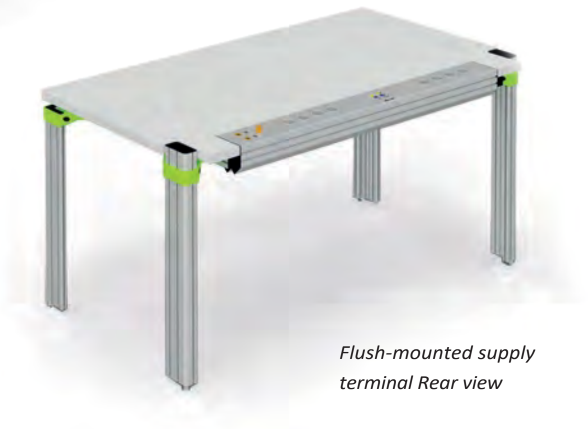


Table type 1.4 with flush-mounted terminal

Version as table type 1.1 but with additional supply terminal.

Supply terminal: Mounted flush with the tabletop on the aluminum functional frame for equipping with the *acto* range of appliances.

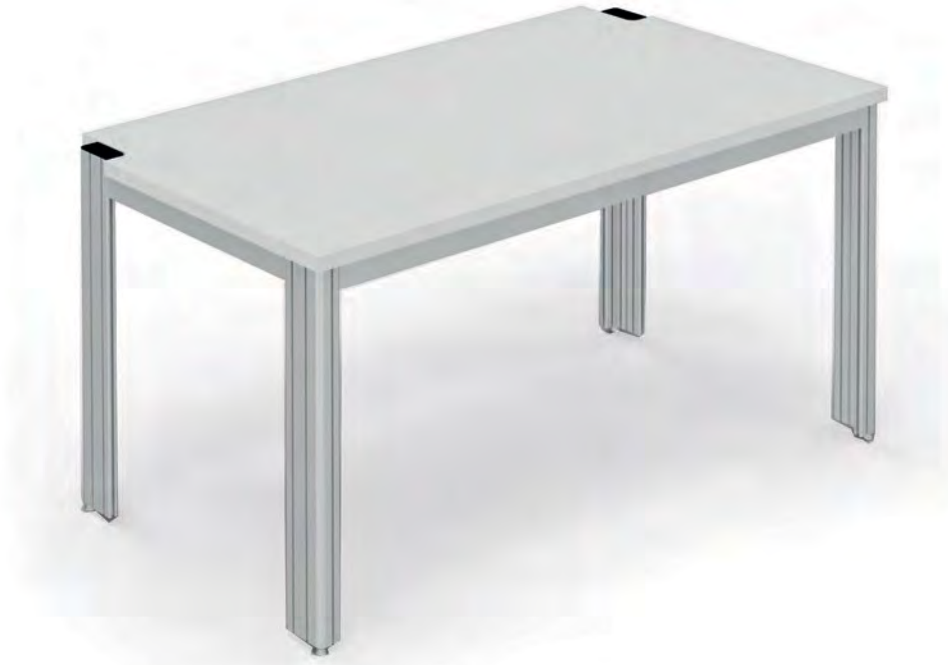


Flush-mounted supply terminal Rear view

Basic table type 1.4 with flush-mounted supply terminal

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Solid core	Mulitplex
1,200 mm	850 mm	ELC1.4.1281.2	ELC1.4.1282.2	ELC1.4.1283.2	ELC1.4.1284.2	ELC1.4.1287.2	ELC1.4.1288.2
	1000 mm	ELC1.4.1211.2	ELC1.4.1212.2	ELC1.4.1213.2	ELC1.4.1214.2	ELC1.4.1217.2	ELC1.4.1218.2
1,600 mm	850 mm	ELC1.4.1681.2	ELC1.4.1682.2	ELC1.4.1683.2	ELC1.4.1684.2	ELC1.4.1687.2	ELC1.4.1688.2
	1000 mm	ELC1.4.1611.2	ELC1.4.1612.2	ELC1.4.1613.2	ELC1.4.1614.2	ELC1.4.1617.2	ELC1.4.1618.2
1,800 mm	850 mm	ELC1.4.1881.2	ELC1.4.1882.2	ELC1.4.1883.2	ELC1.4.1884.2	ELC1.4.1887.2	ELC1.4.1888.2
	1000 mm	ELC1.4.1811.2	ELC1.4.1812.2	ELC1.4.1813.2	ELC1.4.1814.2	ELC1.4.1817.2	ELC1.4.1818.2
2,000 mm	850 mm	ELC1.4.2081.2	ELC1.4.2082.2	ELC1.4.2083.2	ELC1.4.2084.2	ELC1.4.2087.2	ELC1.4.2088.2
	1000 mm	ELC1.4.2011.2	ELC1.4.2012.2	ELC1.4.2013.2	ELC1.4.2014.2	ELC1.4.2017.2	ELC1.4.2018.2

Table types Basic version

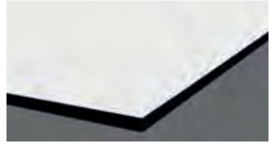


Worktops:

HPL laminate chipboard 90° corners (laser edge)

alu-line (laser edge)

Multiplex 90° corners



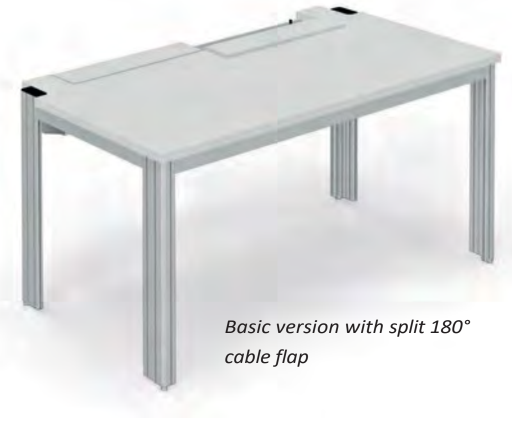
Solid core 90° corners

Table types in basic design

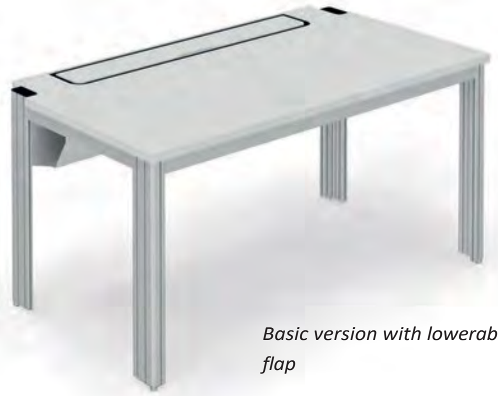
Table types 1.1 to 1.4, however, with 90° corners, all-round steel frame, completely welded (version B1) or optionally bolted (version B2), without connector, are also available as Basic versions.

Order note

Add the order number of the table series 1.1 to 1.4 with "**.B1**" or "**.B2**". For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: "**ELC1.1.1681.B1**". Adding "**.B1**" automatically converts an *elneos connect* table into a basic version with 90° corners and all-round welded steel frame without connector.



Basic version with split 180° cable flap



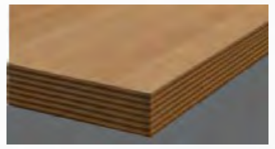
Basic version with lowerable cable flap

Basic 2 table types - electr. height-adjustable

Worktops:

HPL laminate chipboard 90° corners (laser edge)

alu-line (laser edge)



Multiplex 90° corners

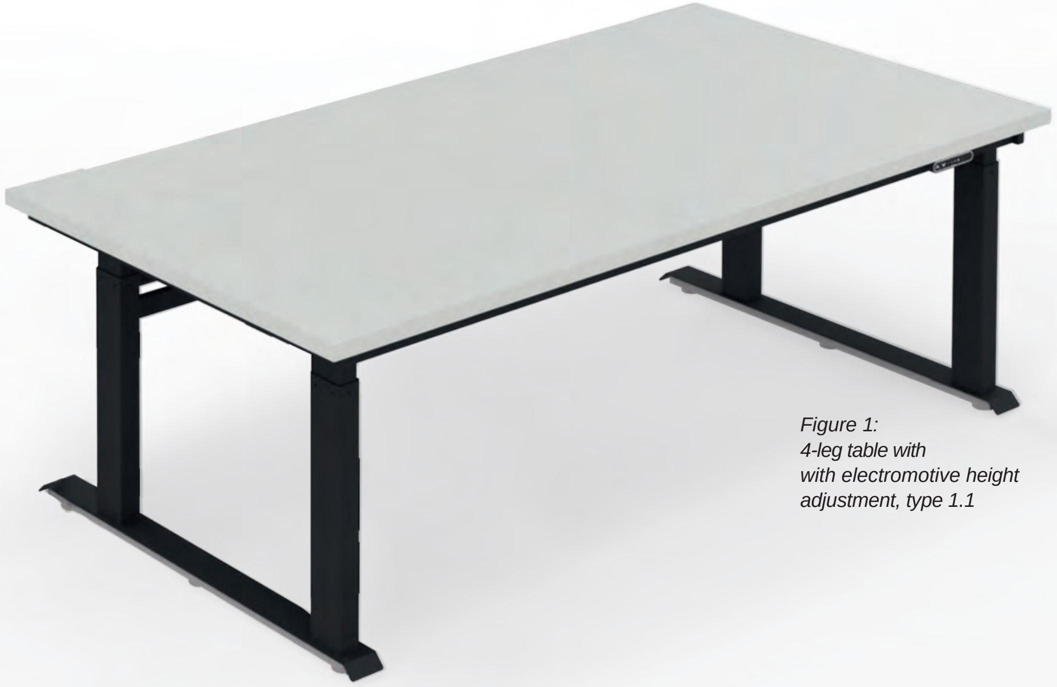


Figure 1:
4-leg table with
with electromotive height
adjustment, type 1.1

Technical product description:

4-leg table with lifting columns type 1.1 **Worktops:** 90° corners / alu-line: 30 mm HPL laminate chipboard (laser edge), front white; Multiplex: 30 mm oiled.

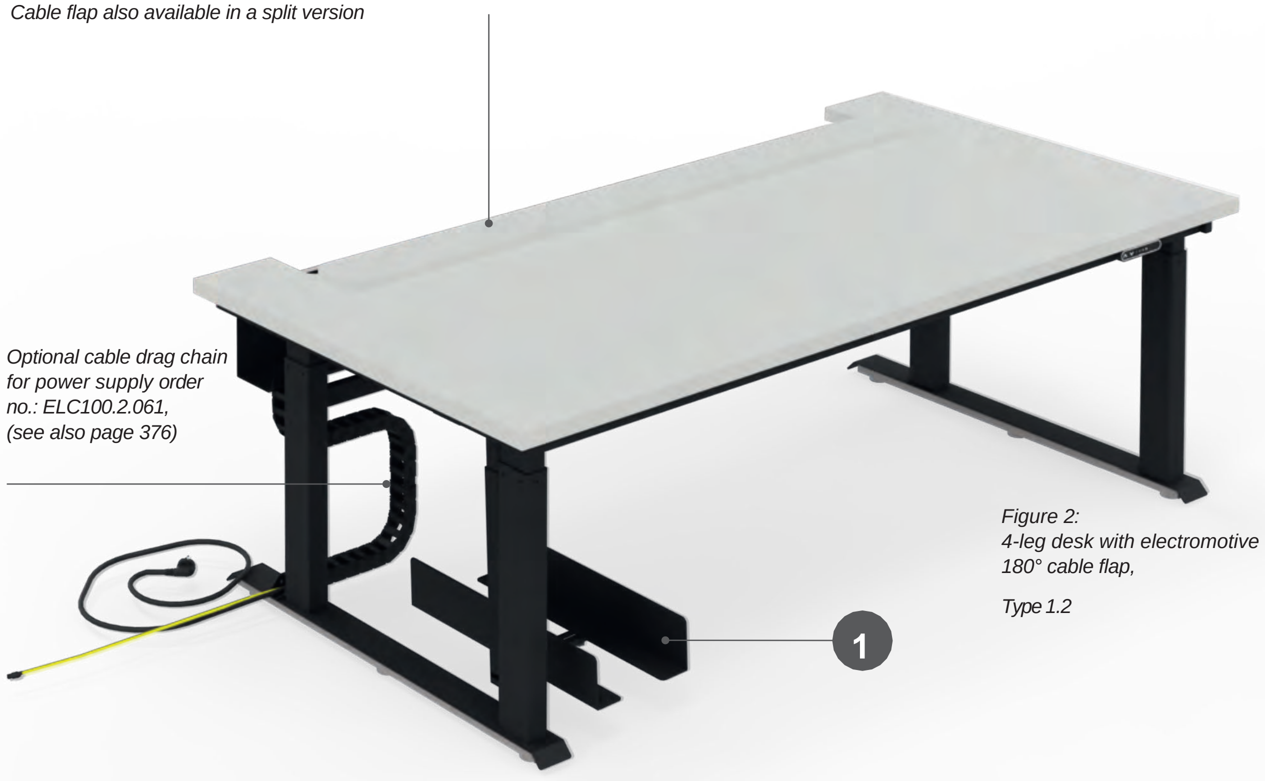
Table frame: Fully welded steel frame.

Table frame: Powder-coated, RAL 9011.

Height adjustment with collision protection: 4 x lifting columns. Lifting length: 650 mm, lifting weight 4 x 120 kg (minus the individual table weight!). Extremely quiet and fast drive. Noise level of only approx. 22 dB. Max. Travel speed 38 mm / s. Optionally available with high-speed lifting columns, high-speed travel speed max. 80 mm / s. Single, 2-, 3- or 4-parallel or multi-parallel movement with up to 16 columns. With PIEZO collision protection. As soon as the table an object, the movement is stopped. Electrically movable via display. 4 memory locations for height adjustment.

Note: The tables can be extended to accommodate boards and device cockpits using adapters and Expand 2 profiles.

Basic 2 version 4-leg table type 1.1						
Length	**Depth**	**HPL chipboard**	**HPL chipboard ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1,200 mm	850 mm	ELC1.1.1281.4	ELC1.1.1282.4	ELC1.1.1283.4	ELC1.1.1284.4	ELC1.1.1288.4
	1000 mm	ELC1.1.1211.4	ELC1.1.1212.4	ELC1.1.1213.4	ELC1.1.1214.4	ELC1.1.1218.4
1,600 mm	850 mm	ELC1.1.1681.4	ELC1.1.1682.4	ELC1.1.1683.4	ELC1.1.1684.4	ELC1.1.1688.4
	1000 mm	ELC1.1.1611.4	ELC1.1.1612.4	ELC1.1.1613.4	ELC1.1.1614.4	ELC1.1.1618.4
1,800 mm	850 mm	ELC1.1.1881.4	ELC1.1.1882.4	ELC1.1.1883.4	ELC1.1.1884.4	ELC1.1.1888.4
	1000 mm	ELC1.1.1811.4	ELC1.1.1812.4	ELC1.1.1813.4	ELC1.1.1814.4	ELC1.1.1818.4
2,000 mm	850 mm	ELC1.1.2081.4	ELC1.1.2082.4	ELC1.1.2083.4	ELC1.1.2084.4	ELC1.1.2088.4
	1000 mm	ELC1.1.2011.4	ELC1.1.2012.4	ELC1.1.2013.4	ELC1.1.2014.4	ELC1.1.2018.4



Cable flap also available in a split version

Optional cable drag chain for power supply order no.: ELC100.2.061, (see also page 376)

Figure 2:
4-leg desk with electromotive height adjustment and 180° cable flap,

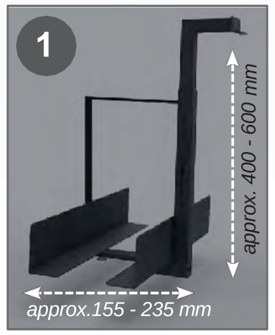
Type 1.2

4-leg table with lifting columns type 1.2 additionally with...
Cable flap: 180° ; split flap optionally available.

Cable tray: Permanently welded to the steel frame to accommodate socket strips and cables.

Optional equipment:
High-speed lifting columns: For an even faster table travel speed of up to 80 mm / s.
Order no.: ELC.HS.4

PC holder: For steel table frame. Adjustable in height and width, suitable for holding big tower PCs.
Powder-coated RAL 9011. Can be mounted on the left and right of the steel frame, incl. Velcro tape for stable fastening. **Order no.:** ELC6.6.257.4



Split cable flap: **Order no.:** ELC1.2.GK

Basic 2 version 4-leg table type 1.2 with 180° cable flap						
Length	**Depth**	**HPL chipboard**	**HPL chipboard ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1,200 mm	850 mm	ELC1.2.1281.4	ELC1.2.1282.4	ELC1.2.1283.4	ELC1.2.1284.4	ELC1.2.1288.4
	1000 mm	ELC1.2.1211.4	ELC1.2.1212.4	ELC1.2.1213.4	ELC1.2.1214.4	ELC1.2.1218.4
1,600 mm	850 mm	ELC1.2.1681.4	ELC1.2.1682.4	ELC1.2.1683.4	ELC1.2.1684.4	ELC1.2.1688.4
	1000 mm	ELC1.2.1611.4	ELC1.2.1612.4	ELC1.2.1613.4	ELC1.2.1614.4	ELC1.2.1618.4
1,800 mm	850 mm	ELC1.2.1881.4	ELC1.2.1882.4	ELC1.2.1883.4	ELC1.2.1884.4	ELC1.2.1888.4
	1000 mm	ELC1.2.1811.4	ELC1.2.1812.4	ELC1.2.1813.4	ELC1.2.1814.4	ELC1.2.1818.4
2,000 mm	850 mm	ELC1.2.2081.4	ELC1.2.2082.4	ELC1.2.2083.4	ELC1.2.2084.4	ELC1.2.2088.4
	1000 mm	ELC1.2.2011.4	ELC1.2.2012.4	ELC1.2.2013.4	ELC1.2.2014.4	ELC1.2.2018.4

System components in Basic 2 version

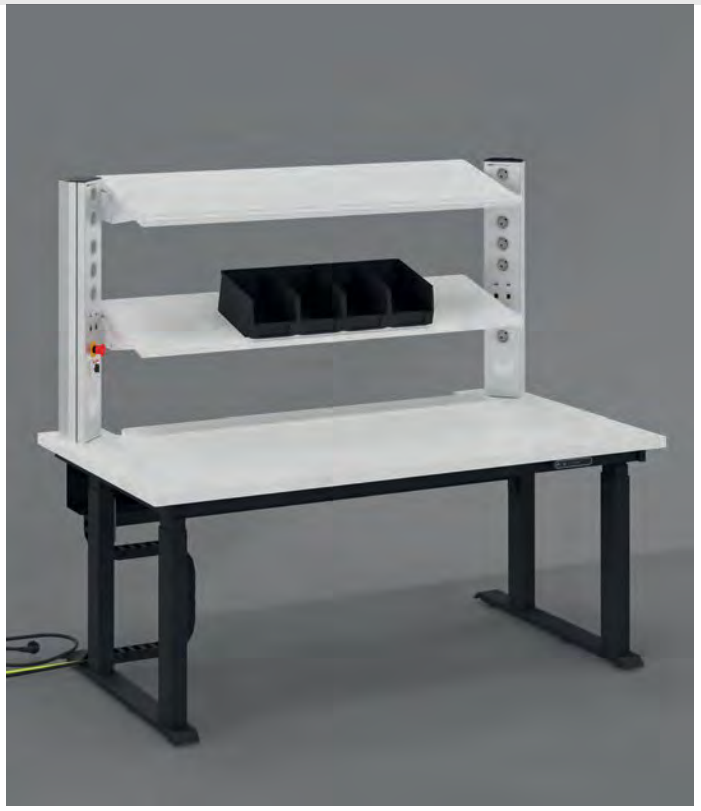


Fig. 1: Expanding profile 2 at a 45° angle to the user, version 1: ELC.B2.A1 with shelves for table type Basic 2, ELC3.4.1631.B (order no. Expanding profile 2, see from page 129).

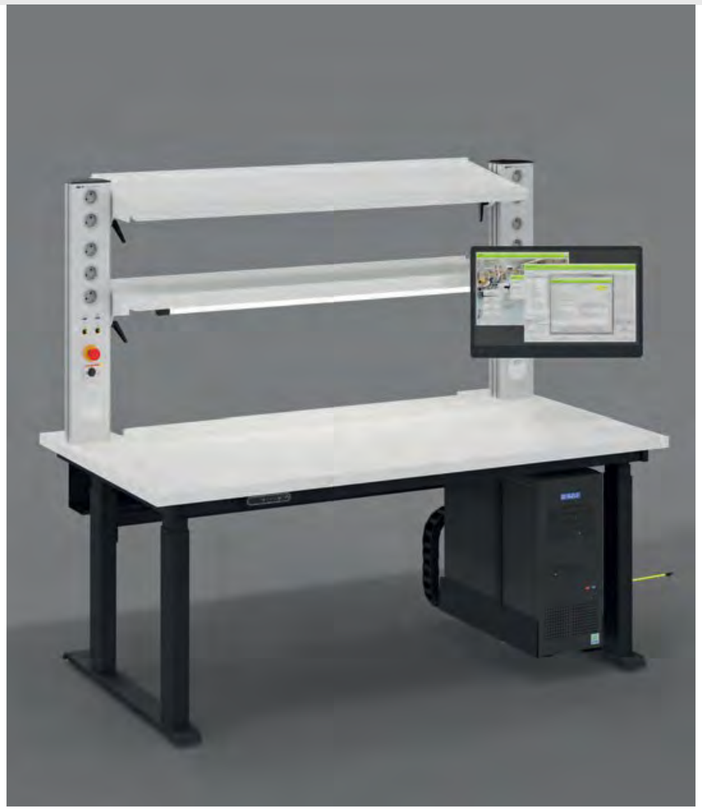


Fig. 2: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with shelves for table type Basic 2, ELC3.4.1631.B (order no. Expanding profile 2, see from page 129).
Optionally with PC holder for steel table frame and LED-ProSlim system light mounted under the shelf.

Storage shelves for Basic 2 table type

Storage shelves for Basic 2 table type: intermediate and tiltable, with aluminum profile underneath

for table width	Depth	Standard	ESD
1,200 mm	360 mm	ELC3.4.1231.B	ELC3.4.1232.B
	500 mm	ELC3.4.1251.B	ELC3.4.1252.B
1,600 mm	360 mm	ELC3.4.1631.B	ELC3.4.1632.B
	500 mm	ELC3.4.1651.B	ELC3.4.1652.B
1,800 mm	360 mm	ELC3.4.1831.B	ELC3.4.1832.B
	500 mm	ELC3.4.1851.B	ELC3.4.1852.B
2,000 mm	360 mm	ELC3.4.2031.B	ELC3.4.2032.B
	500 mm	ELC3.4.2051.B	ELC3.4.2052.B
Toggle clamp lever (optional) **order no.** ELC3.3.KKH			

Under-mounted system light 1

Detailed information on the system light on page 248.

System light 1

for table width	Type	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Luminaire length	Order no.
1,200 mm	5240 Dimm	dimmable	38 W	3720 lm	99 lm / W	889 mm	ELH1.1201.U
1,600 mm	5240 Dimm	dimmable	38 W	3720 lm	99 lm / W	1,089 mm	ELH1.1601.U
1,800 mm	5240 Dimm	dimmable	38 W	3720 lm	99 lm / W	1,489 mm	ELH1.1801.U
2,000 mm	5240 Dimm	dimmable	38 W	3720 lm	99 lm / W	1,549 mm	ELH1.2001.U

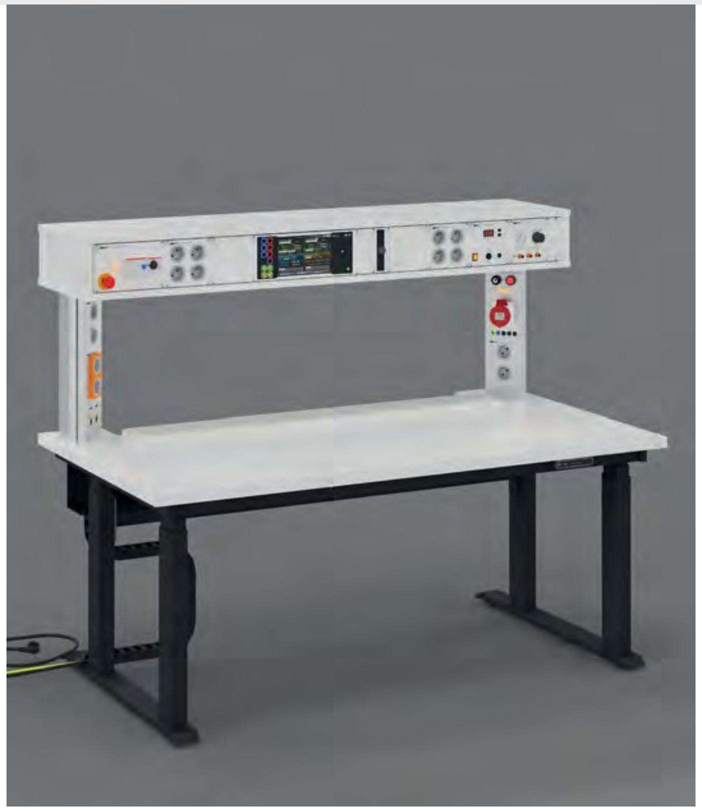


Fig. 3: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with 3 U cockpit in Basic version, ELC4.1.1631.B (order no. Expanding profile 2, see from page 129).

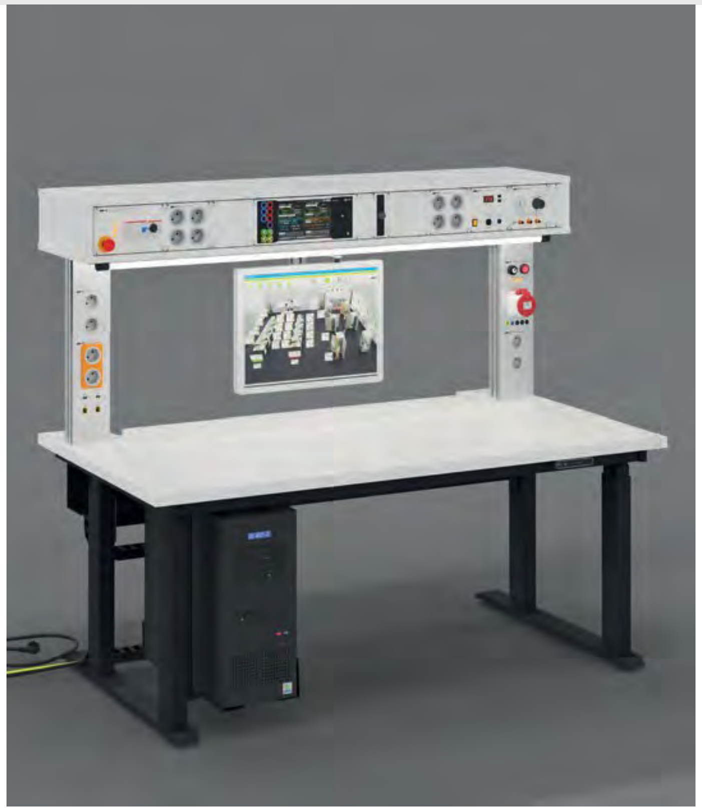


Fig. 2: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with 3 U cockpit in Basic version, ELC4.1.1631.B (order no. Expanding profile 2, see from page 129).
Optionally with PC holder for steel table frame and LED-ProSlim system light mounted under the cockpit.

19-inch cockpits for table type Basic 2

19-inch cockpits 3 and 6 U in Basic version (without cut-out for foot profiles, resting on top)

Length/BK*	Depth	**Height 3 U** (H total 172 mm)		**Height 6 U** (H total 305 mm)	
		Standard	ESD	Standard	ESD
1,200 mm / 224 TE	270 mm	ELC4.1.1221.B	ELC4.1.1222.B	ELC4.2.1221.B	ELC4.2.1222.B
	360 mm	ELC4.1.1231.B	ELC4.1.1232.B	ELC4.2.1231.B	ELC4.2.1232.B
	500 mm	ELC4.1.1251.B	ELC4.1.1252.B	ELC4.2.1251.B	ELC4.2.1252.B
1,600 mm / 303 TE	270 mm	ELC4.1.1621.B	ELC4.1.1622.B	ELC4.2.1621.B	ELC4.2.1622.B
	360 mm	ELC4.1.1631.B	ELC4.1.1632.B	ELC4.2.1631.B	ELC4.2.1632.B
	500 mm	ELC4.1.1651.B	ELC4.1.1652.B	ELC4.2.1651.B	ELC4.2.1652.B
1,800 mm / 342 TE	270 mm	ELC4.1.1821.B	ELC4.1.1822.B	ELC4.2.1821.B	ELC4.2.1822.B
	360 mm	ELC4.1.1831.B	ELC4.1.1832.B	ELC4.2.1831.B	ELC4.2.1832.B
	500 mm	ELC4.1.1851.B	ELC4.1.1852.B	ELC4.2.1851.B	ELC4.2.1852.B
2,000 mm / 382 TE	270 mm	ELC4.1.2021.B	ELC4.1.2022.B	ELC4.2.2021.B	ELC4.2.2022.B
	360 mm	ELC4.1.2031.B	ELC4.1.2032.B	ELC4.2.2031.B	ELC4.2.2032.B
	500 mm	ELC4.1.2051.B	ELC4.1.2052.B	ELC4.2.2051.B	ELC4.2.2052.B

Please specify in addition to Epxand profile 2 (from page 129) **when ordering**:

Version 1: Expanding profiles 2 vertical in the straight 45° angle to the user. **Order no.:** ELC.B2.A1

Version 2: Expanding profiles 2 vertical at a Version towards the user. **Order no.:** ELC.B2.A2

The system components are suitable for both versions.
Note: Shelves are always intermediate, tiltable. Cockpits rest top of the Expand 2 profiles!

---

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

Table types T-foot version

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

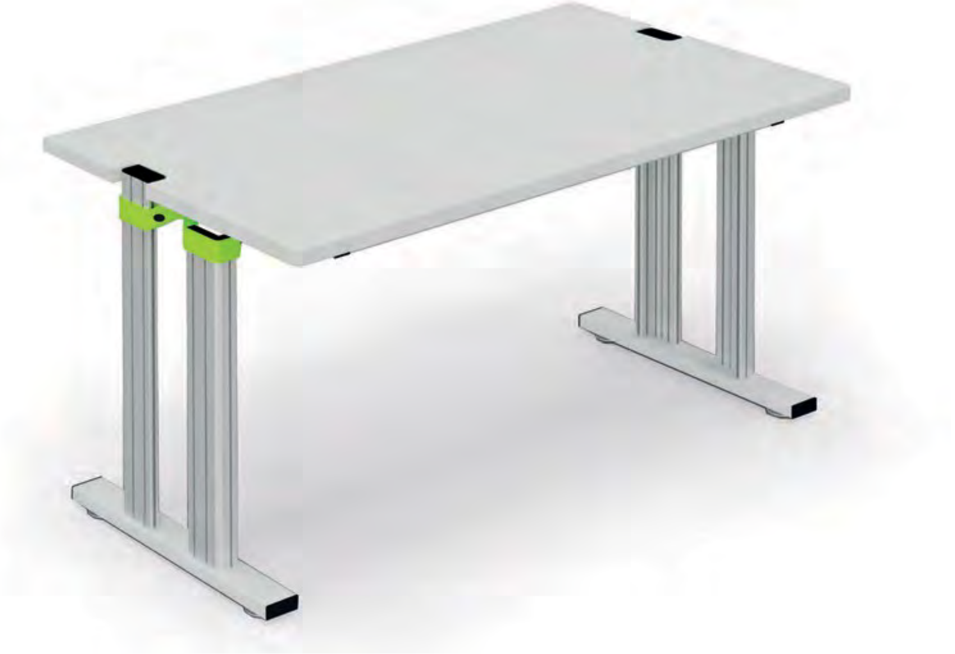
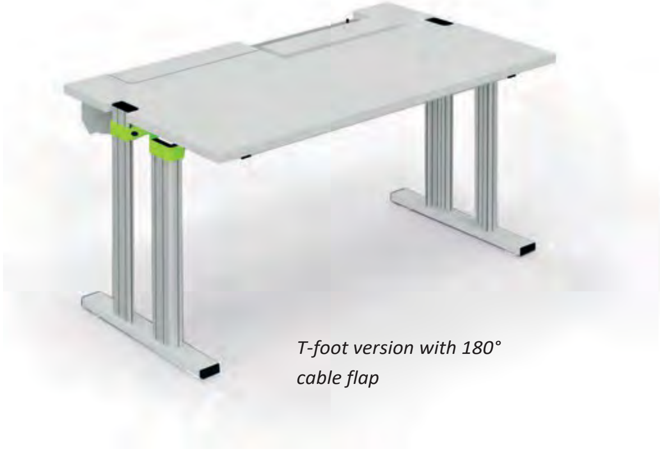


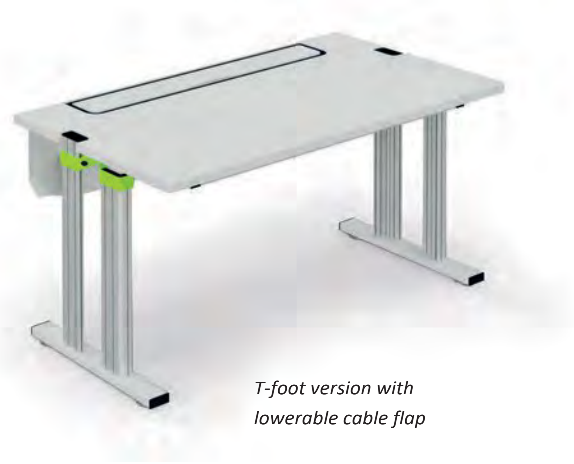
Table types in T-leg design Design as table types 1.1 to 1.4 but with a T-leg table frame.

Order note

Add "**.T**" to the order number of the table series 1.1 to 1.4. For example: table type 1.1, 1600 mm long, 850 mm deep, ergo-line: "**ELC1.1.1681.T**". By adding "**.T**", the previous four-leg table frame becomes a T-leg table frame.

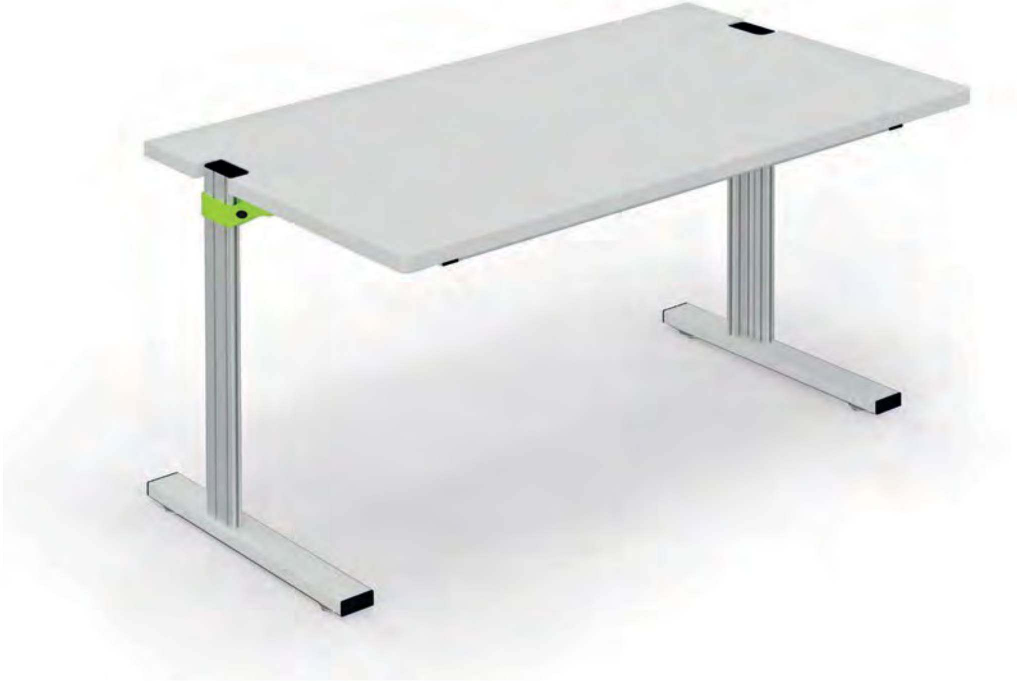


T-foot version with 180° cable flap



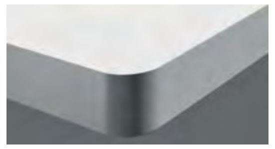
T-foot version with lowerable cable flap

Table types C-foot version

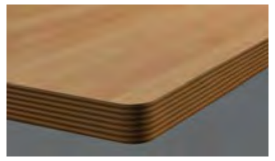


Worktops:

alu-line (laser edge)



ergo-line (laser edge)



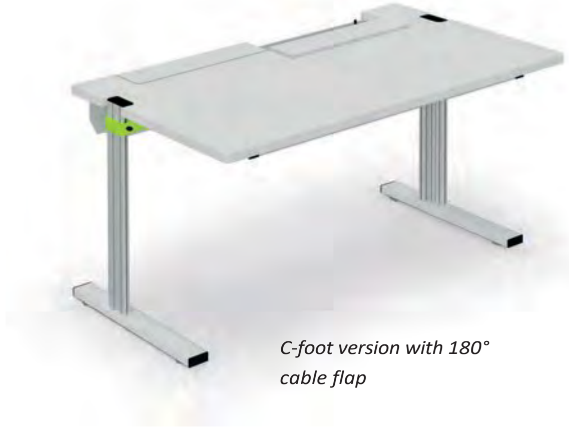
Multiplex

Solid core

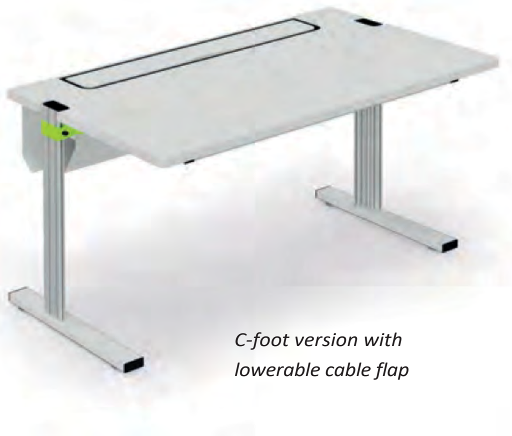
Table types in C-leg design Design as table types 1.1 to 1.4 but with a C-leg table frame.

Order note

Add "**.C**" to the order number of the table series 1.1 to 1.4. For example: table type 1.1, 1600 mm long, 850 mm deep, ergo-line: "**ELC1.1.1681.C**". By adding "**.C**", the previous four-leg table frame becomes a C-leg table frame.



C-foot version with 180° cable flap



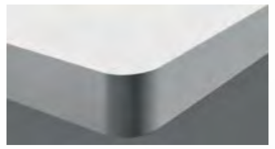
C-foot version with lowerable cable flap

Table types C-foot version

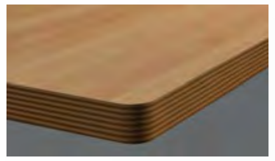
...with lifting columns for the office sector

Worktops:

alu-line (laser edge)



ergo-line (laser edge)



Multiplex

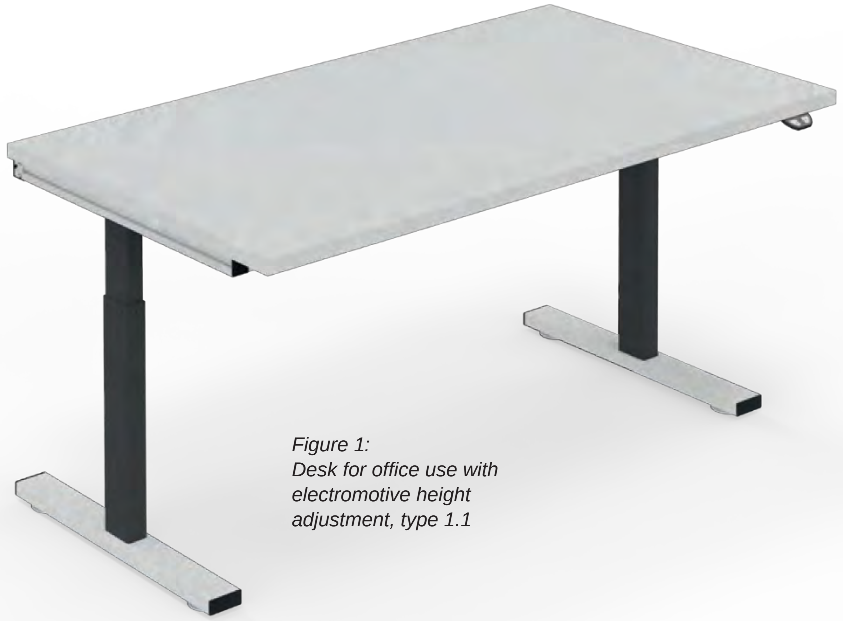
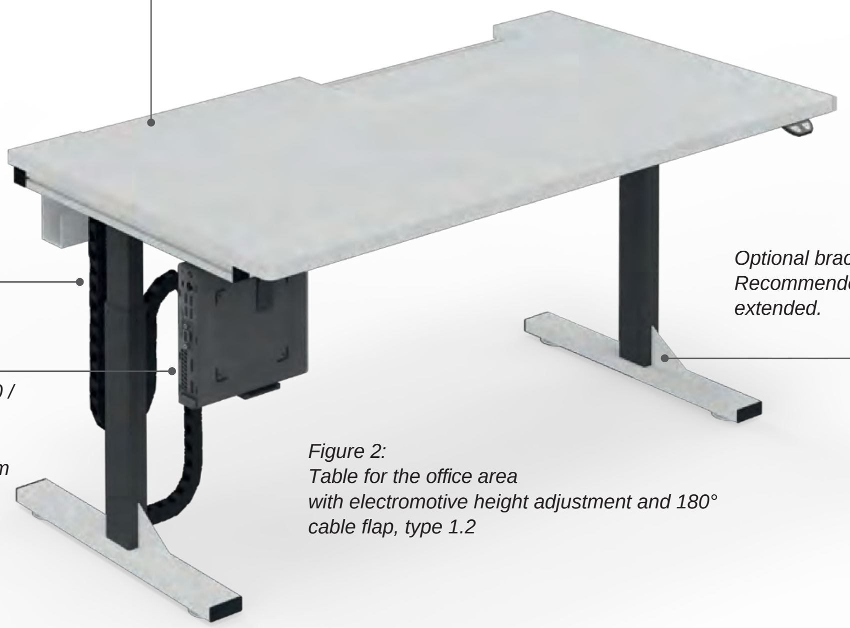


Figure 1:
Desk for office use with electromotive height adjustment, type 1.1



Cable flap optionally available in split version.

Optional cable drag chain for power supply order no.: ELC100.2.060, (see also page 376).

Optional mini PC holder for mounting on the 40 / 40 profile, order no.: ELC6.6.257.2, (see also page 173). For steel frames, please select PC bracket from page 80, order no.: ELC6.6.257.4

Optional bracing. Recommended if the table is extended.

Figure 2:
Table for the office area with electromotive height adjustment and 180° cable flap, type 1.2

Technical product description:

C-foot tables with lifting columns type 1.1

Worktops: ergo- / alu-line: 30 mm HPL laminated chipboard (laser edge), front white; Multiplex: 30 mm oiled.

Table frame: Sturdy aluminum table frame with all-round groove technology for connecting components and high weight savings. Alternatively as all-round fully welded steel frame.

Height adjustment with collision protection: Powder-coated, RAL 9011. 2 x lifting columns. Lifting length: 650 mm, lifting weight 2 x 120 kg (minus the individual table weight!). Extremely quiet and fast drive. Noise level of only approx. 22 dB. Max. Max. travel speed 38 mm / s. Optionally available with high-speed lifting columns. Can be moved individually, 2-, 3- or 4-parallel or multi-parallel with up to 16 columns. With PIEZO collision protection. As soon as the table hits an object, the movement is stopped. Electrically movable via display.

Note: The tables can be extended to accommodate boards and device cockpits using adapters and Expand 2 profiles. Compatible with system components in Basic 2 version.
See page 82. Bracing is recommended.

C-foot tables with lifting columns type 1.1

Length	Depth	HPL chipboard	HPL chipboard ESD	alu-line	alu-line ESD	Multiplex
1,200 mm	850 mm	ELC1.1.1281.O	ELC1.1.1282.O	ELC1.1.1283.O	ELC1.1.1284.O	ELC1.1.1288.O
	1000 mm	ELC1.1.1211.O	ELC1.1.1212.O	ELC1.1.1213.O	ELC1.1.1214.O	ELC1.1.1218.O
1,600 mm	850 mm	ELC1.1.1681.O	ELC1.1.1682.O	ELC1.1.1683.O	ELC1.1.1684.O	ELC1.1.1688.O
	1000 mm	ELC1.1.1611.O	ELC1.1.1612.O	ELC1.1.1613.O	ELC1.1.1614.O	ELC1.1.1618.O
1,800 mm	850 mm	ELC1.1.1881.O	ELC1.1.1882.O	ELC1.1.1883.O	ELC1.1.1884.O	ELC1.1.1888.O
	1000 mm	ELC1.1.1811.O	ELC1.1.1812.O	ELC1.1.1813.O	ELC1.1.1814.O	ELC1.1.1818.O
2,000 mm	850 mm	ELC1.1.2081.O	ELC1.1.2082.O	ELC1.1.2083.O	ELC1.1.2084.O	ELC1.1.2088.O
	1000 mm	ELC1.1.2011.O	ELC1.1.2012.O	ELC1.1.2013.O	ELC1.1.2014.O	ELC1.1.2018.O

C-foot tables with lifting columns type 1.2 additionally with...

Cable flap: 180° ; split flap optionally available.

Cable tray: Underneath the tabletop on the 40 / 40 profile mounted. In the Basic version, firmly welded to the steel frame.

Table types in basic design
With 90° corners, all-round steel frame, completely welded (version B1) or optionally bolted (version B2). Add "**.B1**" or "**.B2**" to the order number of the table series.

Optional equipment:

High-speed lifting columns: For an even faster table travel speed of up to 80 mm / s.
Order no.: ELC.HS.2

Stiffening triangle: For increased stability when the table is extended.
Order no.: ELC.AS.2

Split cable flap: **Order no.:** ELC1.2.GK

C-foot tables with lifting columns type 1.2 - with 180° cable flap

Length	Depth	HPL chipboard	HPL chipboard ESD	alu-line	alu-line ESD	Multiplex
1,200 mm	850 mm	ELC1.2.1281.O	ELC1.2.1282.O	ELC1.2.1283.O	ELC1.2.1284.O	ELC1.2.1288.O
	1000 mm	ELC1.2.1211.O	ELC1.2.1212.O	ELC1.2.1213.O	ELC1.2.1214.O	ELC1.2.1218.O
1,600 mm	850 mm	ELC1.2.1681.O	ELC1.2.1682.O	ELC1.2.1683.O	ELC1.2.1684.O	ELC1.2.1688.O
	1000 mm	ELC1.2.1611.O	ELC1.2.1612.O	ELC1.2.1613.O	ELC1.2.1614.O	ELC1.2.1618.O
1,800 mm	850 mm	ELC1.2.1881.O	ELC1.2.1882.O	ELC1.2.1883.O	ELC1.2.1884.O	ELC1.2.1888.O
	1000 mm	ELC1.2.1811.O	ELC1.2.1812.O	ELC1.2.1813.O	ELC1.2.1814.O	ELC1.2.1818.O
2,000 mm	850 mm	ELC1.2.2081.O	ELC1.2.2082.O	ELC1.2.2083.O	ELC1.2.2084.O	ELC1.2.2088.O
	1000 mm	ELC1.2.2011.O	ELC1.2.2012.O	ELC1.2.2013.O	ELC1.2.2014.O	ELC1.2.2018.O

Meeting table type 1.1

Height adjustment by means of gas spring - flexible without electricity!

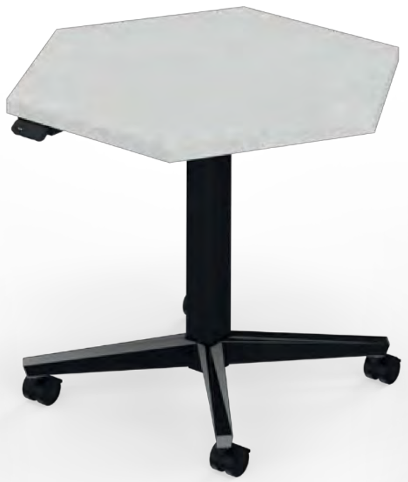


Figure 2:
Meeting table type 1.1 with table top "hexagon" 900 x 780 mm.

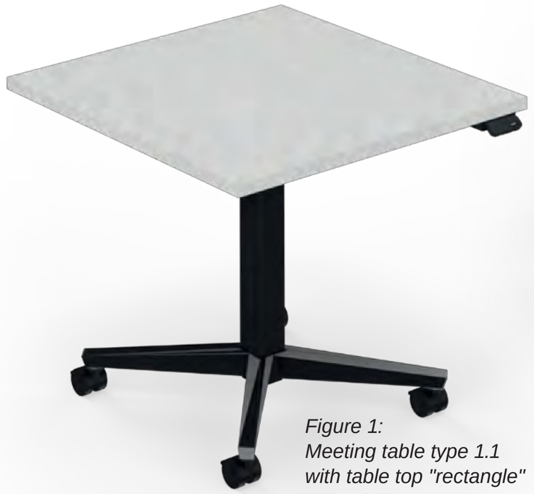


Figure 1:
Meeting table type 1.1 with table top "rectangle" 800 x 800 mm.

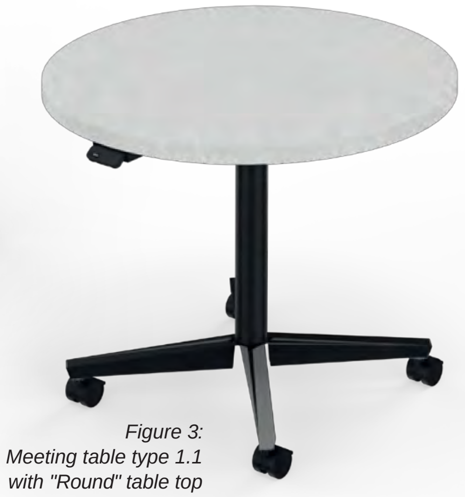


Figure 3:
Meeting table type 1.1 with "Round" table top Ø 900 mm.

Technical product description:

Meeting table type 1.1
Height-adjustable gas spring table, single column.

Work surfaces: 90° corners or round: 19 mm direct-coated, front white.

Table frame: Powder-coated RAL 9011. Base column round (Ø 70 mm) or square (70 x 70 mm) depending on table top version.
4-star base (Ø 800 mm). Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked.
Height approx. 690 to 1155 mm plus table top.

Height adjustment: Gas spring height adjustment 150 N. Stroke 465 mm. Adjustable via intuitive operating button.

Dynamic frame load without table top: Max. 15 kg.

Meeting table type 1.1		
Execution	**Table top size**	**Order no.**
Square	800 x 800 mm	ELH5.1.8080
Hexagon	900 x 780 mm	ELH5.1.9070
Round	Ø 900 mm	ELH5.1.9000

Meeting table type 1.2

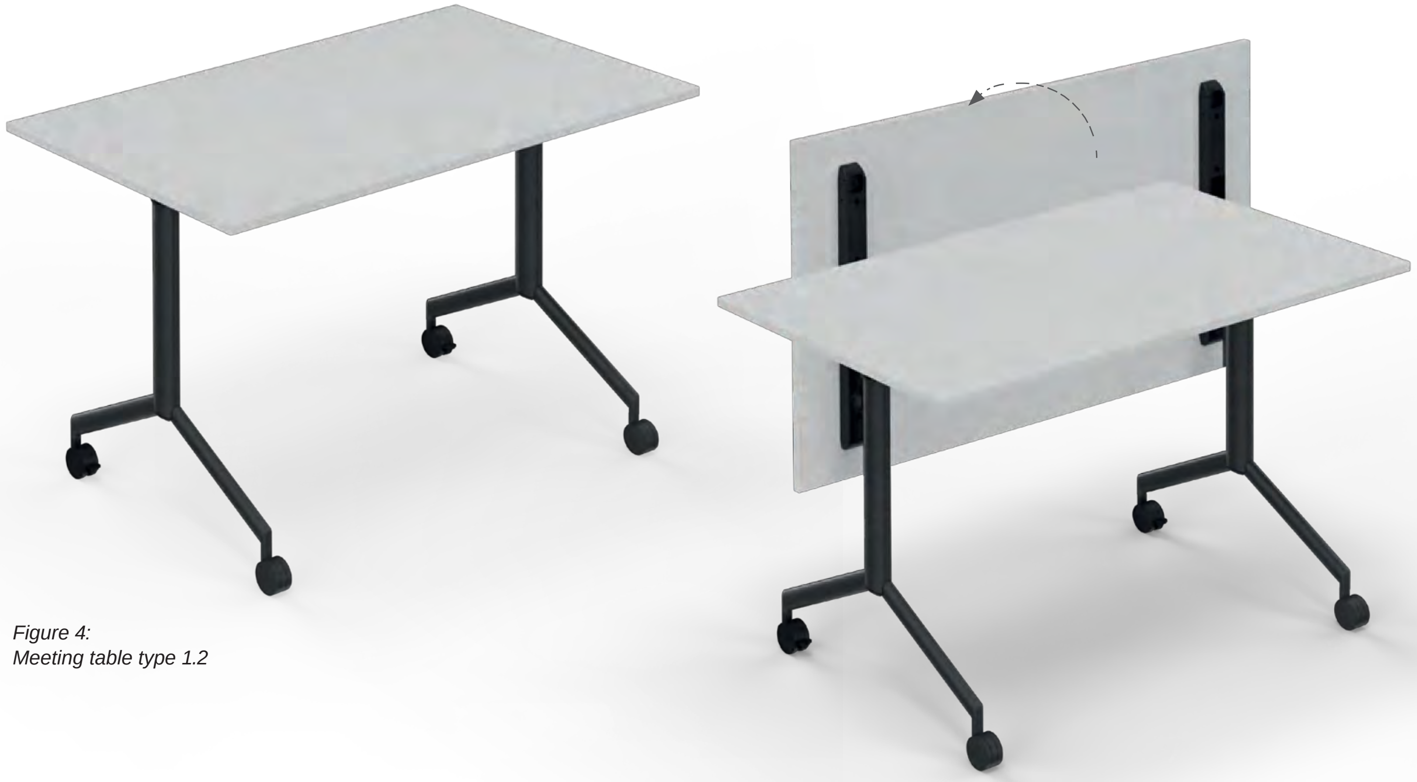


Figure 4:
Meeting table type 1.2

Technical product description:

Meeting table type 1.2
Slim design, foldable and mobile.

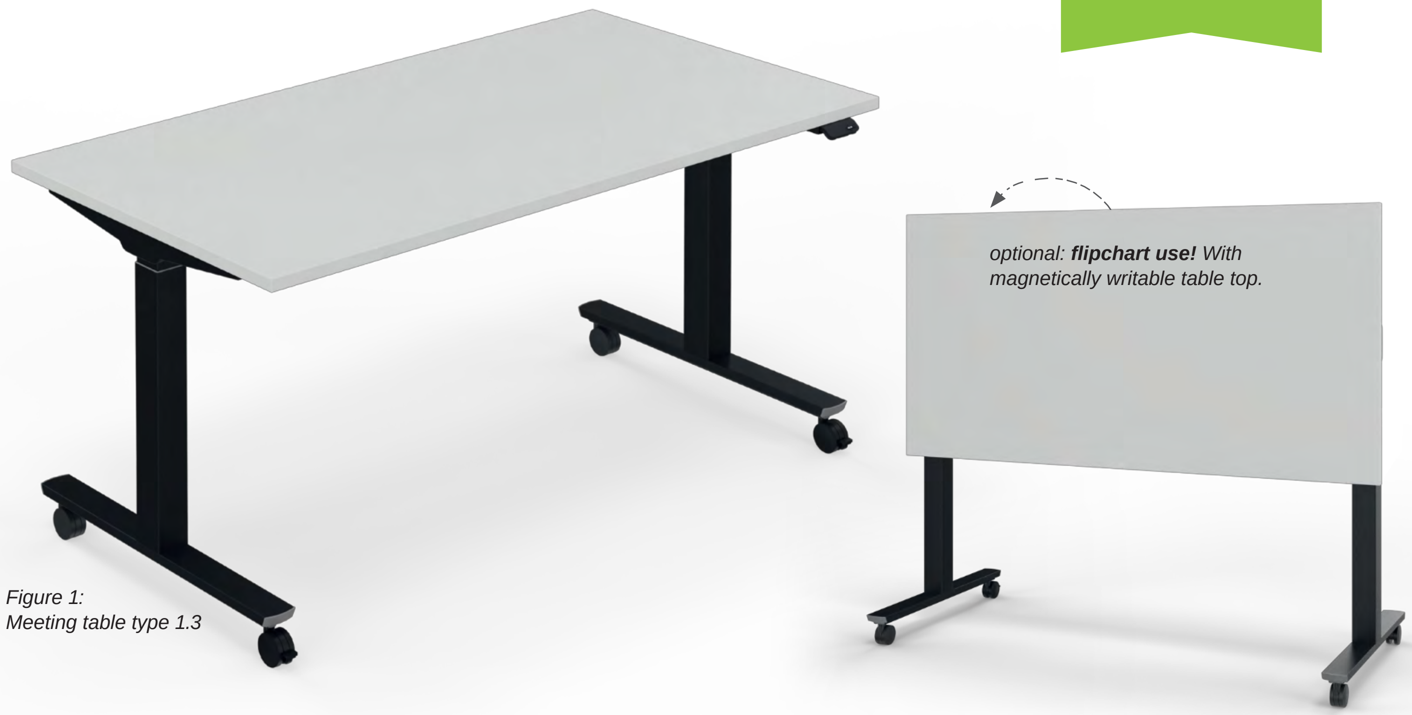
Work surfaces: 90° corners: 19 mm direct-coated, front white.

Table frame: Powder-coated RAL 9011, including table top folding function.
Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked.
Height approx. 700 mm plus table top.
Max. Frame load without table top: Max. 50 kg.

Meeting table type 1.2	
Table top size	**Order no.**
1,200 x 800 mm	ELH5.2.1280
1,400 x 800 mm	ELH5.2.1480
1,600 x 800 mm	ELH5.2.1680
1,800 x 800 mm	ELH5.2.1880

Meeting table type 1.3

Height adjustment by means of gas spring - flexible without electricity!



optional: **flipchart use!** With magnetically writable table top.

Figure 1:
Meeting table type 1.3

Technical product description:

Meeting table type 1.3 Height-adjustable gas lift table, slim design, foldable and mobile.

Work surfaces: 90° corners: 19 mm direct-coated, front white.
Alternative flipchart use possible with optional magnetic and writable work surface.

Table frame: Powder-coated RAL 9011, including table top folding function.

Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked.
Height approx. 715 to 1215 mm plus table top.

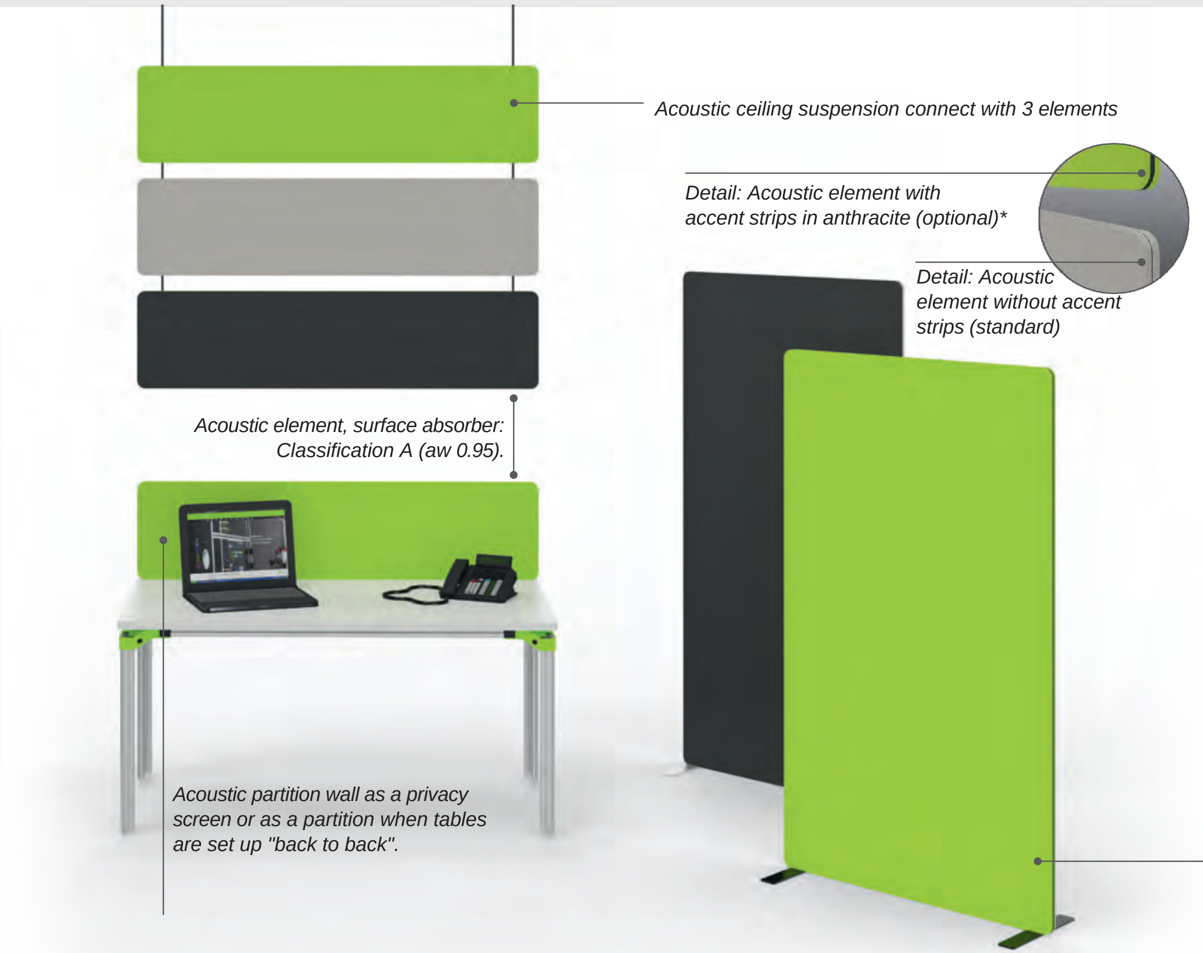
Height adjustment: Gas spring height adjustment 450 N (200 N table top / 250 N load). Stroke 500 mm. Adjustable via intuitive operating button.

Dynamic frame load without table top: Dependent on gas spring strength.
More than 450 N available on request.

Additional gas spring optional (approx. 100 to 300 N),
Order no.: ELH5.100

Meeting table type 1.3		
Table top size	**Table top decor: front white**	**Table top decor: front white, magnetic and writable**
1,200 x 800 mm	ELH5.3.1280	ELH5.4.1280
1,400 x 800 mm	ELH5.3.1480	ELH5.4.1480
1,600 x 800 mm	ELH5.3.1680	ELH5.4.1680
1,800 x 800 mm	ELH5.3.1880	ELH5.4.1880

Acoustic elements connect



Acoustic ceiling suspension connect with 3 elements

Detail: Acoustic element with accent strips in anthracite (optional)*

Detail: Acoustic element without accent strips (standard)

Acoustic element, surface absorber: Classification A (aw 0.95).

Acoustic partition wall as a privacy screen or as a partition when tables are set up "back to back".

Surfaces: Lucia fabric

009	black	●
086	gray	●
093	besch	●
156	light green	●
157	light blue	●
165	light beige	●

Other colors available on request.

* Optionally with 8 mm wide anthracite **accent strip**, surrounding on the outside.
Order no.: ELH5.110

Acoustic partition wall connect: Classification C (aw 0.60).

Technical product description:

Acoustic elements connect
Frameless privacy screen with acoustic properties.
Thickness: 28 mm, corner radius: 30 mm.

Version: As ceiling suspension with up to 3 elements, as a partition wall with table attachment or as a movable wall - can be set up individually or linked quickly and independently of the angle using a plug-in connection.

Acoustic ceiling suspension connect				**Acoustic partition connect**			
	Number of elements (height 387 mm per element)				**Height**		
Length	**1 element**	**2 elements**	**3 elements**	**Length**	**387 mm**	**600 mm**	**750 mm**
1,200 mm	ELH5.1230.1.x	ELH5.1230.2.x	ELH5.1230.3.x	**1,200 mm**	ELH5.1230.x	ELH5.1260.x	ELH5.1270.x
1,400 mm	ELH5.1430.1.x	ELH5.1430.2.x	ELH5.1430.3.x	**1,400 mm**	ELH5.1430.x	ELH5.1460.x	ELH5.1470.x
1,600 mm	ELH5.1630.1.x	ELH5.1630.2.x	ELH5.1630.3.x	**1,600 mm**	ELH5.1630.x	ELH5.1660.x	ELH5.1670.x
				1,800 mm	ELH5.1830.x	ELH5.1860.x	ELH5.1870.x
				2,000 mm	ELH5.2030.x	ELH5.2060.x	ELH5.2070.x

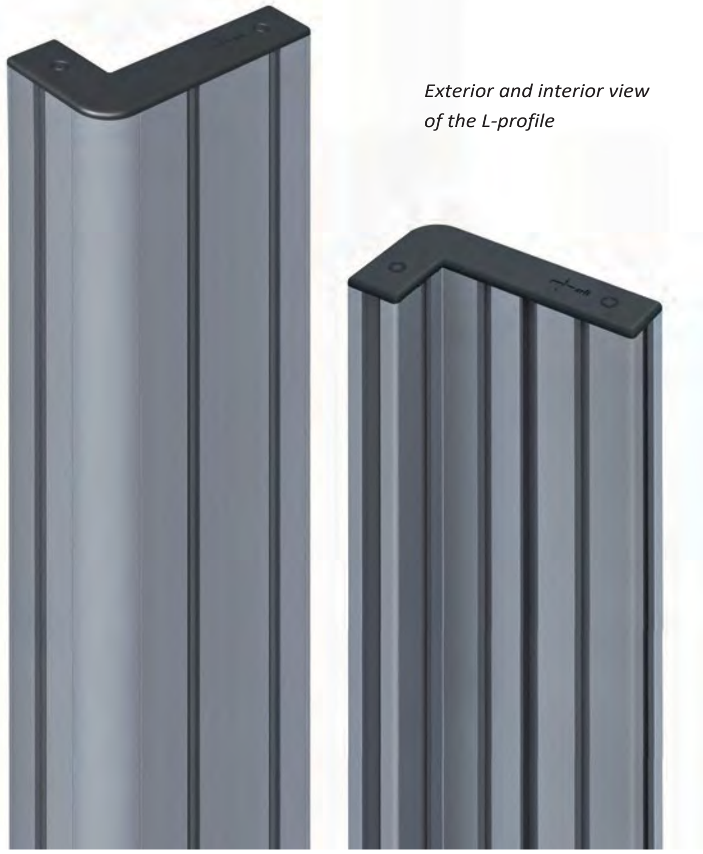
Acoustic movable wall connect *(foot bracket RAL 9006 white aluminum as standard)*				
Length	**Height 1,000 mm**	**Height 1,200 mm**	**Height 1,400 mm**	**Height 1,600 mm**
600 mm	ELH5.0610.x	ELH5.0612.x	ELH5.0614.x	ELH5.0616.x
800 mm	ELH5.0810.x	ELH5.0812.x	ELH5.0814.x	ELH5.0816.x
1,000 mm	ELH5.1010.x	ELH5.1012.x	ELH5.1014.x	ELH5.1016.x
1,200 mm	ELH5.1210.x	ELH5.1212.x	ELH5.1214.x	ELH5.1216.x
Foot bracket optional RAL 9011 graphite black, order no. ELH5.120				

Ordering information: Please replace the **"x"** with the desired fabric color (see table above).

L-profile

The one-piece L-profile

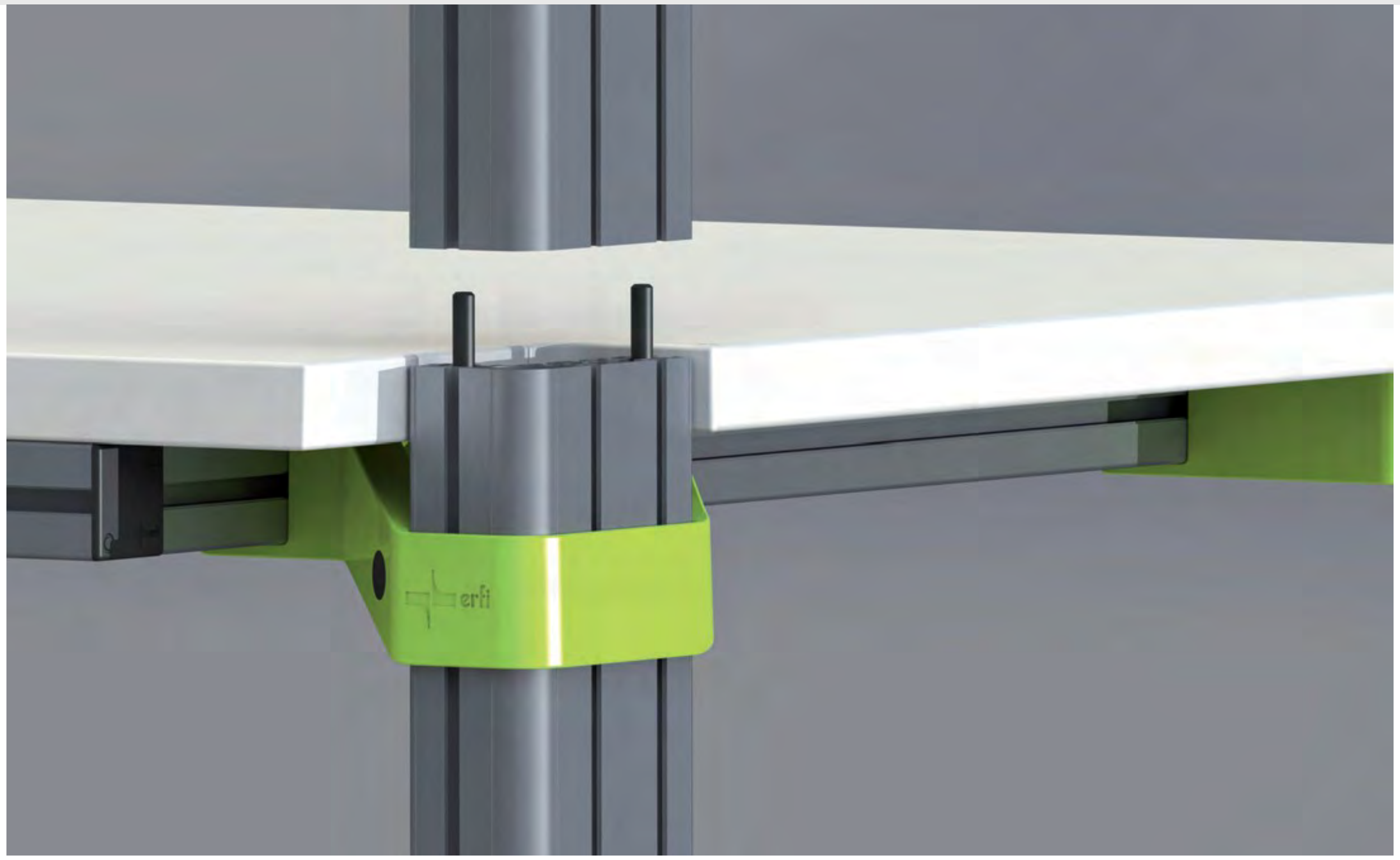
Device cockpits and storage shelves are mounted on rear profiles in one piece. Alternatively, the rear base profiles can also be extended (extension profiles, see next page). The one-piece profiles offer maximum stability thanks to their shape and uninterrupted structure.



Exterior and interior view of the L-profile

Continuous foot profiles		
Length rear table leg incl. foot rest	**Order no.**	**Remark**
702 mm	ELC2.1.0702	Front Table legs
780 mm	ELC2.1.0780	Hint. Table legs
1,200 mm	ELC2.1.1200	Hint. Table legs
1,400 mm	ELC2.1.1400	Hint. Table legs
1,500 mm	ELC2.1.1500	Hint. Table legs
1,800 mm	ELC2.1.1800	Hint. Table legs
2,000 mm	ELC2.1.2000	Hint. Table legs
2,200 mm	ELC2.1.2200	Hint. Table legs

Note Scope of delivery: L-profile incl. plastic profile cover cap and leveling foot



The L-profile for topping up

The L-profile offers the option of extending the rear profile legs as required with an extension profile. The extension is achieved by means of internal spikes that are inserted into the corresponding cylinders of the lower profile.

L-profile and at the same time form an anti-rotation protection. The profiles are also secured. A highly solid connection that is invisible from the outside when installed.

Raised foot profiles		
from	**on**	**Order no.**
780 mm	1,000 mm	ELC2.2.0220
	1,200 mm	ELC2.2.0420
	1,400 mm	ELC2.2.0620
	1,500 mm	ELC2.2.0720
	1,800 mm	ELC2.2.1020
	2,000 mm	ELC2.2.1220
	2,200 mm	ELC2.2.1420
	Ceiling height*	ELC2.2.DH78
1,200 mm	1,400 mm	ELC2.2.0200
	1,500 mm	ELC2.2.0300
	1,800 mm	ELC2.2.0600
	2,000 mm	ELC2.2.0800
	2,200 mm	ELC2.2.1000
	Ceiling height*	ELC2.2.DH12

Raised foot profiles		
from	**on**	**Order no.**
1,400 mm	1,800 mm	ELC2.2.0400
	2,000 mm	ELC2.2.0600
	2,200 mm	ELC2.2.0800
	Ceiling height*	ELC2.2.DH14
1,500 mm	1,800 mm	ELC2.2.0300
	2,000 mm	ELC2.2.0500
	2,200 mm	ELC2.2.0700
	Ceiling height*	ELC2.2.DH15
1,800 mm	2,000 mm	ELC2.2.0200
	2,200 mm	ELC2.2.0400
	Ceiling height*	ELC2.2.DH18
2,000 mm	2,200 mm	ELC2.2.0200
	Ceiling height*	ELC2.2.DH20
2,200 mm	Ceiling height*	ELC2.2.DH22

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* Please specify ceiling height; scope of delivery: L-profile incl. plastic profile cover cap, 2 extension dowels and locking device

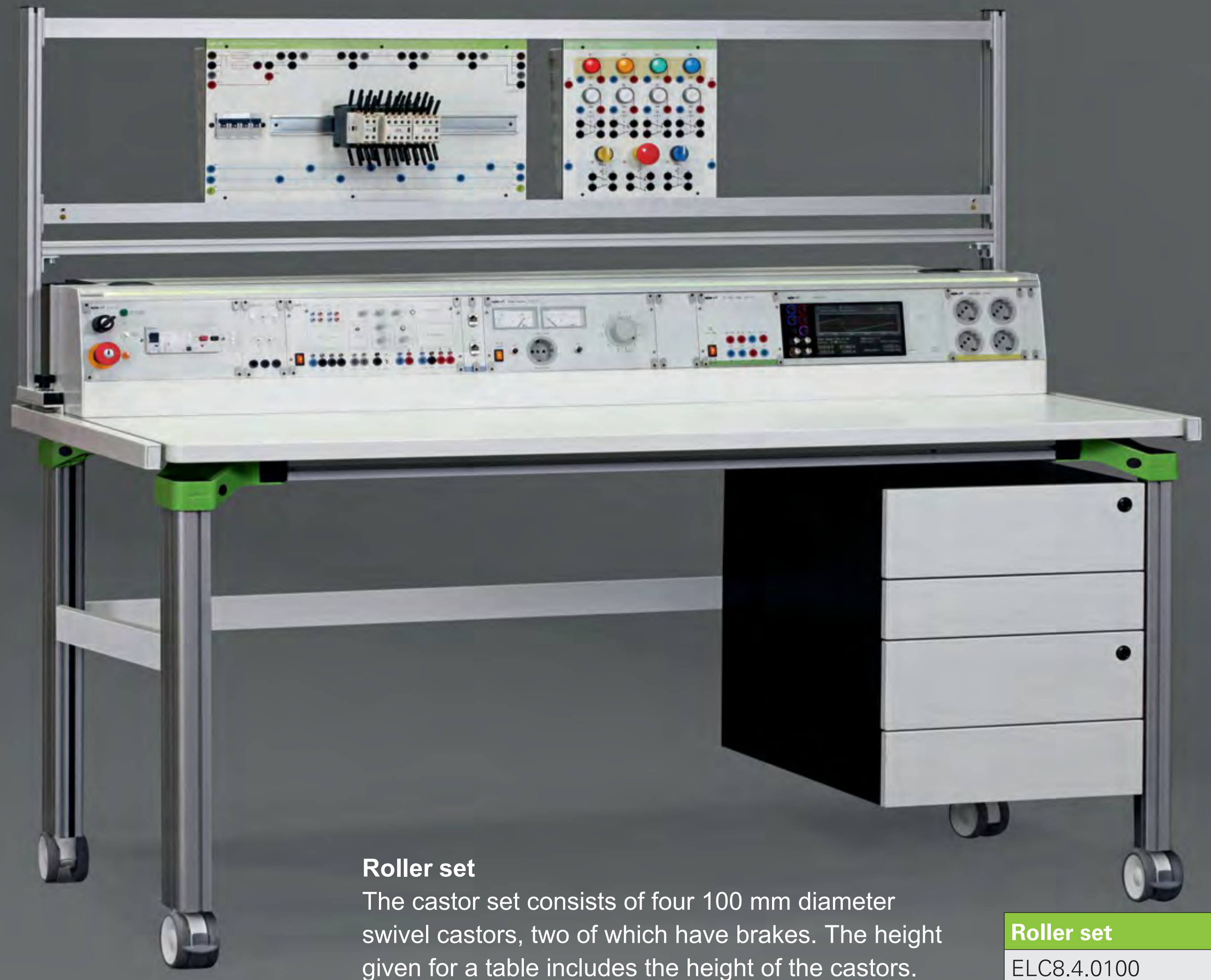
Mobile Table frame

The mobile table frames

The tables with mobile frame can be moved quickly and easily. The mobile frame consists of a sturdy steel frame with cross bracing and 4 swivel castors Ø 100 mm. Two of the swivel castors are lockable. The specified height of a table includes the height of the castors.

Mobile table frames	
Table width	**Order no.**
1,200 mm	ELC8.3.1200
1,600 mm	ELC8.3.1600
1,800 mm	ELC8.3.1800
2,000 mm	ELC8.3.2000

Castor set and Frame bracing



Roller set

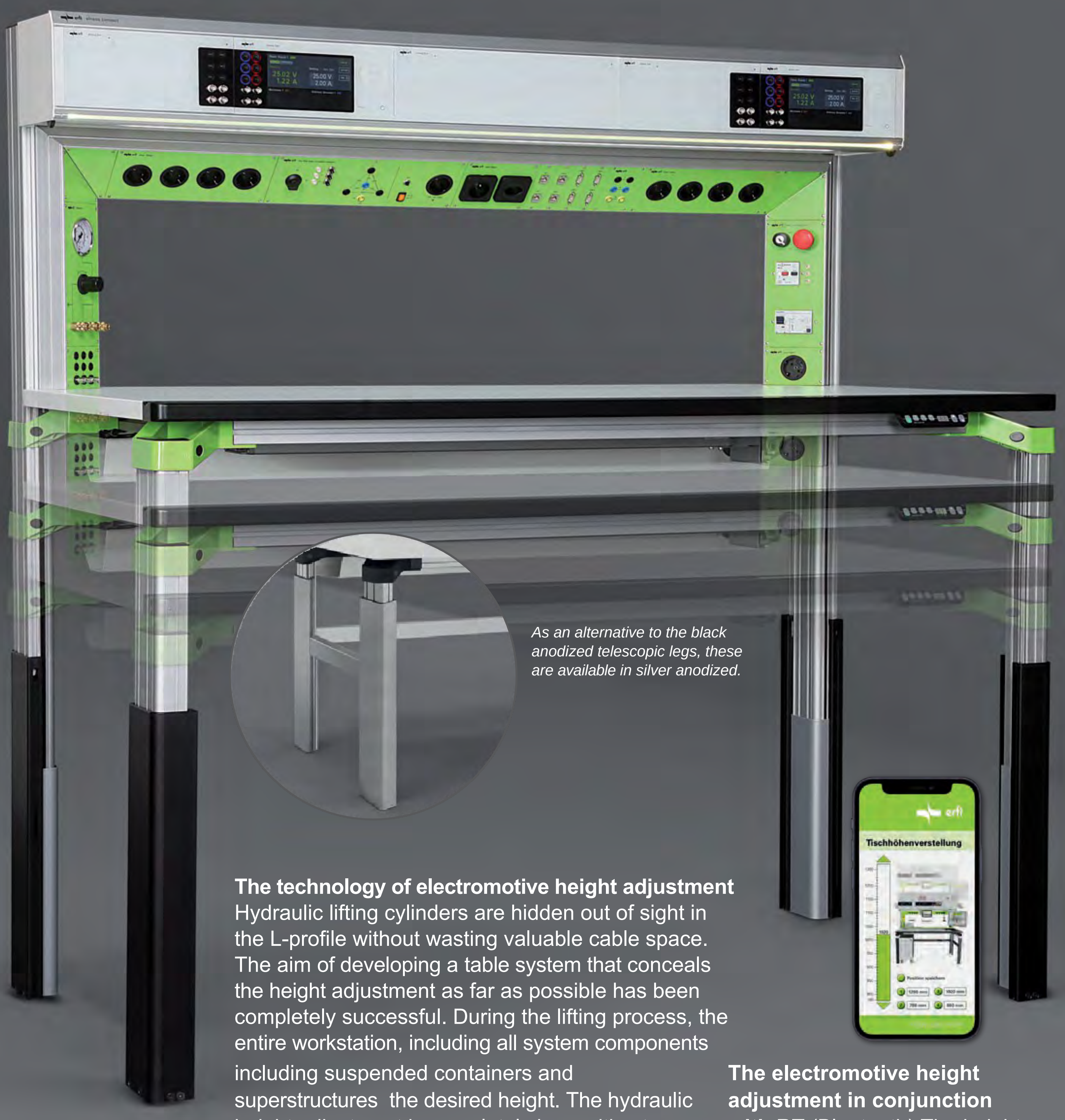
The castor set consists of four 100 mm diameter swivel castors, two of which have brakes. The height given for a table includes the height of the castors.

Roller set
ELC8.4.0100

Frame bracing

The frame reinforcement gives the table additional stability, particularly recommended for mobile tables and cockpit tables with a large number of integrated appliances. The frame reinforcement is available for the rear or for the rear and sides.

Frame bracing		
Table width	**rear only**	**Rear and side**
1,200 mm	ELC8.1.1200	ELC8.2.1200
1,600 mm	ELC8.1.1600	ELC8.2.1600
1,800 mm	ELC8.1.1800	ELC8.2.1800
2,000 mm	ELC8.1.2000	ELC8.2.2000



As an alternative to the black anodized telescopic legs, these are available in silver anodized.

The technology of electromotive height adjustment
Hydraulic lifting cylinders are hidden out of sight in the L-profile without wasting valuable cable space. The aim of developing a table system that conceals the height adjustment as far as possible has been completely successful. During the lifting process, the entire workstation, including all system components including suspended containers and superstructures the desired height. The hydraulic height adjustment is completely insensitive to impact and force impulses and is superior to any mechanical gear height adjustment. The height of several table systems can be linked and adjusted synchronously with just one drive pump.

The electromotive height adjustment in conjunction with BT (Bluetooth) The height adjustment can optionally be controlled via Bluetooth using a smartphone or tablet. It is also possible to save different user heights.

Height adjustment

The electric height adjustment
Compact height adjustment system with maximum stability and load capacity. The telescopic leg, which includes the L-profile, guarantees very high stability. The telescopic leg offers additional grooves and therefore an optimum connection option in the lower table area. Concealed media guidance during the height adjustment process is made possible by the expansion profile 1 inside the L-profile. It moves together with the L-profile and media that are guided in the L-profile.

Technical data for electromotive and manual height adjustment using a hand crank **Stroke:**
300 mm from 780 to 1080 mm
400 mm from 780 to 1180 mm (alternative)
500 mm from 780 to 1280 mm (alternative)

Lifting force: 350 kg, alternatively 600 kg

Lifting speed: approx. 15 mm/s Height adjustment at the touch of a button incl. digital display in cm. Memory function for storing 3 positions. Alternatively controllable by elneos six device system.

Electromotive height adjustment		
Lifting system	**350 kg**	**600 kg**
300	ELC5.300.350	ELC5.300.600
400	ELC5.400.350	ELC5.400.600
500	ELC5.500.350	
Manual height adjustment using a hand crank		
Lifting system	**350 kg**	
300	ELC5.300.350.H	
400	ELC5.400.350.H	
Manual height adjustment with clamping device		
Lifting system	**Order no.**	
100	ELC5.100.1	
200	ELC5.200.1	
300	ELC5.300.1	
400	ELC5.400.1	
Height adjustment incl. control with Bluetooth+ erfi-APP		
BT control unit		ELC5.BT
Height adjustment with elneos six appliance system		
Up / down button in the elneos six display *(See also general catalog elneos six page 105)*		EL6.TH
Height adjustment: telescopic legs in silver anodized		
Telescopic legs silver anodized		ELC5.SE

EMC: very low electromagnetic radiation, particularly suitable for use at computer workstations or in the electrical engineering sector.

Special features of the electric height adjustment

1. No waste of cable space
The height adjustment is designed so that the cable compartment inside the L-profile is not affected. The function of the L-profile and the media feed are retained.

2. Maximum stability and maximum adjustment range The new telescopic profile with its form-fit connection to the L-profile ensures stability and at the same time enables the installation of new and innovative compact cylinders. A lifting capacity of up to 600 kg is a decisive feature.

3. Optimum usability thanks to integrated grooves
The telescopic profile is an extruded aluminum profile with integrated functional grooves. All conceivable system components can be mounted on this telescopic profile without following the lifting movement. If the system components are to follow the lifting movement, they can be connected directly to the movable L-profile.

4. Media management and media protection
In the *elneos connect*, media is always concealed as standard and also by the telescopic profiles during the lifting process. Even large quantities of cable are concealed on all sides by the expansion profile 1 during the lifting process and protected against external influences.

5. Expandable and flexible without conversion work Expand profile 1 can be retrofitted at any time. The telescopic profile encloses the L-profile in such a way that the inside allows the Expand profile 1 to be retrofitted.

6. Retrofittability
The new height adjustment system has been developed in this way,
that it can be integrated into existing elneos connect tables can be installed.

Manual height adjustment systems
The manual height adjustment systems can be supplied with a crank or alternatively with a screw clamp connection in accordance with the adjacent ordering table.

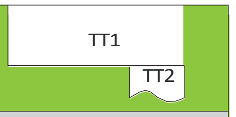
Angle connections for room design

Angle connections

The *elneos connect* furniture system offers a very high degree of flexibility thanks to the variety of angled linking tops. The design corresponds in principle to the basic tables.

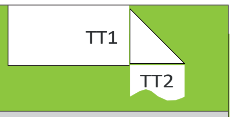
All angled joints are designed with the ergo-line tabletop edge and therefore also complement the work surfaces of the adjacent tables, which are equipped with the alu-line edge.

Link form 1



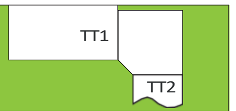
TT1	TT2	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	850 mm	ELC1.7.1.88.1	ELC1.7.1.88.2	ELC1.7.1.88.5	ELC1.7.1.88.6
850 mm	1000 mm	ELC1.7.1.81.1	ELC1.7.1.81.2	ELC1.7.1.81.5	ELC1.7.1.81.6
1000 mm	850 mm	ELC1.7.1.18.1	ELC1.7.1.18.2	ELC1.7.1.18.5	ELC1.7.1.18.6
1000 mm	1000 mm	ELC1.7.1.11.1	ELC1.7.1.11.2	ELC1.7.1.11.5	ELC1.7.1.11.6

Link form 2



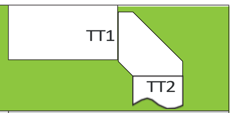
TT1	TT2	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	850 mm	ELC1.7.2.88.1	ELC1.7.2.88.2	ELC1.7.2.88.5	ELC1.7.2.88.6
850 mm	1000 mm	ELC1.7.2.81.1	ELC1.7.2.81.2	ELC1.7.2.81.5	ELC1.7.2.81.6
1000 mm	850 mm	ELC1.7.2.18.1	ELC1.7.2.18.2	ELC1.7.2.18.5	ELC1.7.2.18.6
1000 mm	1000 mm	ELC1.7.2.11.1	ELC1.7.2.11.2	ELC1.7.2.11.5	ELC1.7.2.11.6

Link form 3



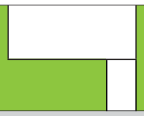
Size W x D	TT1	TT2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1000 x 1000 mm	850 mm	850 mm	ELC1.7.3.11.1	ELC1.7.3.11.2	ELC1.7.3.11.5	ELC1.7.3.11.6
1050 x 1200 mm	1000 mm	850 mm	ELC1.7.3.12.1	ELC1.7.3.12.2	ELC1.7.3.12.5	ELC1.7.3.12.6
1200 x 1050 mm	850 mm	1000 mm	ELC1.7.3.21.1	ELC1.7.3.21.2	ELC1.7.3.21.5	ELC1.7.3.21.6
1200 x 1200 mm	850 mm	850 mm	ELC1.7.3.228.1	ELC1.7.3.228.2	ELC1.7.3.228.5	ELC1.7.3.228.6
1200 x 1200 mm	1000 mm	1000 mm	ELC1.7.3.221.1	ELC1.7.3.221.2	ELC1.7.3.221.5	ELC1.7.3.221.6
1200 x 1350 mm	1000 mm	850 mm	ELC1.7.3.23.1	ELC1.7.3.23.2	ELC1.7.3.23.5	ELC1.7.3.23.6
1350 x 1200 mm	850 mm	1000 mm	ELC1.7.3.32.1	ELC1.7.3.32.2	ELC1.7.3.32.5	ELC1.7.3.32.6
1400 x 1400 mm	1000 mm	1000 mm	ELC1.7.3.44.1	ELC1.7.3.44.2	ELC1.7.3.44.5	ELC1.7.3.44.6

Link form 4



Size W x D	TT1	TT2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1000 x 1000 mm	850 mm	850 mm	ELC1.7.4.11.1	ELC1.7.4.11.2	ELC1.7.4.11.5	ELC1.7.4.11.6
1050 x 1200 mm	1000 mm	850 mm	ELC1.7.4.12.1	ELC1.7.4.12.2	ELC1.7.4.12.5	ELC1.7.4.12.6
1200 x 1050 mm	850 mm	1000 mm	ELC1.7.4.21.1	ELC1.7.4.21.2	ELC1.7.4.21.5	ELC1.7.4.21.6
1200 x 1200 mm	850 mm	850 mm	ELC1.7.4.228.1	ELC1.7.4.228.2	ELC1.7.4.228.5	ELC1.7.4.228.6
1200 x 1200 mm	1000 mm	1000 mm	ELC1.7.4.221.1	ELC1.7.4.221.2	ELC1.7.4.221.5	ELC1.7.4.221.6
1200 x 1350 mm	1000 mm	850 mm	ELC1.7.4.23.1	ELC1.7.4.23.2	ELC1.7.4.23.5	ELC1.7.4.23.6
1350 x 1200 mm	850 mm	1000 mm	ELC1.7.4.32.1	ELC1.7.4.32.2	ELC1.7.4.32.5	ELC1.7.4.32.6
1400 x 1400 mm	1000 mm	1000 mm	ELC1.7.4.44.1	ELC1.7.4.44.2	ELC1.7.4.44.5	ELC1.7.4.44.6

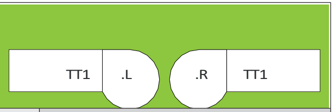
Link form 5



Size W x D	ergo-line	ergo-line ESD	Solid core	Mulitplex
800 x 400 mm	ELC1.7.5.84.1	ELC1.7.5.84.2	ELC1.7.5.84.5	ELC1.7.5.84.6
800 x 600 mm	ELC1.7.5.86.1	ELC1.7.5.86.2	ELC1.7.5.86.5	ELC1.7.5.86.6
1000 x 600 mm	ELC1.7.5.16.1	ELC1.7.5.16.2	ELC1.7.5.16.5	ELC1.7.5.16.6

Incl. connecting fitting and 2 round feet

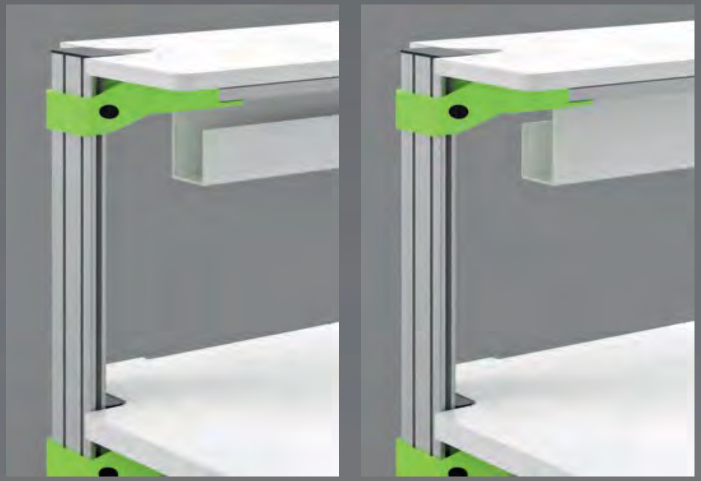
Link form 6



TT1	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	ELC1.7.6.88.1	ELC1.7.6.88.2	ELC1.7.6.88.5	ELC1.7.6.88.6
1000 mm	ELC1.7.6.11.1	ELC1.7.6.11.2	ELC1.7.6.11.5	ELC1.7.6.11.6

Incl. connecting fitting and 2 round feet.

Note: Add "**.R**" the order number for mounting on the right and "**.L**" for mounting on the left.



Cable trays for storage shelves

For accommodating large quantities of cables, socket strips, etc. Mounted directly under the board. Open at the front or rear.

Cable trays for storage shelves		
Cable tray for table length	**Cable tray open at the front**	**Cable tray open to the rear**
1,200 mm	ELC3.5.1200.1	ELC3.5.1200.2
1,600 mm	ELC3.5.1600.1	ELC3.5.1600.2
1,800 mm	ELC3.5.1800.1	ELC3.5.1800.2
2,000 mm	ELC3.5.2000.1	ELC3.5.2000.2

Storage shelves

Straight shelves, height-adjustable

19 mm thick chipboard, laminate-coated, edges all around with high-impact resistant 2 mm ABS plastic profile; infinitely height-adjustable incl. aluminum profile with functional grooves.

Decor: elegant front white

Alternative version: without aluminum profile mounted underneath, for direct support on horizontal expansion profile 2; each in ESD version.

Tiltable shelves, height-adjustable

19 mm thick chipboard, laminate-coated, edges all around with high-impact resistant 2 mm ABS plastic profile; infinitely height-adjustable and tiltable; front with recessed anti-slip edge, incl. aluminum profile with functional grooves.

Decor: elegant front white

Alternative version: ESD version (volume conductive).

Type 1 - entire table width

The board encloses the rear foot profiles and extends to the outer edge of the table.

Type 2 - between rear foot profiles

The board is positioned between the rear foot profiles. The board can be tilted by 15° to the left and right by simply loosening a screw. An optional tilting clamping lever can be provided for free adjustment.

Straight shelves					
Length	**Depth**	**with under-mounted profile**		**without profile underneath**	
		Standard	**ESD**	**Standard**	**ESD**
1,200 mm	360 mm	ELC3.1.1231	ELC3.1.1232	ELC3.2.1231	ELC3.2.1232
	500 mm	ELC3.1.1251	ELC3.1.1252	ELC3.2.1251	ELC3.2.1252
1,600 mm	360 mm	ELC3.1.1631	ELC3.1.1632	ELC3.2.1631	ELC3.2.1632
	500 mm	ELC3.1.1651	ELC3.1.1652	ELC3.2.1651	ELC3.2.1652
1,800 mm	360 mm	ELC3.1.1831	ELC3.1.1832	ELC3.2.1831	ELC3.2.1832
	500 mm	ELC3.1.1851	ELC3.1.1852	ELC3.2.1851	ELC3.2.1852
2,000 mm	360 mm	ELC3.1.2031	ELC3.1.2032	ELC3.2.2031	ELC3.2.2032
	500 mm	ELC3.1.2051	ELC3.1.2052	ELC3.2.2051	ELC3.2.2052

Tilting shelves		Type 1 - entire table width		Type 2 - between rear foot profiles	
Length	**Depth**	**with aluminum profile underneath**		**with aluminum profile underneath**	
		Type 1 Standard	**Type 1 ESD**	**Type 2 Standard**	**Type 2 ESD**
1200 mm	360 mm	ELC3.3.1231	ELC3.3.1232	ELC3.4.1231	ELC3.4.1232
	500 mm	ELC3.3.1251	ELC3.3.1252	ELC3.4.1251	ELC3.4.1252
1600 mm	360 mm	ELC3.3.1631	ELC3.3.1632	ELC3.4.1631	ELC3.4.1632
	500 mm	ELC3.3.1651	ELC3.3.1652	ELC3.4.1651	ELC3.4.1652
1800 mm	360 mm	ELC3.3.1831	ELC3.3.1832	ELC3.4.1831	ELC3.4.1832
	500 mm	ELC3.3.1851	ELC3.3.1852	ELC3.4.1851	ELC3.4.1852
2000 mm	360 mm	ELC3.3.2031	ELC3.3.2032	ELC3.4.2031	ELC3.4.2032
	500 mm	ELC3.3.2051	ELC3.3.2052	ELC3.4.2051	ELC3.4.2052
Toggle clamp lever (optional) **order no.** ELC3.3.KKH					

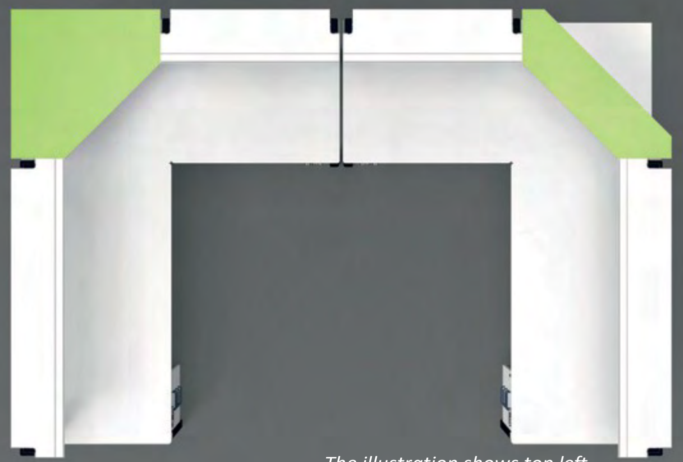
Storage shelves for angle combinations

Corner shelf

The boards are infinitely height-adjustable and are supplied with an aluminum profile with functional grooves underneath. The board is made of 20 mm thick laminated chipboard. The edges are wrapped all around with highly impact-resistant 2 mm ABS plastic profile.

Decor: elegant front white

Alternative version: Without sub-mounted aluminum profile for direct support on horizontal expansion profile 2; each in volume conductive ESD version.



The illustration shows top left the link form 1 and top right the link form 2.

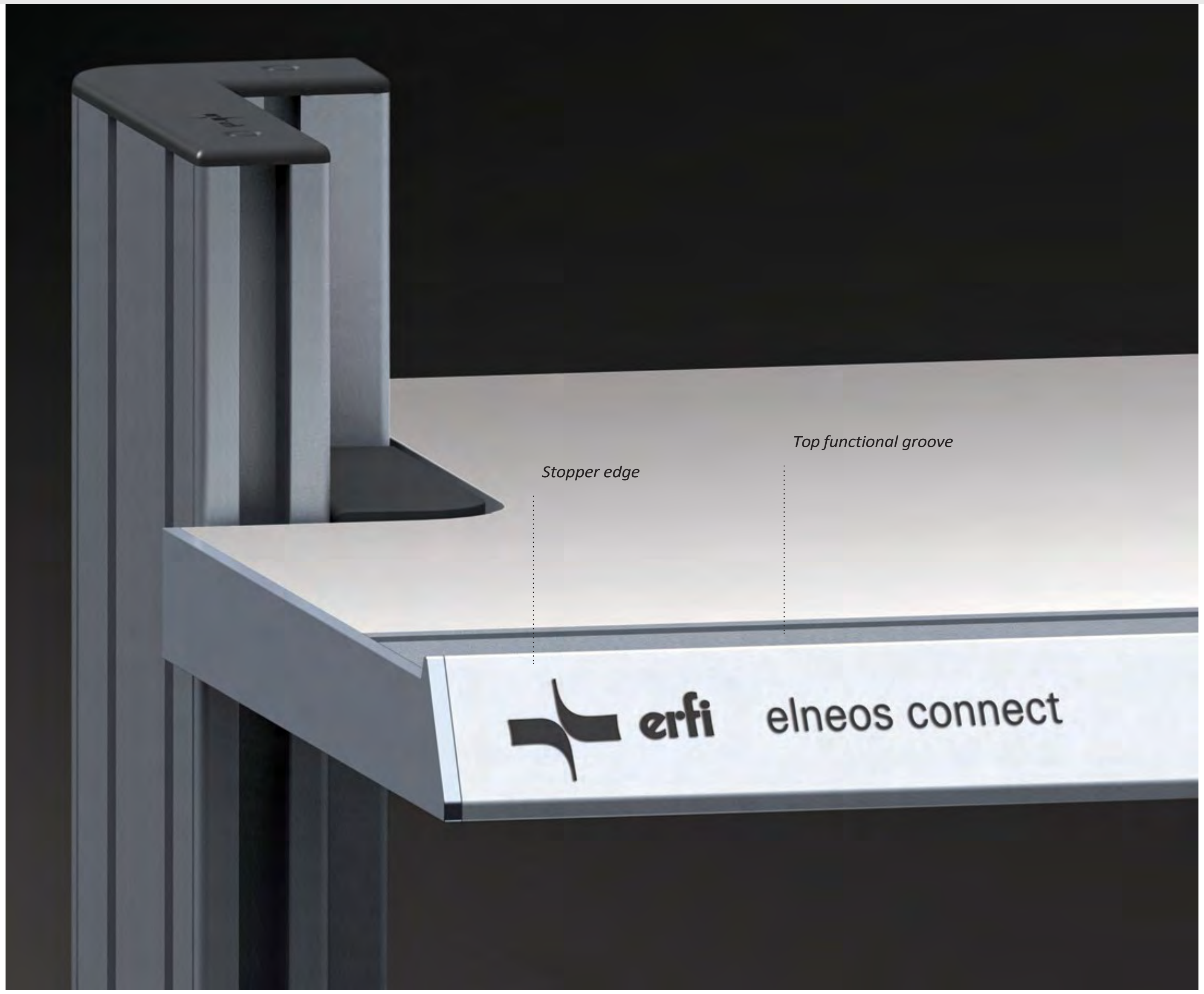
Corner shelf - linking form 1

Table size W x D mm	Board deep	Fixed with sub. aluminum profile		Fixed without sub. aluminum profile		Inclinable with sub. aluminum profile	
		Standard fixed	ESD solid	Standard fixed	ESD solid	Standard tiltable	ESD tiltable
850 x 850	360 mm	ELC3.5.8831.1	ELC3.5.8831.2	ELC3.5.8831.3	ELC3.5.8831.4	ELC3.5.8831.5	ELC3.5.8831.6
	500 mm	ELC3.5.8851.1	ELC3.5.8851.2	ELC3.5.8851.3	ELC3.5.8851.4	ELC3.5.8851.5	ELC3.5.8851.6
850 x 1000	360 mm	ELC3.5.8131.1	ELC3.5.8131.2	ELC3.5.8131.3	ELC3.5.8131.4	ELC3.5.8131.5	ELC3.5.8131.6
	500 mm	ELC3.5.8151.1	ELC3.5.8151.2	ELC3.5.8151.3	ELC3.5.8151.4	ELC3.5.8151.5	ELC3.5.8151.6
1000 x 850	360 mm	ELC3.5.1831.1	ELC3.5.1831.2	ELC3.5.1831.3	ELC3.5.1831.4	ELC3.5.1831.5	ELC3.5.1831.6
	500 mm	ELC3.5.1851.1	ELC3.5.1851.2	ELC3.5.1851.3	ELC3.5.1851.4	ELC3.5.1851.5	ELC3.5.1851.6
1000 x 1000	360 mm	ELC3.5.1131.1	ELC3.5.1131.2	ELC3.5.1131.3	ELC3.5.1131.4	ELC3.5.1131.5	ELC3.5.1131.6
	500 mm	ELC3.5.1151.1	ELC3.5.1151.2	ELC3.5.1151.3	ELC3.5.1151.4	ELC3.5.1151.5	ELC3.5.1151.6
1050 x 1200	360 mm	ELC3.5.1231.1	ELC3.5.1231.2	ELC3.5.1231.3	ELC3.5.1231.4	ELC3.5.1231.5	ELC3.5.1231.6
	500 mm	ELC3.5.1251.1	ELC3.5.1251.2	ELC3.5.1251.3	ELC3.5.1251.4	ELC3.5.1251.5	ELC3.5.1251.6
1200 x 1050	360 mm	ELC3.5.2131.1	ELC3.5.2131.2	ELC3.5.2131.3	ELC3.5.2131.4	ELC3.5.2131.5	ELC3.5.2131.6
	500 mm	ELC3.5.2151.1	ELC3.5.2151.2	ELC3.5.2151.3	ELC3.5.2151.4	ELC3.5.2151.5	ELC3.5.2151.6
1200 x 1200	360 mm	ELC3.5.2231.1	ELC3.5.2231.2	ELC3.5.2231.3	ELC3.5.2231.4	ELC3.5.2231.5	ELC3.5.2231.6
	500 mm	ELC3.5.2251.1	ELC3.5.2251.2	ELC3.5.2251.3	ELC3.5.2251.4	ELC3.5.2251.5	ELC3.5.2251.6
1200 x 1350	360 mm	ELC3.5.2331.1	ELC3.5.2331.2	ELC3.5.2331.3	ELC3.5.2331.4	ELC3.5.2331.5	ELC3.5.2331.6
	500 mm	ELC3.5.2351.1	ELC3.5.2351.2	ELC3.5.2351.3	ELC3.5.2351.4	ELC3.5.2351.5	ELC3.5.2351.6
1350 x 1200	360 mm	ELC3.5.3231.1	ELC3.5.3231.2	ELC3.5.3231.3	ELC3.5.3231.4	ELC3.5.3231.5	ELC3.5.3231.6
	500 mm	ELC3.5.3251.1	ELC3.5.3251.2	ELC3.5.3251.3	ELC3.5.3251.4	ELC3.5.3251.5	ELC3.5.3251.6
1400 x 1400	360 mm	ELC3.5.4431.1	ELC3.5.4431.2	ELC3.5.4431.3	ELC3.5.4431.4	ELC3.5.4431.5	ELC3.5.4431.6
	500 mm	ELC3.5.4451.1	ELC3.5.4451.2	ELC3.5.4451.3	ELC3.5.4451.4	ELC3.5.4451.5	ELC3.5.4451.6

Corner shelf - linking form 2

Table size W x D mm	Board deep	Fixed with sub. aluminum profile		Fixed without sub. aluminum profile		Inclinable with sub. aluminum profile	
		Standard fixed	ESD solid	Standard fixed	ESD solid	Standard tiltable	ESD tiltable
850 x 850	360 mm	ELC3.6.8831.1	ELC3.6.8831.2	ELC3.6.8831.3	ELC3.6.8831.4	ELC3.6.8831.5	ELC3.6.8831.6
	500 mm	ELC3.6.8851.1	ELC3.6.8851.2	ELC3.6.8851.3	ELC3.6.8851.4	ELC3.6.8851.5	ELC3.6.8851.6
850 x 1000	360 mm	ELC3.6.8131.1	ELC3.6.8131.2	ELC3.6.8131.3	ELC3.6.8131.4	ELC3.6.8131.5	ELC3.6.8131.6
	500 mm	ELC3.6.8151.1	ELC3.6.8151.2	ELC3.6.8151.3	ELC3.6.8151.4	ELC3.6.8151.5	ELC3.6.8151.6
1000 x 850	360 mm	ELC3.6.1831.1	ELC3.6.1831.2	ELC3.6.1831.3	ELC3.6.1831.4	ELC3.6.1831.5	ELC3.6.1831.6
	500 mm	ELC3.6.1851.1	ELC3.6.1851.2	ELC3.6.1851.3	ELC3.6.1851.4	ELC3.6.1851.5	ELC3.6.1851.6
1000 x 1000	360 mm	ELC3.6.1131.1	ELC3.6.1131.2	ELC3.6.1131.3	ELC3.6.1131.4	ELC3.6.1131.5	ELC3.6.1131.6
	500 mm	ELC3.6.1151.1	ELC3.6.1151.2	ELC3.6.1151.3	ELC3.6.1151.4	ELC3.6.1151.5	ELC3.6.1151.6
1050 x 1200	360 mm	ELC3.6.1231.1	ELC3.6.1231.2	ELC3.6.1231.3	ELC3.6.1231.4	ELC3.6.1231.5	ELC3.6.1231.6
	500 mm	ELC3.6.1251.1	ELC3.6.1251.2	ELC3.6.1251.3	ELC3.6.1251.4	ELC3.6.1251.5	ELC3.6.1251.6
1200 x 1050	360 mm	ELC3.6.2131.1	ELC3.6.2131.2	ELC3.6.2131.3	ELC3.6.2131.4	ELC3.6.2131.5	ELC3.6.2131.6
	500 mm	ELC3.6.2151.1	ELC3.6.2151.2	ELC3.6.2151.3	ELC3.6.2151.4	ELC3.6.2151.5	ELC3.6.2151.6
1200 x 1200	360 mm	ELC3.6.2231.1	ELC3.6.2231.2	ELC3.6.2231.3	ELC3.6.2231.4	ELC3.6.2231.5	ELC3.6.2231.6
	500 mm	ELC3.6.2251.1	ELC3.6.2251.2	ELC3.6.2251.3	ELC3.6.2251.4	ELC3.6.2251.5	ELC3.6.2251.6
1200 x 1350	360 mm	ELC3.6.2331.1	ELC3.6.2331.2	ELC3.6.2331.3	ELC3.6.2331.4	ELC3.6.2331.5	ELC3.6.2331.6
	500 mm	ELC3.6.2351.1	ELC3.6.2351.2	ELC3.6.2351.3	ELC3.6.2351.4	ELC3.6.2351.5	ELC3.6.2351.6
1350 x 1200	360 mm	ELC3.6.3231.1	ELC3.6.3231.2	ELC3.6.3231.3	ELC3.6.3231.4	ELC3.6.3231.5	ELC3.6.3231.6
	500 mm	ELC3.6.3251.1	ELC3.6.3251.2	ELC3.6.3251.3	ELC3.6.3251.4	ELC3.6.3251.5	ELC3.6.3251.6
1400 x 1400	360 mm	ELC3.6.4431.1	ELC3.6.4431.2	ELC3.6.4431.3	ELC3.6.4431.4	ELC3.6.4431.5	ELC3.6.4431.6
	500 mm	ELC3.6.4451.1	ELC3.6.4451.2	ELC3.6.4451.3	ELC3.6.4451.4	ELC3.6.4451.5	ELC3.6.4451.6

Functional profiles for storage shelves


Stopper edge
Top functional groove
erfi elneos connect

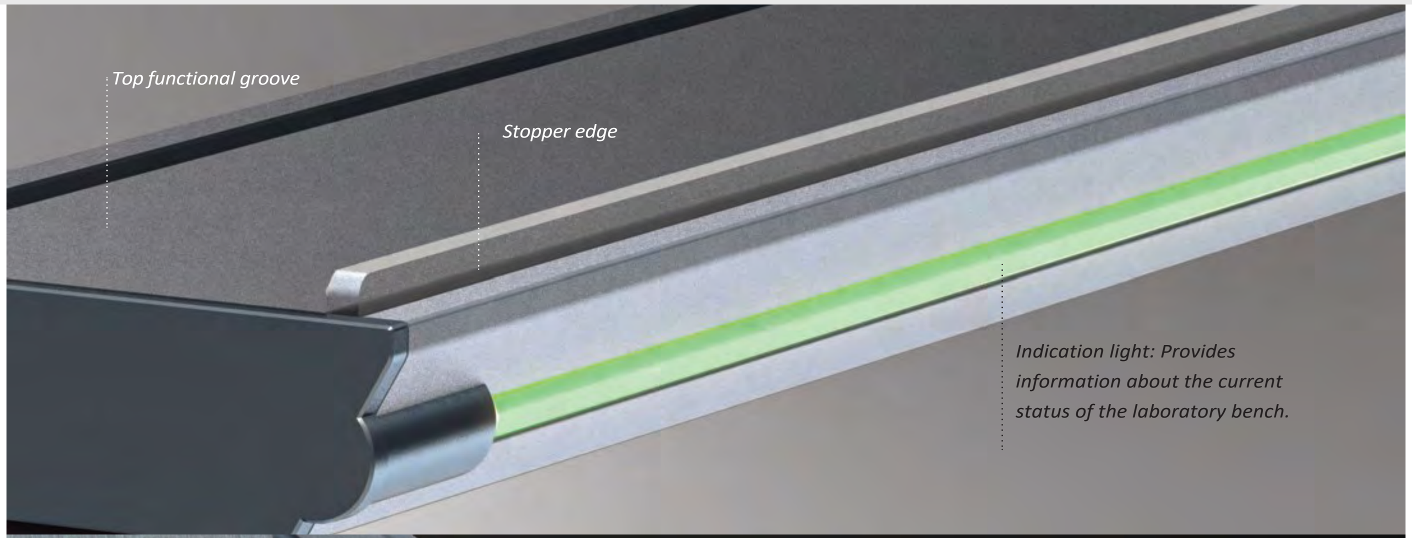
Top aluminum functional profile

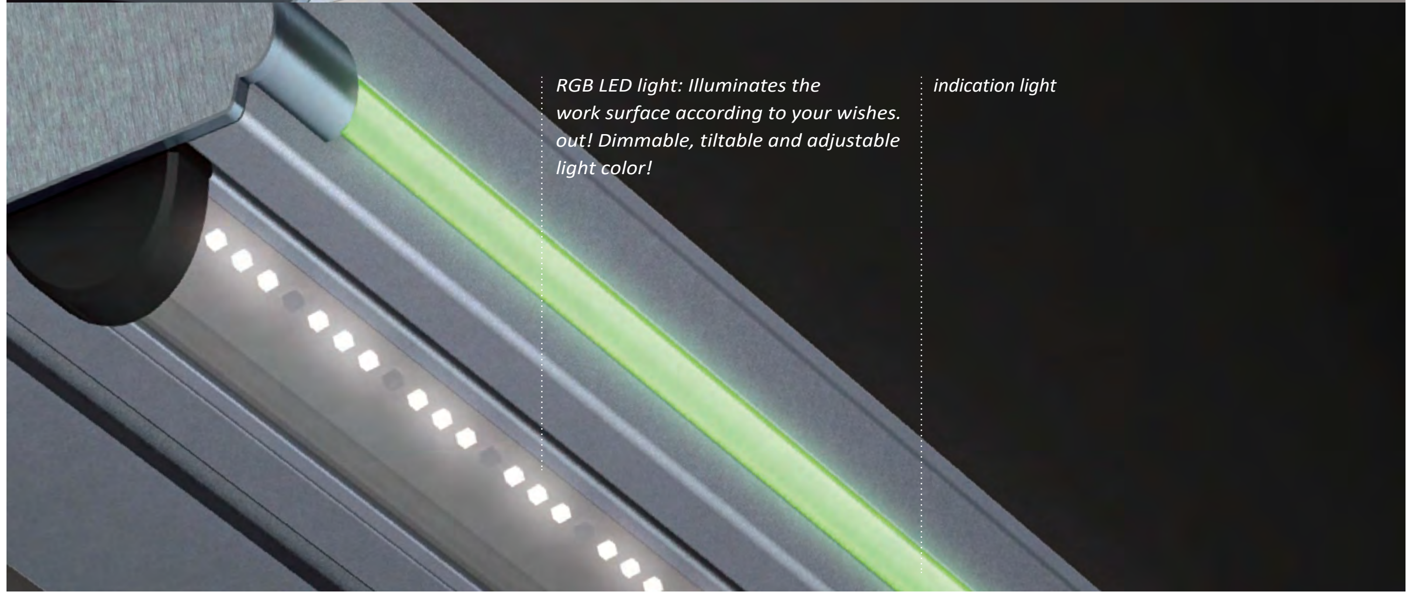
The Top front aluminum profile provides intelligent impact protection at shelf level and enables intelligent connections of many system components thanks to functional grooves on the top and bottom. The profile already has a front stopper edge as standard, which is particularly advantageous for tilting shelves and also forms a defined stop.

The functional profiles for storage shelves

The front edge of the shelf can also be fitted with two innovative aluminum profiles, Top and Toplight.

Top aluminum functional profile, front side	
Board length	**Order no.**
1,200 mm	ELC2.3.1200
1,600 mm	ELC2.3.1600
1,800 mm	ELC2.3.1800
2,000 mm	ELC2.3.2000


Top functional groove
Stopper edge
Indication light: Provides information about the current status of the laboratory bench.


RGB LED light: Illuminates the work surface according to your wishes. out! Dimmable, tiltable and adjustable light color!
indication light

Toplight aluminum functional profile

Like the Top profile, the Toplight profile has a functional groove on the top and bottom, as well as a stopper edge. The profile can optionally accommodate the new swivel-mounted and dimmable RGB LED light as well as the indication light on the front (see following pages). On the underside, the profile has a holder for the newly developed LED light family.

Toplight aluminum functional profile, front side	
Board length	**Order no.**
1,200 mm	ELC2.4.1200
1,600 mm	ELC2.4.1600
1,800 mm	ELC2.4.1800
2,000 mm	ELC2.4.2000

Basic version: without light

Option 1: LED luminaire with white LEDs; can be swiveled and dimmed using a contactless sensor.

Option 2: with additional RGB LEDs; light color can also be tuned using a second touchless sensor.

Option 3: with indication light; the indication light is located on the front of the aluminum profile and has its own intelligence. It always shows the current status of the laboratory bench and therefore significantly improves safety at the workplace.

Note: Order numbers for the LED lights and the indication light can found on the following pages.

LED workstation lights

Sensor-controlled LED task light The innovative task lights from *elneos connect* have been developed in such a way that they do not take up any additional space at the workplace and at the same time guarantee maximum benefit and comfort. Intelligent sensors take over complete control of the lighting technology. The luminaires can be switched and dimmed without contact - the light color and light climate are also adjusted without contact using the latest sensor technology.

A slight approach of the hand to the corresponding sensor causes the luminaire to adjust its color spectrum according to an intelligent algorithm. Once the desired light climate has been reached, the hand can be removed from the sensor and the luminaire retains the set color. The last set light climate is saved (memory effect). The new luminaires are based on modern LED technology. The in-house development of the luminaire family made new concepts possible and the in-house production of the luminaires at the Freudenstadt plant guarantees consistently high quality and the best service.

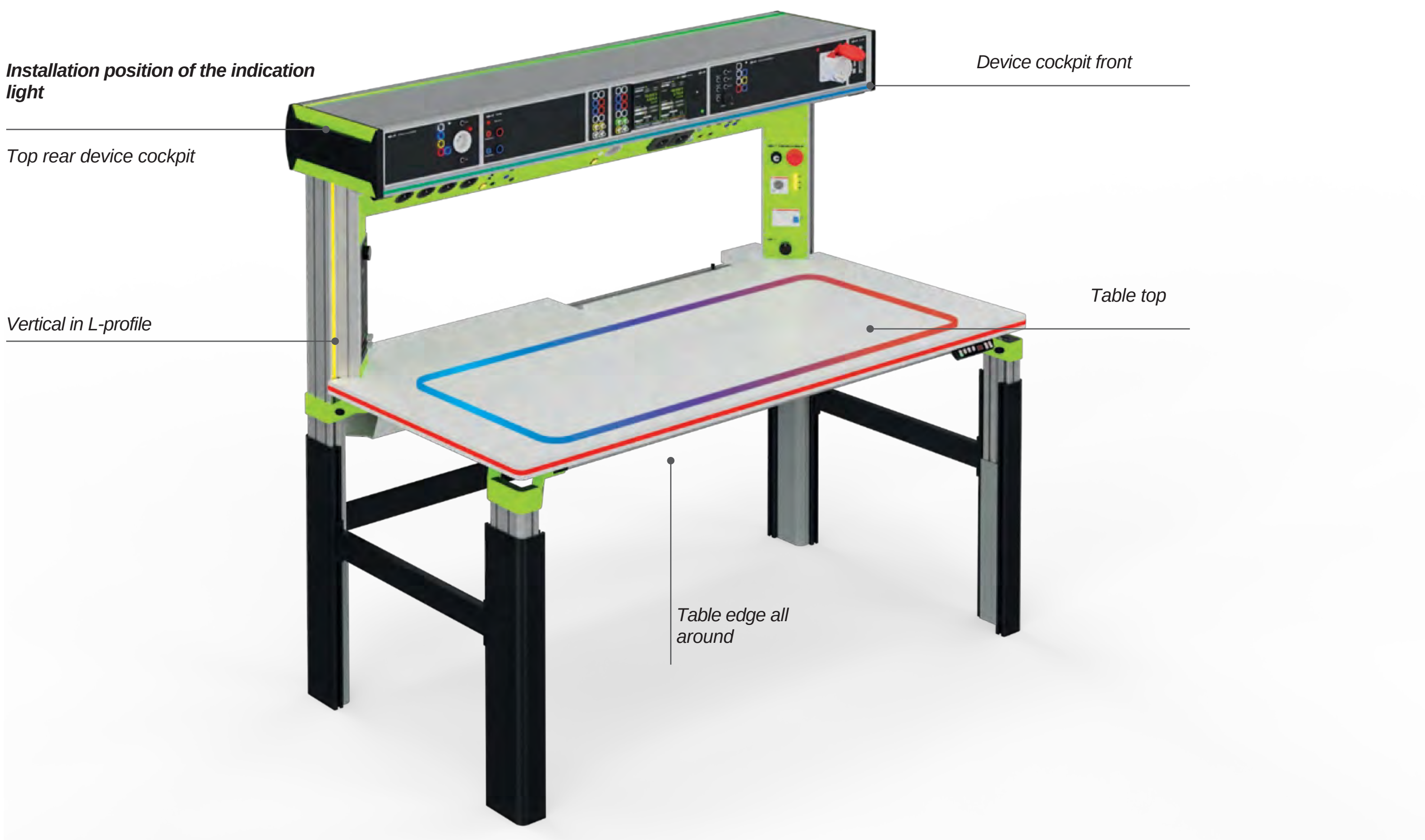
The lights are invisibly installed in the Toplight aluminum functional profile (see previous page), have an integrated glare shield and can be swiveled. No additional space is required underneath the shelf or appliance cockpit.

Special properties

- Invisible LED task light, built into the Toplight aluminum functional profile
- No loss of space under the board or cockpit
- Pivoting luminaire for optimum light control
- Integrated glare protection
- With white LEDs or with additional RGB LEDs (mixed configuration in each case with high-performance LEDs)
- Contactless sensor for switching & dimming
- Contactless sensor for controlling the light climate. An algorithm enables the desired light color to be set.
- Uniform, high-contrast and reflection-free illumination of the work surface without shadows thanks to premium LEDs, color-fast.
- Interface for external control via ^{I2C} bus interface. This means that the luminaire can also be controlled remotely via the new *elneos six* device series.
- Different length variants, matched to the respective table lengths.
- Can be retrofitted to the Toplight aluminum functional profile at any time.
- The luminaire body can also be used on its own without the Toplight aluminum functional profile, as the luminaire body consists of a compact aluminum profile.

Sensor-controlled RGB LED task light with white and RGB premium high-performance LEDs			
Table length	**Integrated in Toplight radio profile**	**Without functional profile Toplight**	• High-performance LEDs for high light output • Sensor-switchable, dimmable and swivel-mounted • Integrated glare protection • Additional sensor for controlling the light color • I^{2}C bus interface
1,200 mm	ELC2.7.1200.FA	ELC2.8.1200.F	
1,600 mm	ELC2.7.1600.FA	ELC2.8.1600.F	
1,800 mm	ELC2.7.1800.FA	ELC2.8.1800.F	
2,000 mm	ELC2.7.2000.FA	ELC2.8.2000.F	
Additional light strips for even better illumination: table length 1,200, 1,600, 2,000 mm, **order no.:** ELC2.ZLS			
Optionally with Bluetooth control+ erfi app: Order no.: ELC2.BT			

Intelligent Indication light



Example: Measured value display, display of the current value of voltage and current

Live measured value e.g. voltage current
Live measured value e.g.

Intelligent indication light
The indication light has a self-sufficient power supply and its own control electronics. This means that this important safety function works independently and faultlessly at all times. The indication light makes a decisive contribution to improving function and safety in the workplace.

Measured value visualization
Indication light with maximum flexibility - when function meets design!
The new indication lighting system can be integrated at any point in the workplace and, with its curved, elegant shape, adapts seamlessly to modern working environments. Whether horizontally across the entire table width on table superstructures, table tops or vertically, following curved shapes - this system offers unlimited flexibility and sets stylish accents.

The system can now even be installed in table surfaces at any
integrated into the site.

Innovative functions: Real-time measured value visualization for maximum precision
This advanced indication light system takes the display of measured values to a whole new level. It dynamically visualizes the live measured values of the *elneos six* device system in real time and without any delay - precise, reliable and clearly structured. Thanks to the direct connection to the modern data bus of the device system, current measured values are immediately displayed on the light strip. Whether as a dynamic running light, segmented bar display or continuous color gradient - the system offers a wide range of display options. Different colors and gradients ensure intuitive data acquisition.

... with status and live measured value display

Example: Measured value display, display / monitoring of limit values

Minimum value e.g. blue
Live measured value
Maximum value e.g. red

Safety redefined: Limit value monitoring with visual feedback
The indication light system not only offers an impressive display of real-time data, but also makes a significant contribution to increasing workplace safety. It visualizes minimum and maximum values on the light strip and enables the user to keep an eye on the current situation at all times. If limit values are exceeded, the system warns with colored signals - flashing in specific colors immediately informs about potential dangers.
More safety and control in the workplace With the new real-time measured value monitoring, this indication light sets new standards for safety and efficiency in the workplace. Thanks to its intelligent visualization and flexible mounting options, it not only ensures a modern, tidy and safe working environment, but also provides a high level of safety.

appearance, but also for maximum safety and control.

Order note

Please replace the "x" with the desired
Replace connection A, B or C! Please
replace the "y" with the desired
Replace installation position 1, 2, 3, 4, 5, 6, 7, 8 or 9!

RBG LED indication light	
Horizontal installation position 1 - 8	
Table lengths	
1,200 mm	ELC2.9.1200.I.x.y
1,600 mm	ELC2.9.1600.I.x.y
1,800 mm	ELC2.9.1800.I.x.y
2,000 mm	ELC2.9.2000.I.x.y
Vertical installation position 9	
Table heights	
1,200 mm	ELC2.9.1200.IV.x.y
1,400 mm	ELC2.9.1400.IV.x.y
1,600 mm	ELC2.9.1600.IV.x.y
1,800 mm	ELC2.9.1800.IV.x.y
2,000 mm	ELC2.9.2000.IV.x.y

Table status display
The indication light can inform the user and others about the current status of the laboratory workstation in parallel with the measured value visualization (uniform illumination). However, pulsing and flashing are also possible as well as the display of a pressed emergency stop.

Example states of the indication colors
Normal state: Laboratory table is
is switched on and operates normally.
Danger: e.g. limit values exceeded (voltage/current limit values of multimeters, generators, etc.).
Device statuses: Devices with
Low voltage are enabled.
Device statuses:
Devices with extra-low voltage and low voltage
are enabled.

The indication light from erfi - the indispensable Security solution that takes your workplace to the next level!

Connection options for the indication light A=
Table statuses: Normal, Danger, Device status
de (extra-low voltage, low and extra-low voltage)
B= Measured value visualization in conjunction with the *elneos six* control center
C = Own control: the colors red, green and blue are led out to safety laboratory sockets

Installation position of the indication light

1. Table edge at the front
2. Table edge all around
3. Table top
4. Device structure top side, rear
5. Device structure front side
6. Device cockpit top side, rear
7. Device cockpit front
8. Front shelf
9. Vertical in L-profile (aluminum base profile) left and right

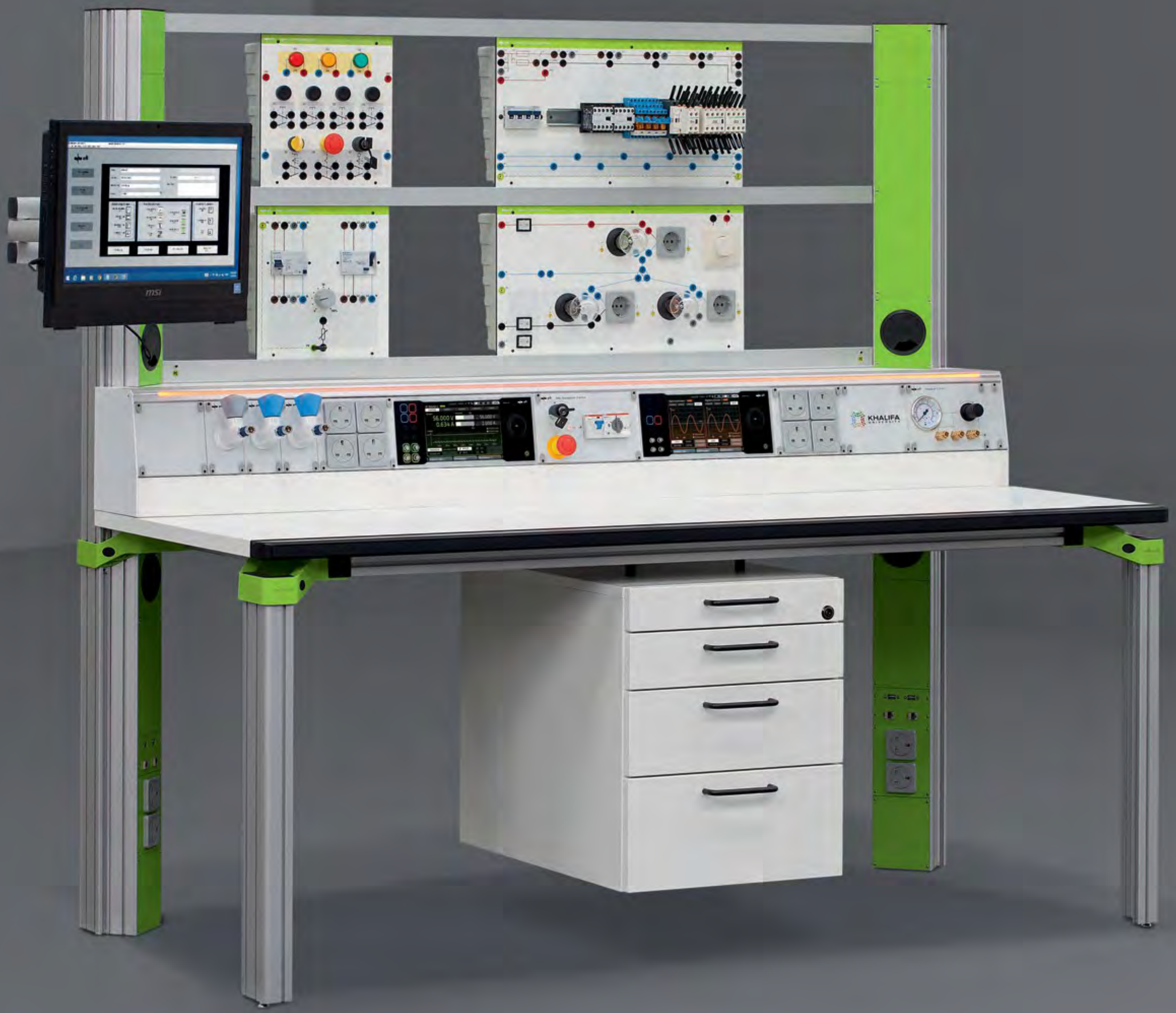


Figure 1:
Table with 19-inch / 3 U table structure, inclined 10° (option).
Integrated RGB indication light at the front across the entire width of the laboratory bench (option).
Table-top structure equipped with the elneos six control center with 8-inch multi-touch display, among other things,
3D gesture control and voice control.

19" desk superstructures made of wood /laminate

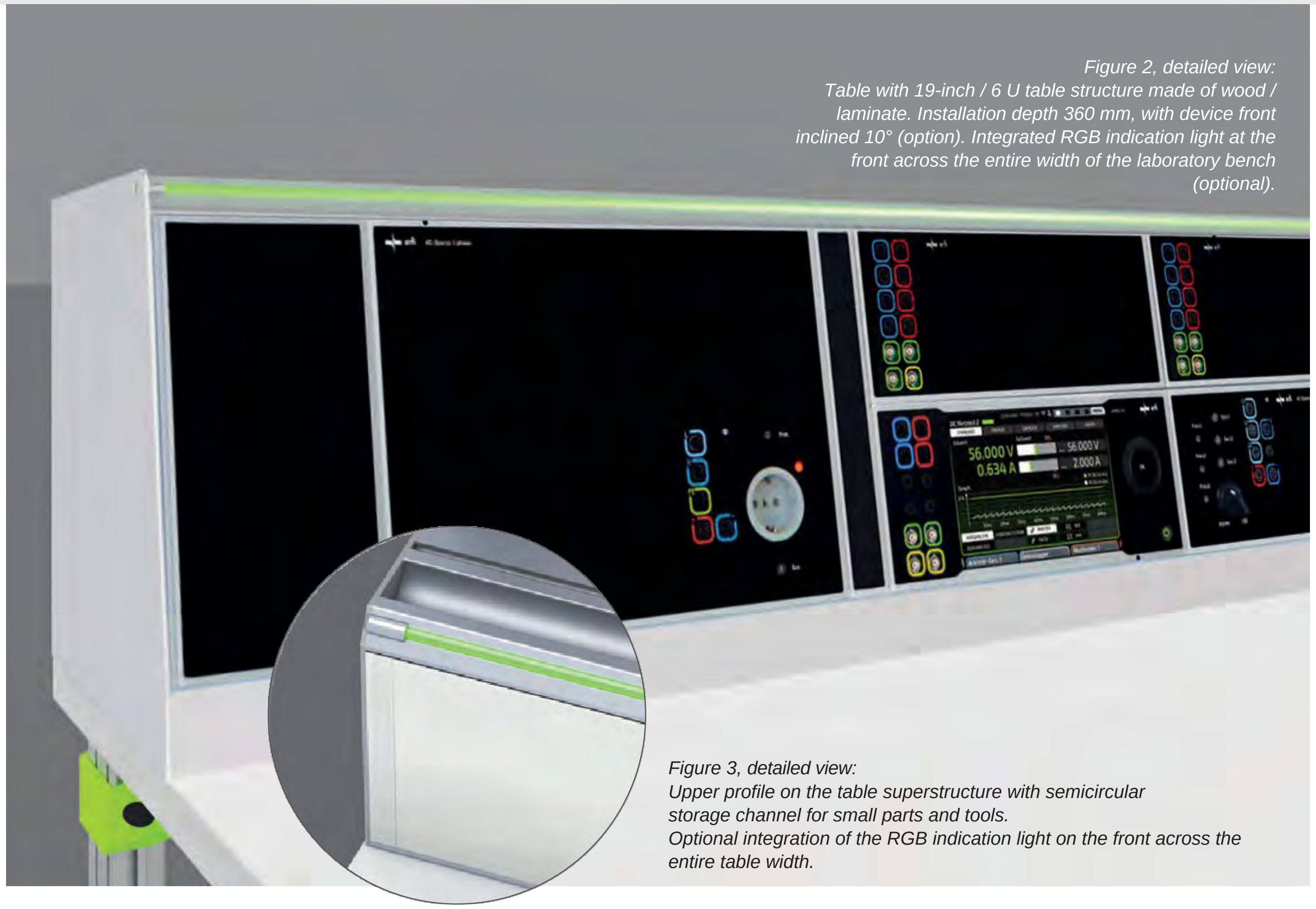


Figure 2, detailed view:
Table with 19-inch / 6 U table structure made of wood / laminate. Installation depth 360 mm, with device front inclined 10° (option). Integrated RGB indication light at the front across the entire width of the laboratory bench (optional).

Figure 3, detailed view:
Upper profile on the table superstructure with semicircular storage channel for small parts and tools.
Optional integration of the RGB indication light on the front across the entire table width.

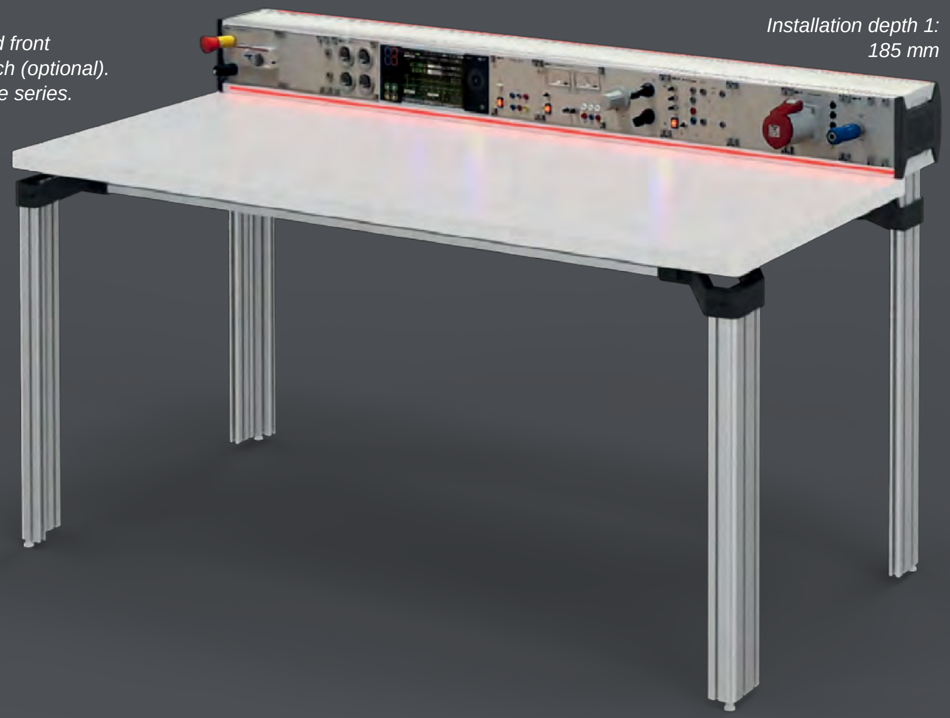
19-inch desk superstructures 3 U and 6 U
Suitable for all standardized 19-inch device systems; incl. front-side aluminium function profile at the top. The aluminum profile has a semicircular storage channel on the top, which is ideal for small parts and tools.

Top panel and base panel are made of wood / laminate. The table superstructures include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks.
Standardized plug connectors according to DIN 41612 type H 15.

19-inch desk superstructures 3 U and 6 U					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm)		**Height 6 U** (H total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1,200 mm / 235 TE	270 mm	ELC4.3.1221	ELC4.3.1222	ELC4.4.1221	ELC4.4.1222
	360 mm	ELC4.3.1231	ELC4.3.1232	ELC4.4.1231	ELC4.4.1232
	500 mm	ELC4.3.1251	ELC4.3.1252	ELC4.4.1251	ELC4.4.1252
1,600 mm / 313 TE	270 mm	ELC4.3.1621	ELC4.3.1622	ELC4.4.1621	ELC4.4.1622
	360 mm	ELC4.3.1631	ELC4.3.1632	ELC4.4.1631	ELC4.4.1632
	500 mm	ELC4.3.1651	ELC4.3.1652	ELC4.4.1651	ELC4.4.1652
1,800 mm / 353 TE	270 mm	ELC4.3.1821	ELC4.3.1822	ELC4.4.1821	ELC4.4.1822
	360 mm	ELC4.3.1831	ELC4.3.1832	ELC4.4.1831	ELC4.4.1832
	500 mm	ELC4.3.1851	ELC4.3.1852	ELC4.4.1851	ELC4.4.1852
2,000 mm / 392 TE	270 mm	ELC4.3.2021	ELC4.3.2022	ELC4.4.2021	ELC4.4.2022
	360 mm	ELC4.3.2031	ELC4.3.2032	ELC4.4.2031	ELC4.4.2032
	500 mm	ELC4.3.2051	ELC4.3.2052	ELC4.4.2051	ELC4.4.2052
Device front inclined 10°, order no. ELC4.5.0001 (independent of size)					

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

Figure 1:
Table with 19-inch / 3 U aluminum table structure.
Installation depth 1 = 185 mm with side color accent in grey RAL DESIGN 5500.
Integrated RGB indication light at the top and front across the entire width of the laboratory bench (optional).
Table top equipped with the elneos six device series.



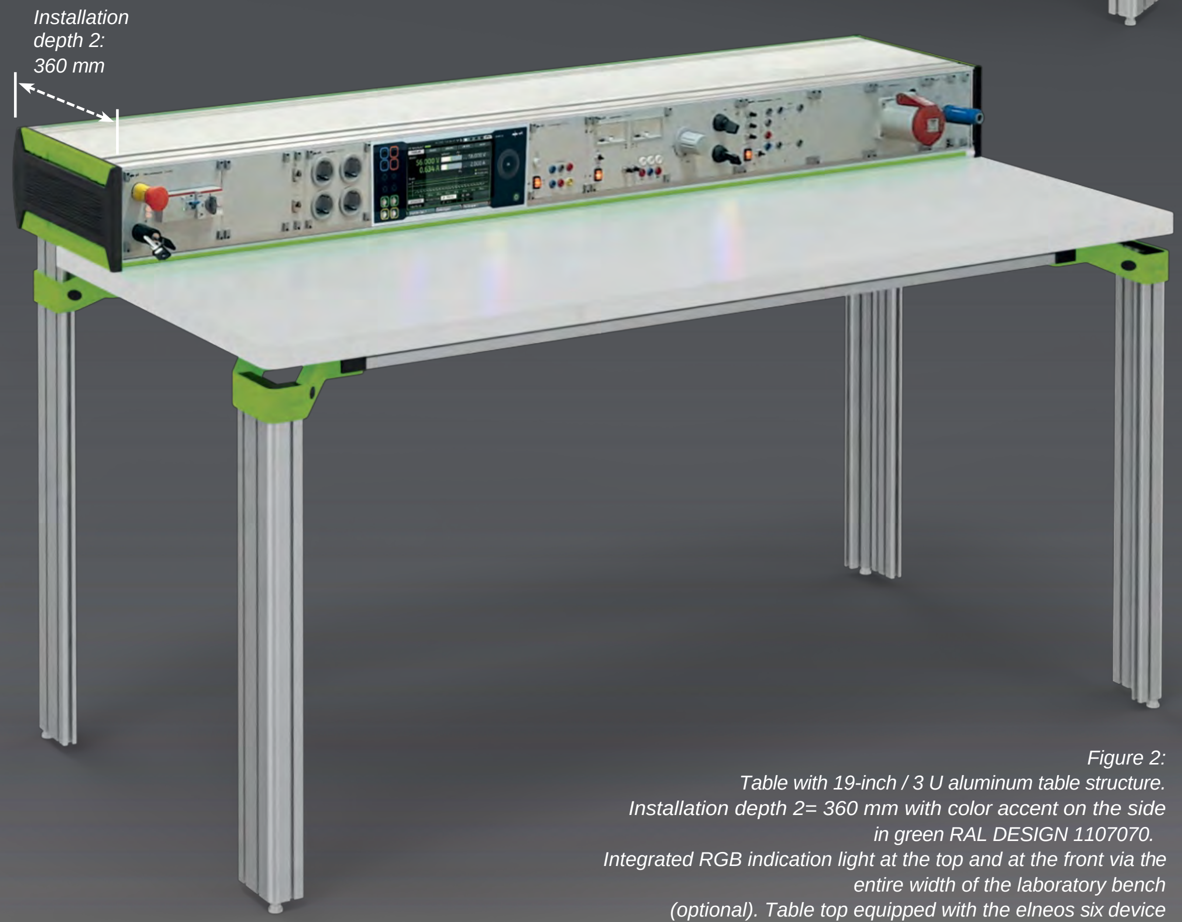


Figure 2:
Table with 19-inch / 3 U aluminum table structure.
Installation depth 2= 360 mm with color accent on the side in green RAL DESIGN 1107070.
Integrated RGB indication light at the top and at the front via the entire width of the laboratory bench (optional). Table top equipped with the elneos six device series.

19" table superstructures made from aluminum

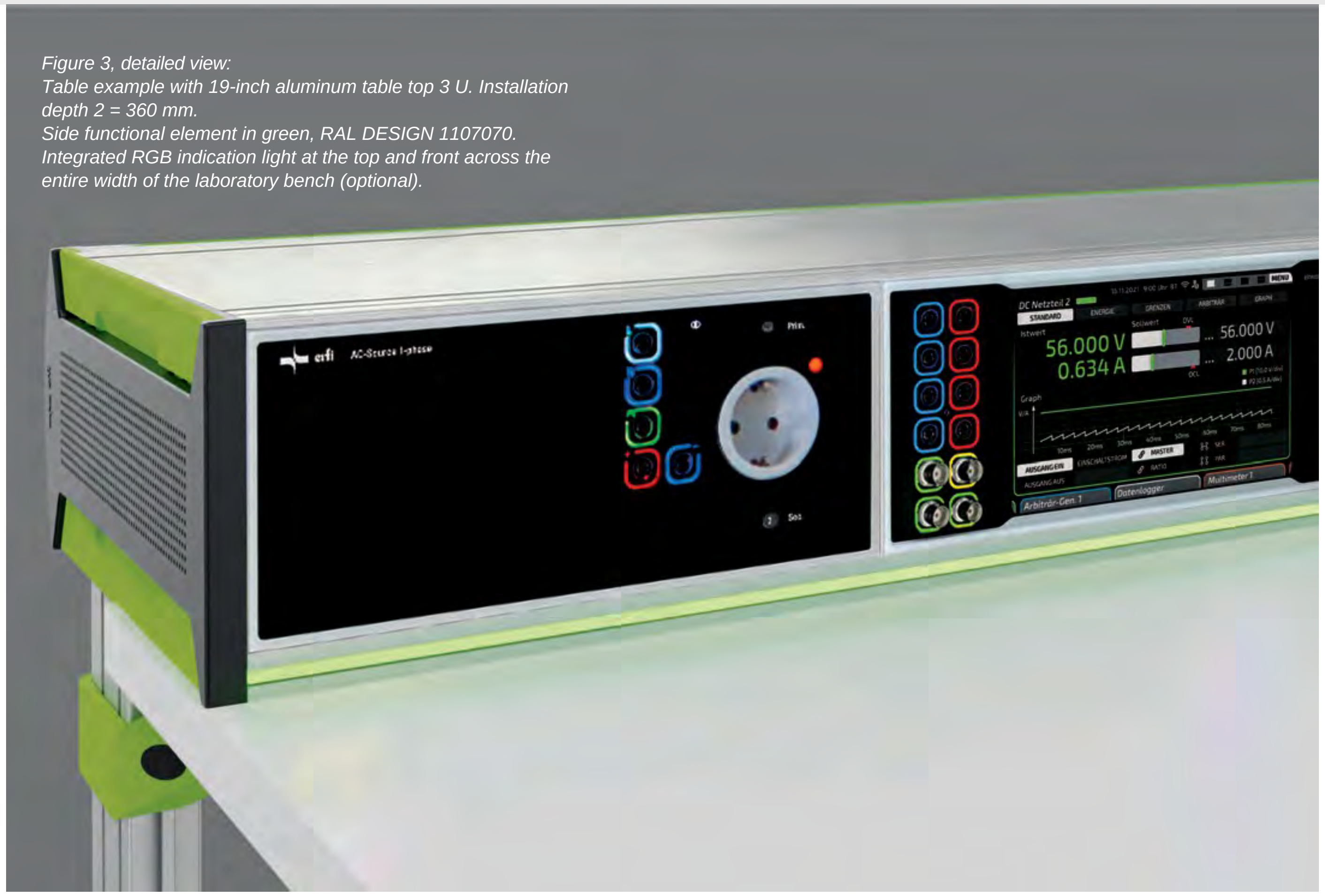


Figure 3, detailed view:
Table example with 19-inch aluminum table top 3 U. Installation depth 2 = 360 mm.
Side functional element in green, RAL DESIGN 1107070.
Integrated RGB indication light at the top and front across the entire width of the laboratory bench (optional).

19-inch aluminum table tops 3 U The 19-inch aluminum table tops are designed to accommodate all 3 U devices from the device series *elneos six, elneos five* and *basic*. They include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch part racks in accordance with the DIN 41494 Part 5 standard. Part racks are supplied via standardized plug connectors in accordance with DIN 41612 type H 15.

The side functional elements include a ventilation system that ensures sufficient air flow even when they are lined up! The side functional elements are available in green or gray.

Lighting

The RGB LED indicator lights can be installed either in the top in the front of the aluminum housing (for ordering information, see page 108).

19-inch aluminum table tops 3 U (H total 156 mm)

		between L-profiles / expansion profile 1			across the entire table width		
Table width	**Color accent***	**Length aluminum channel/BK****	**Installation depth = 185 mm**	**Installation depth = 360 mm**	**Length aluminum channel/BK****	**Installation depth = 185 mm**	**Installation depth = 360 mm**
1,200 mm	green	1,069 mm / 204 TE	ELC4.6.5.1200.1	ELC4.6.6.1200.1	1,200 mm / 230 TE	ELC4.6.3.1200.1	ELC4.6.4.1200.1
	gray		ELC4.6.5.1200.2	ELC4.6.6.1200.2		ELC4.6.3.1200.2	ELC4.6.4.1200.2
1,600 mm	green	1,469 mm / 283 TE	ELC4.6.5.1600.1	ELC4.6.6.1600.1	1,600 mm / 309 TE	ELC4.6.3.1600.1	ELC4.6.4.1600.1
	gray		ELC4.6.5.1600.2	ELC4.6.6.1600.2		ELC4.6.3.1600.2	ELC4.6.4.1600.2
1,800 mm	green	1,669 mm / 322 TE	ELC4.6.5.1800.1	ELC4.6.6.1800.1	1,800 mm / 348 TE	ELC4.6.3.1800.1	ELC4.6.4.1800.1
	gray		ELC4.6.5.1800.2	ELC4.6.6.1800.2		ELC4.6.3.1800.2	ELC4.6.4.1800.2
2,000 mm	green	1,869 mm / 362 TE	ELC4.6.5.2000.1	ELC4.6.6.2000.1	2,000 mm / 387 TE	ELC4.6.3.2000.1	ELC4.6.4.2000.1
	gray		ELC4.6.5.2000.2	ELC4.6.6.2000.2		ELC4.6.3.2000.2	ELC4.6.4.2000.2

* green= RAL DESIGN 1107070, gray= RAL DESIGN 5500,
** BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

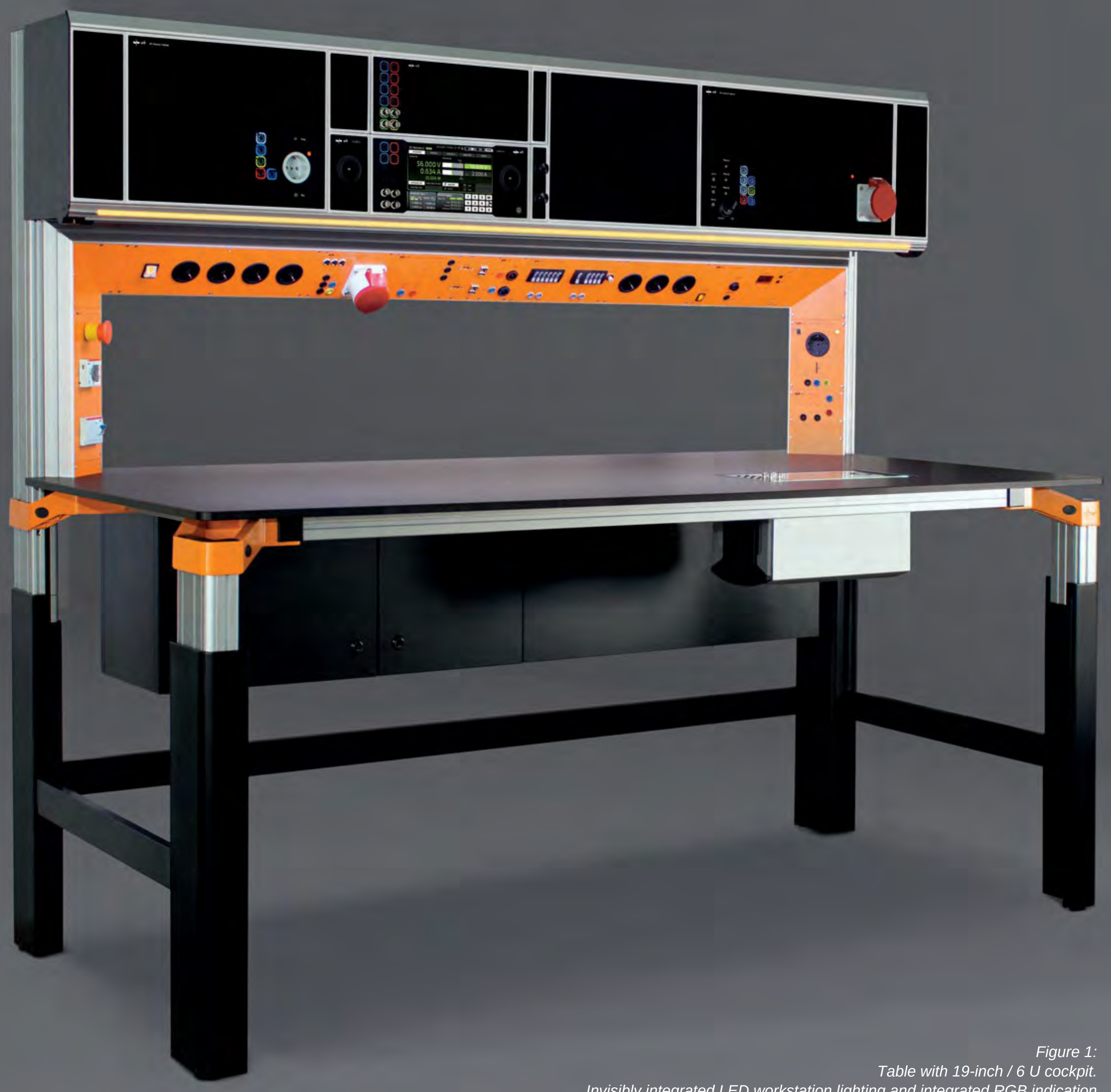


Figure 1:
Table with 19-inch / 6 U cockpit.
Invisibly integrated LED workstation lighting and integrated RGB indication light across the entire width of the laboratory bench (options). Table top equipped with the elneos six appliance series (complete glass appliance front).

19" cockpits made of wood / laminate

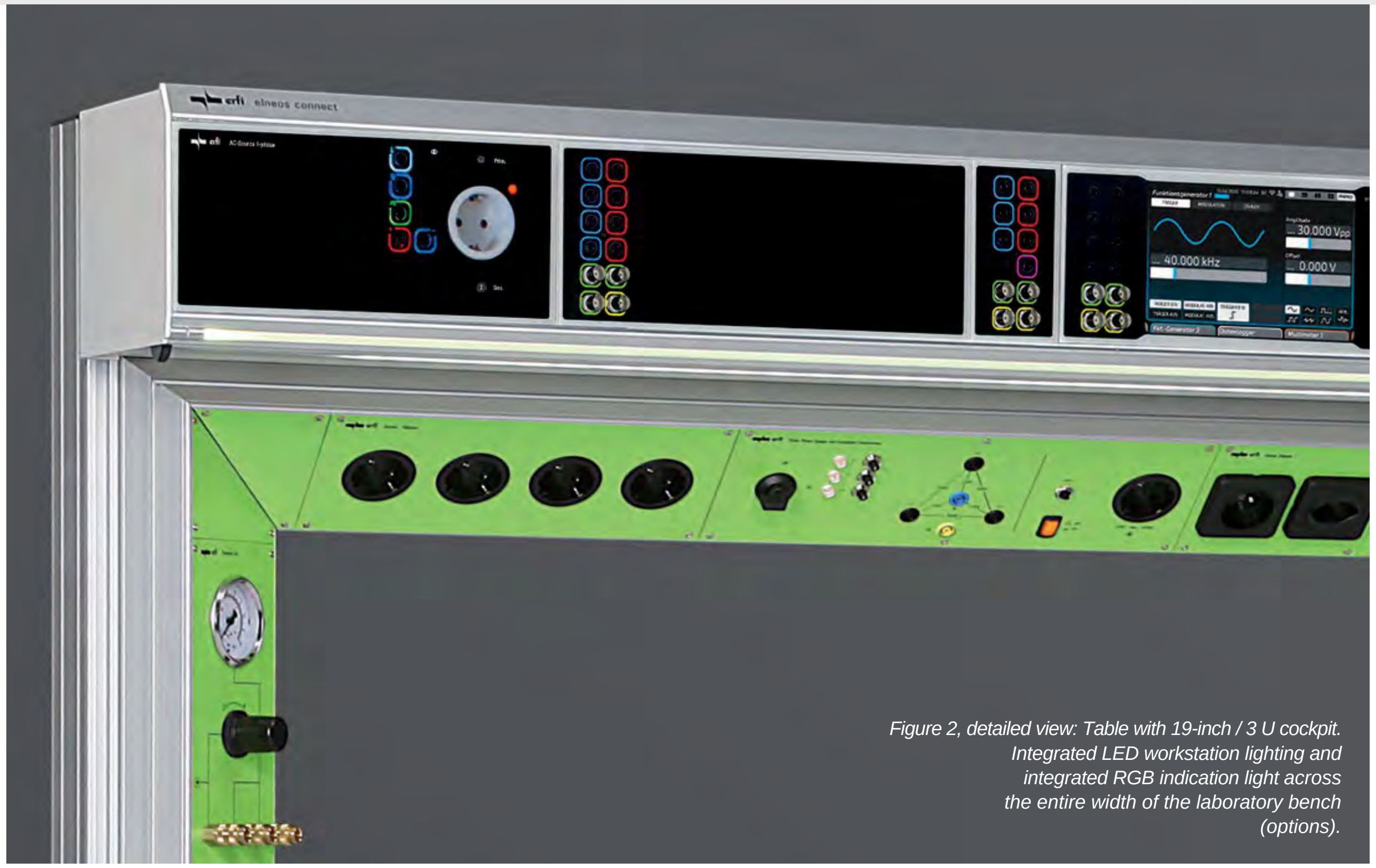


Figure 2, detailed view: Table with 19-inch / 3 U cockpit. Integrated LED workstation lighting and integrated RGB indication light across the entire width of the laboratory bench (options).

19-inch cockpits 3 U and 6 U
Suitable for all standardized 19-inch device systems; incl. Top and Toplight aluminium functional profiles on the front to accommodate the RGB LED lights and indication lighting.

The top and bottom panels are made of wood / laminate. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized plug connectors in accordance with DIN 41612 type H 15.

19-inch cockpits 3 and 6 U

Length/BK*	**Depth**	**Height 3 U** (H total 172 mm)		**Height 6 U** (H total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1,200 mm / 235 TE	270 mm	ELC4.1.1221	ELC4.1.1222	ELC4.2.1221	ELC4.2.1222
	360 mm	ELC4.1.1231	ELC4.1.1232	ELC4.2.1231	ELC4.2.1232
	500 mm	ELC4.1.1251	ELC4.1.1252	ELC4.2.1251	ELC4.2.1252
1,600 mm / 313 TE	270 mm	ELC4.1.1621	ELC4.1.1622	ELC4.2.1621	ELC4.2.1622
	360 mm	ELC4.1.1631	ELC4.1.1632	ELC4.2.1631	ELC4.2.1632
	500 mm	ELC4.1.1651	ELC4.1.1652	ELC4.2.1651	ELC4.2.1652
1,800 mm / 353 TE	270 mm	ELC4.1.1821	ELC4.1.1822	ELC4.2.1821	ELC4.2.1822
	360 mm	ELC4.1.1831	ELC4.1.1832	ELC4.2.1831	ELC4.2.1832
	500 mm	ELC4.1.1851	ELC4.1.1852	ELC4.2.1851	ELC4.2.1852
2,000 mm / 392 TE	270 mm	ELC4.1.2021	ELC4.1.2022	ELC4.2.2021	ELC4.2.2022
	360 mm	ELC4.1.2031	ELC4.1.2032	ELC4.2.2031	ELC4.2.2032
	500 mm	ELC4.1.2051	ELC4.1.2052	ELC4.2.2051	ELC4.2.2052
Device front inclined 10°, order no. ELC4.3.0001 (independent of size)					

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

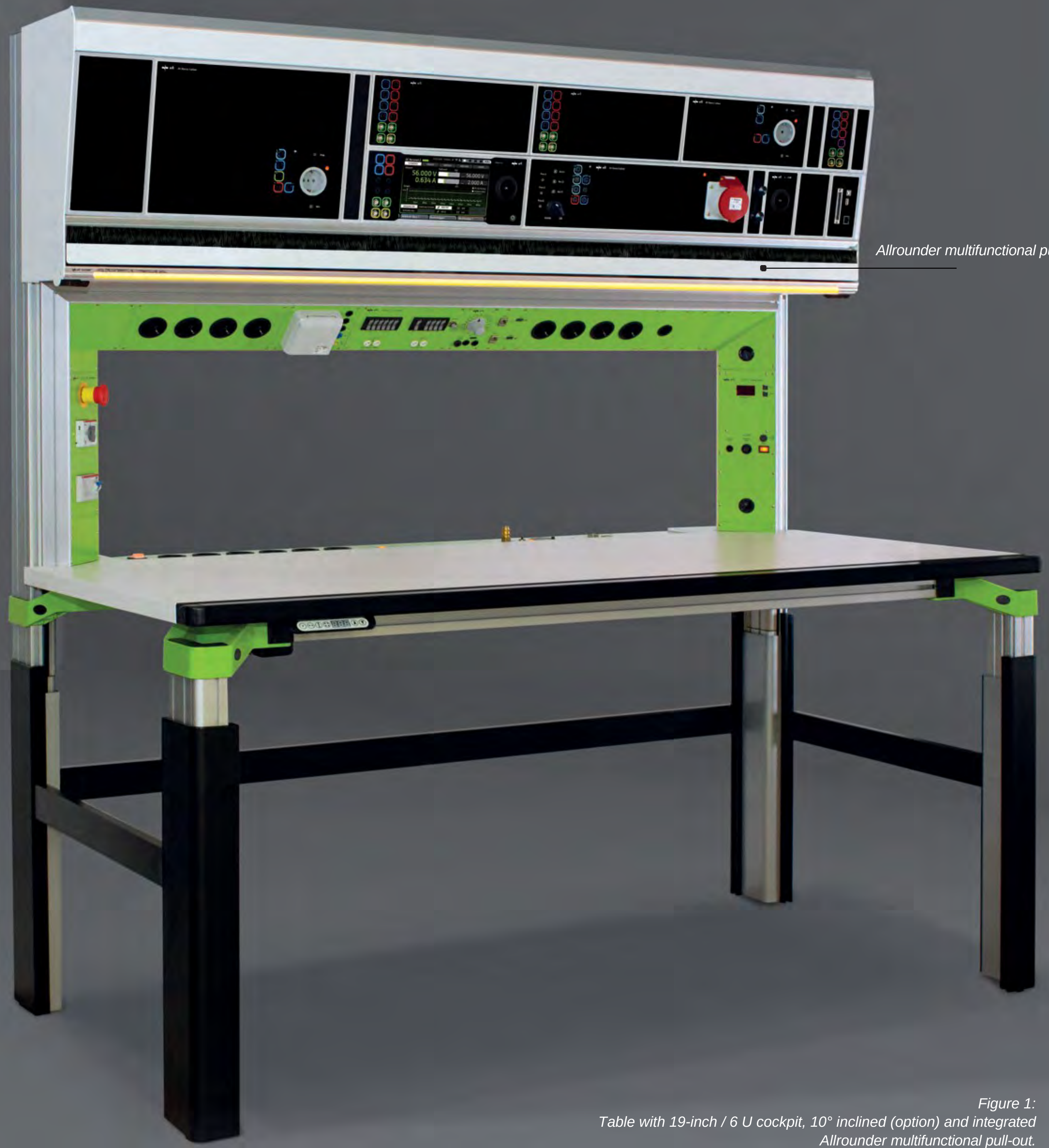


Figure 1:
Table with 19-inch / 6 U cockpit, 10° inclined (option) and integrated Allrounder multifunctional pull-out.

Allrounder Multifunctional pull-out

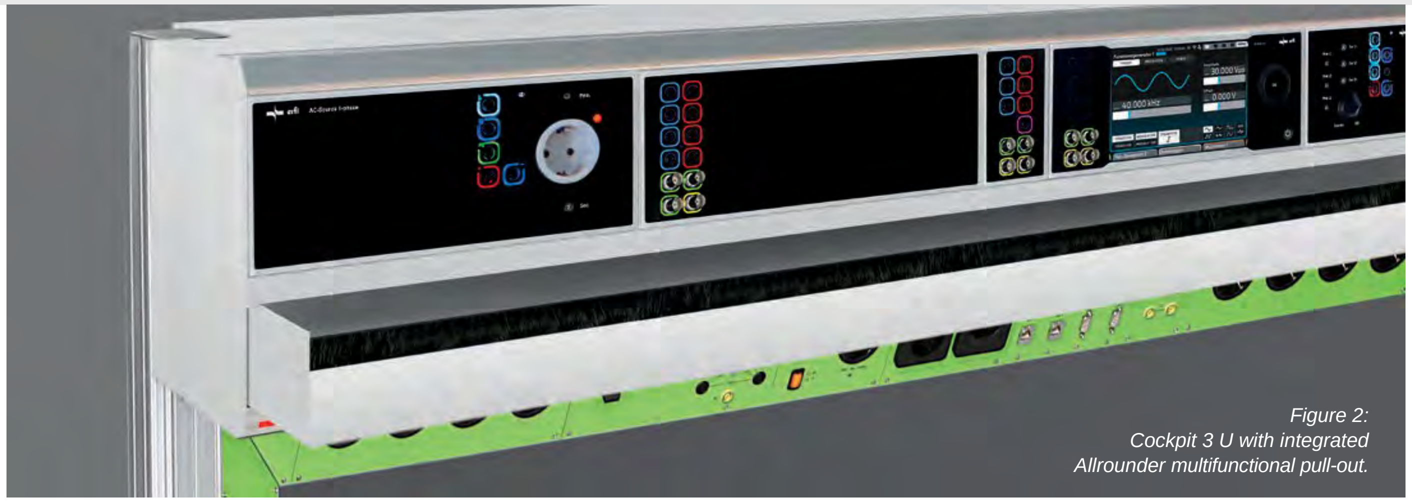


Figure 2:
Cockpit 3 U with integrated Allrounder multifunctional pull-out.

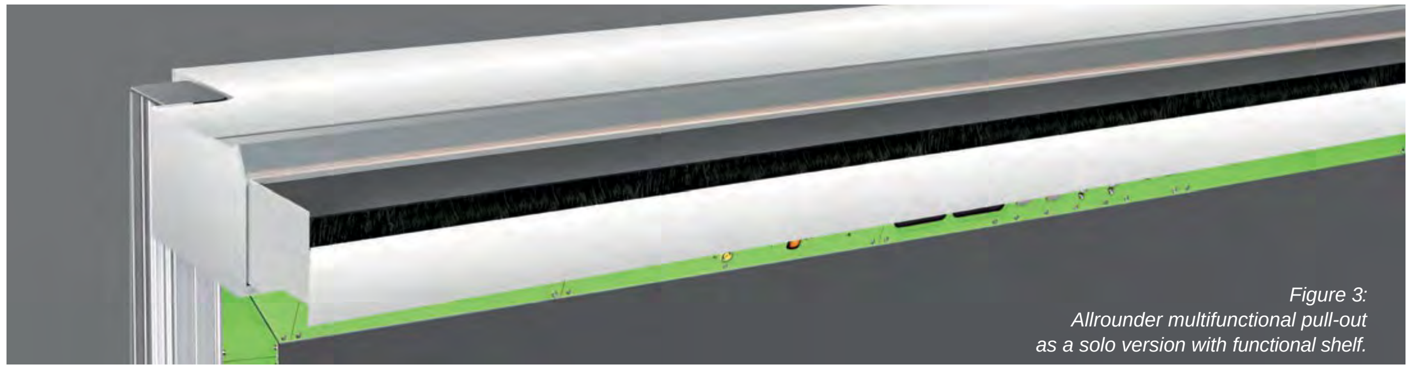


Figure 3:
Allrounder multifunctional pull-out as a solo version with functional shelf.

Allrounder multifunctional pull-out
The Allrounder multifunctional pull-out is integrated into the appliance cockpit and thus forms a single unit.

It is alternatively available as a solo version, incl. functional shelf on the top. The Toplight aluminum functional profile on the underside can be ordered as an option to accommodate the LED workstation lighting and the RGB indication light.

Features of the all-rounder

- Very simple media routing to the built-in appliances and into the rear aluminum base profiles
- Keeps the workplace tidy
- For professional tool storage, media storage, media management and much more.
- Easy to open and good accessibility
- With high-quality guide, with brush strip at the front
- Lockable on the underside, thus securing valuable tools and other valuables
- Allrounder multifunctional pull-out dimensions: H: 75 mm x usable depth 130 mm.
  The cockpit is raised by 85 mm in combination with the Allrounder. The solo version has an overall height of 113 mm.

Allrounder multifunctional pull-out		
Length	**integrated in the cockpit 3 U or 6 U**	**Solo with functional shelf**
1,200 mm	ELC4.7.1.1200	ELC4.7.2.1200
1,600 mm	ELC4.7.1.1600	ELC4.7.2.1600
1,800 mm	ELC4.7.1.1800	ELC4.7.2.1800
2,000 mm	ELC4.7.1.2000	ELC4.7.2.2000
Tool holder , order no. ELC4.7.WH (regardless of size) for mounting in the Allrounder, for professional tool storage		

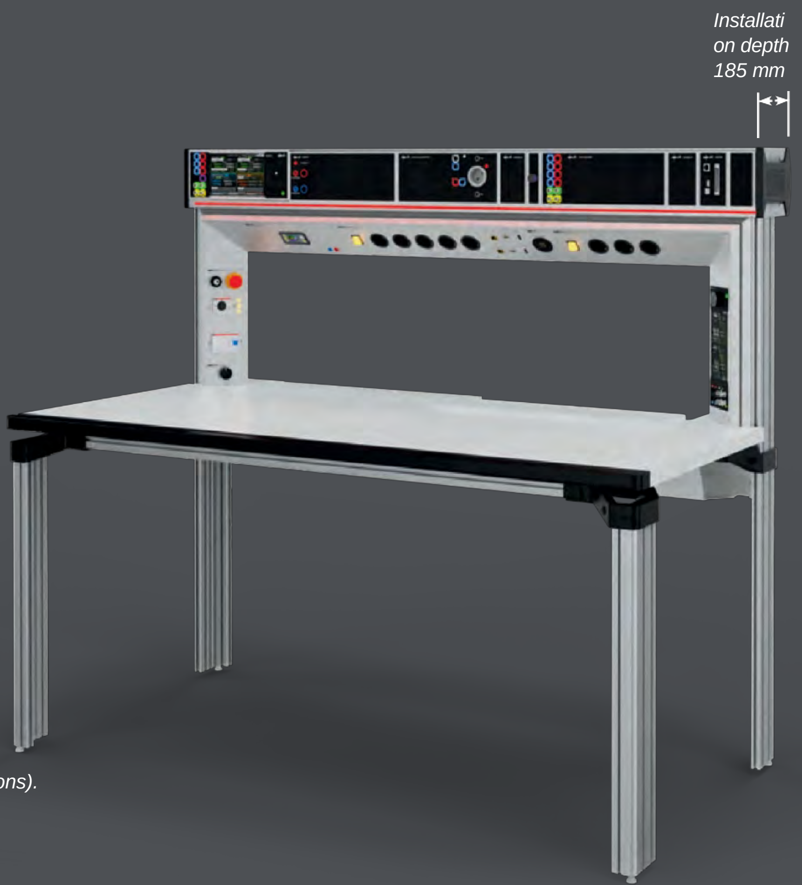


Figure 1:
Table with 19-inch / 3 U aluminum cockpit.
Installation depth 1 = 185 mm with side color accent in grey RAL DESIGN 5500.
Invisibly integrated LED workstation lighting and integrated RGB indication light across the entire width of the laboratory bench (options).
Table top equipped with the elneos six appliance series.

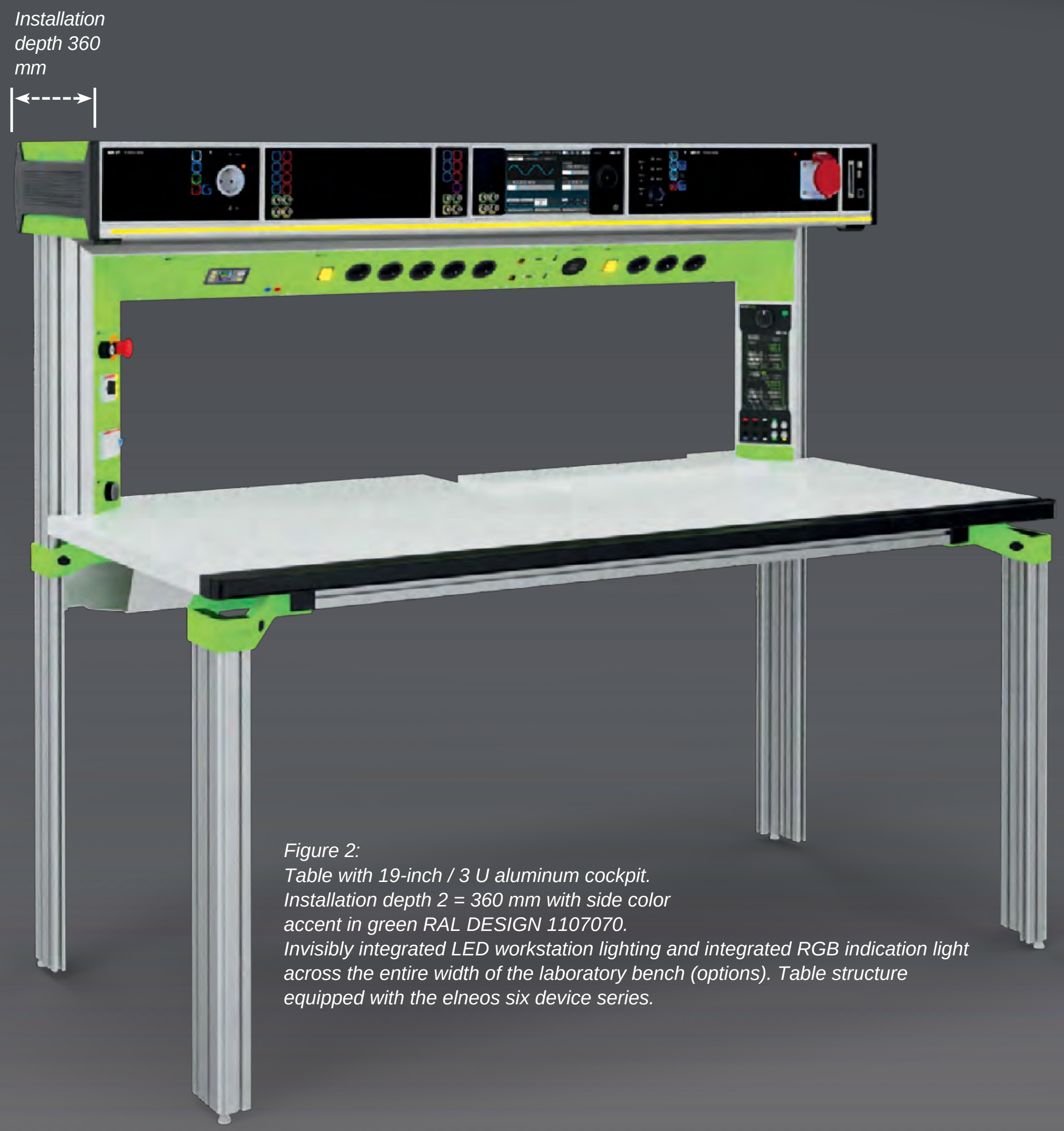


Figure 2:
Table with 19-inch / 3 U aluminum cockpit.
Installation depth 2 = 360 mm with side color accent in green RAL DESIGN 1107070.
Invisibly integrated LED workstation lighting and integrated RGB indication light across the entire width of the laboratory bench (options). Table structure equipped with the elneos six device series.

19" cockpits made from aluminum

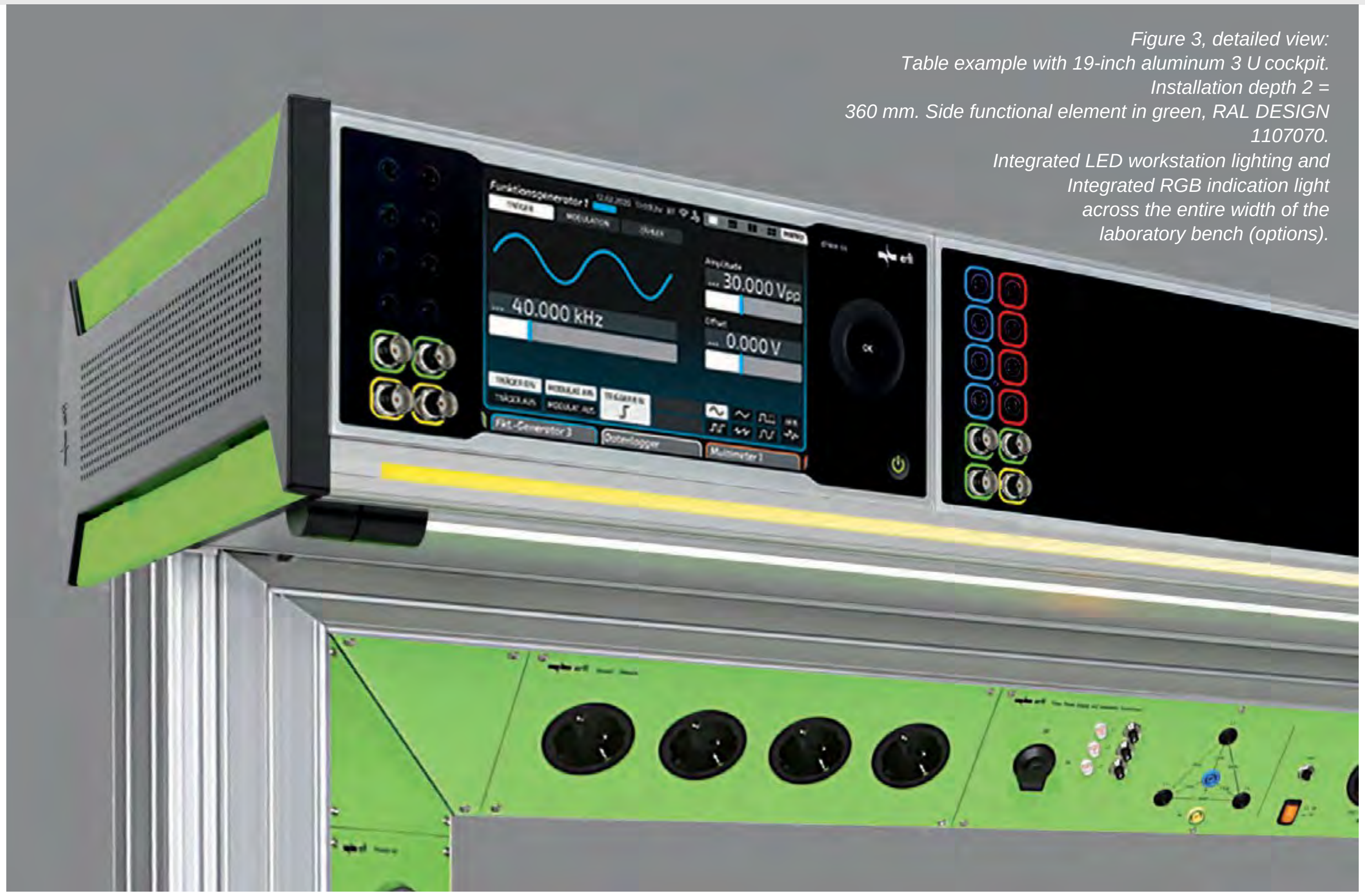


Figure 3, detailed view:
Table example with 19-inch aluminum 3 U cockpit.
Installation depth 2 = 360 mm. Side functional element in green, RAL DESIGN 1107070.
Integrated LED workstation lighting and Integrated RGB indication light across the entire width of the laboratory bench (options).

19-inch aluminum cockpits 3 U
The 19-inch aluminum cockpits are designed to accommodate all 3 U devices from the *elneos six*, *elneos five* and *basic* device series. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch plug-in units in accordance with DIN 41494 Part 5 standard. Plug-in units are supplied via standardized connectors in accordance with DIN 41612 type H 15.

The side functional elements contain a ventilation system that can also be used when the rows for sufficient air flow! The side functional elements are available in green or gray.

Lighting
The RGB LED indicator lights can be installed either in the top or in the front of the aluminum housing. The modern and sensor-controlled RGB LED workstation light from the *elneos connect* workstation series is concealed in the underside of the cockpit (ordering information can be found from page 107).

19-inch aluminum cockpits 3 U (H total 156 mm)

Length / BK *	Color accent on the side	Installation depth 1= 185 mm	Installation depth 2= 360 mm
1,200 mm / 230 TE	green RAL DESIGN 1107070	ELC4.6.1.1200.1	ELC4.6.2.1200.1
	gray RAL DESIGN 5500	ELC4.6.1.1200.2	ELC4.6.2.1200.2
1,600 mm / 309 TE	green RAL DESIGN 1107070	ELC4.6.1.1600.1	ELC4.6.2.1600.1
	gray RAL DESIGN 5500	ELC4.6.1.1600.2	ELC4.6.2.1600.2
1,800 mm / 348 TE	green RAL DESIGN 1107070	ELC4.6.1.1800.1	ELC4.6.2.1800.1
	gray RAL DESIGN 5500	ELC4.6.1.1800.2	ELC4.6.2.1800.2
2,000 mm / 387 TE	green RAL DESIGN 1107070	ELC4.6.1.2000.1	ELC4.6.2.2000.1
	gray RAL DESIGN 5500	ELC4.6.1.2000.2	ELC4.6.2.2000.2

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

19" desktop superstructures in basic design

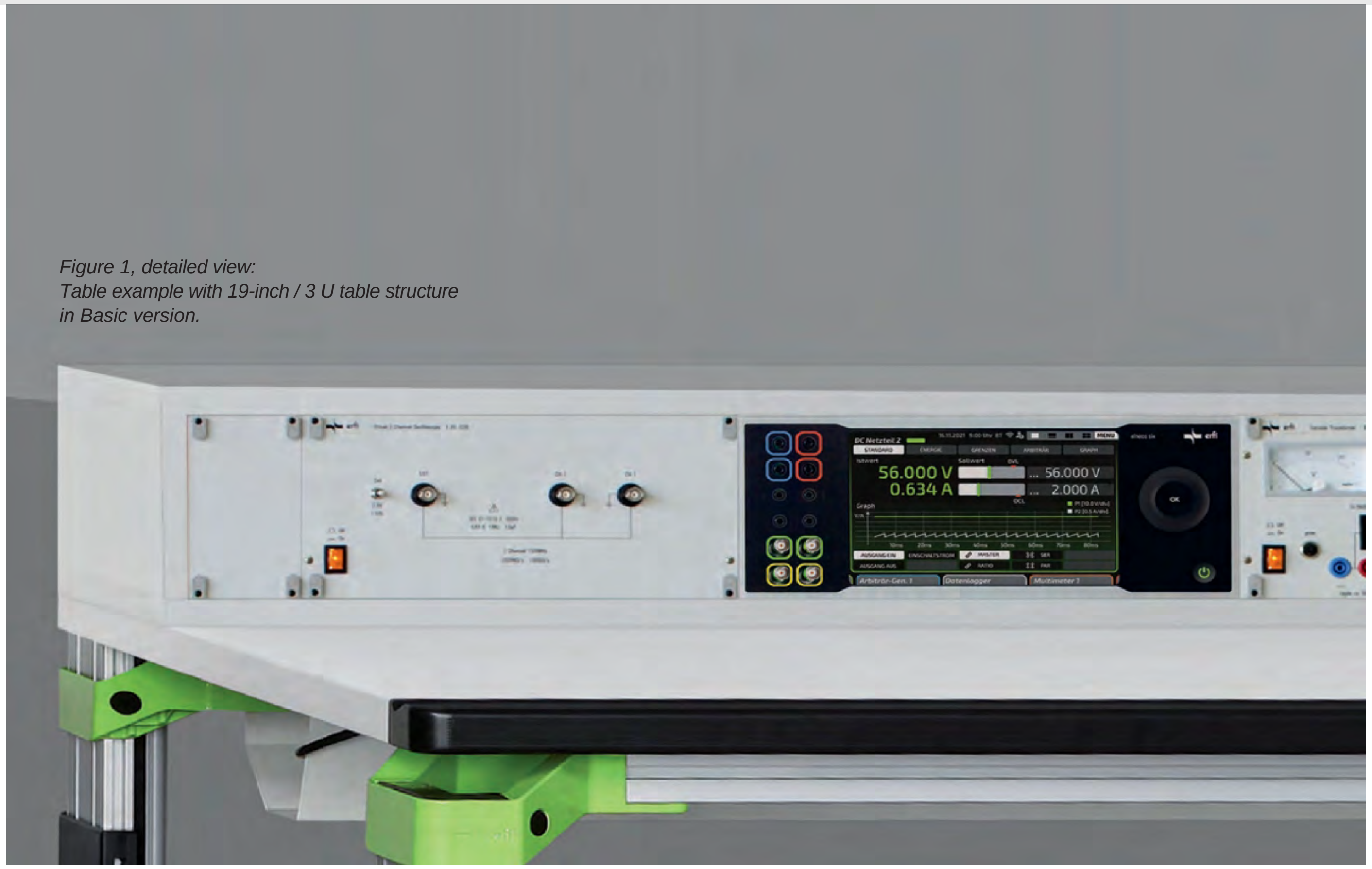


*Figure 1, detailed view:
Table example with 19-inch / 3 U table structure
in Basic version.*

19-inch desk superstructures 3 U and 6 U in basic version
Suitable for all standardized 19-inch device systems. Table structure is made of wood / laminate.

The table superstructures include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized connectors according to DIN 41612 type H 15.

19-inch desk superstructures 3 U and 6 U in basic version					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm)		**Height 6 U** (H total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1,200 mm / 228 TE	270 mm	ELC4.3.1221.B	ELC4.3.1222.B	ELC4.4.1221.B	ELC4.4.1222.B
	360 mm	ELC4.3.1231.B	ELC4.3.1232.B	ELC4.4.1231.B	ELC4.4.1232.B
	500 mm	ELC4.3.1251.B	ELC4.3.1252.B	ELC4.4.1251.B	ELC4.4.1252.B
1,600 mm / 307 TE	270 mm	ELC4.3.1621.B	ELC4.3.1622.B	ELC4.4.1621.B	ELC4.4.1622.B
	360 mm	ELC4.3.1631.B	ELC4.3.1632.B	ELC4.4.1631.B	ELC4.4.1632.B
	500 mm	ELC4.3.1651.B	ELC4.3.1652.B	ELC4.4.1651.B	ELC4.4.1652.B
1,800 mm / 346 TE	270 mm	ELC4.3.1821.B	ELC4.3.1822.B	ELC4.4.1821.B	ELC4.4.1822.B
	360 mm	ELC4.3.1831.B	ELC4.3.1832.B	ELC4.4.1831.B	ELC4.4.1832.B
	500 mm	ELC4.3.1851.B	ELC4.3.1852.B	ELC4.4.1851.B	ELC4.4.1852.B
2,000 mm / 386 TE	270 mm	ELC4.3.2021.B	ELC4.3.2022.B	ELC4.4.2021.B	ELC4.4.2022.B
	360 mm	ELC4.3.2031.B	ELC4.3.2032.B	ELC4.4.2031.B	ELC4.4.2032.B
	500 mm	ELC4.3.2051.B	ELC4.3.2052.B	ELC4.4.2051.B	ELC4.4.2052.B
Device front inclined 10°, order no. ELC4.5.0001 (independent of size)					

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

19" cockpits in basic design

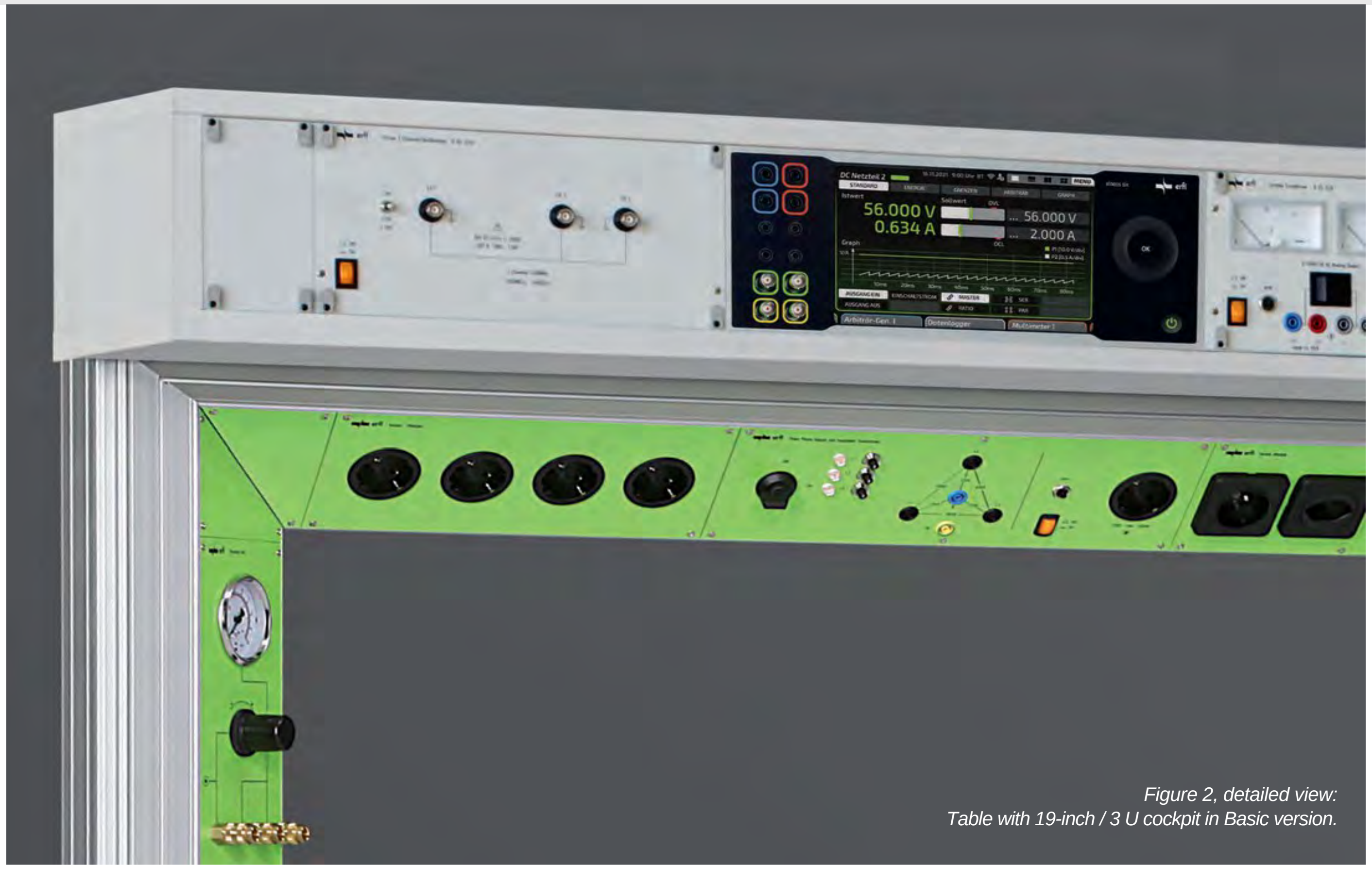


*Figure 2, detailed view:
Table with 19-inch / 3 U cockpit in Basic version.*

19-inch cockpits 3 U and 6 U in basic version
Suitable for all standardized 19-inch device systems. The cockpit rests on top of the rear foot profiles and has no recess.

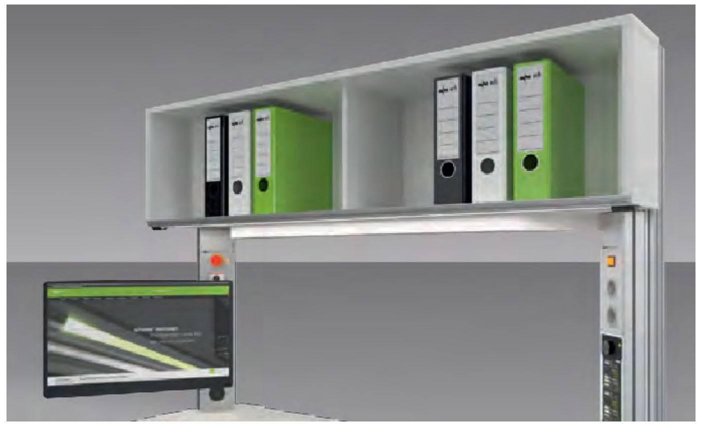
Cockpit is made of wood / laminate. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized plug connectors according to DIN 41612 type H 15.

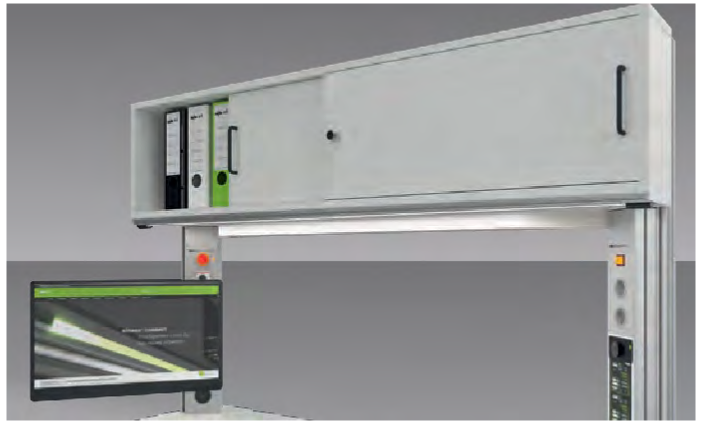
19-inch cockpits 3 and 6 U in Basic version (without cut-out for foot profiles, resting on top)					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm)		**Height 6 U** (H total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1,200 mm / 224 TE	270 mm	ELC4.1.1221.B	ELC4.1.1222.B	ELC4.2.1221.B	ELC4.2.1222.B
	360 mm	ELC4.1.1231.B	ELC4.1.1232.B	ELC4.2.1231.B	ELC4.2.1232.B
	500 mm	ELC4.1.1251.B	ELC4.1.1252.B	ELC4.2.1251.B	ELC4.2.1252.B
1,600 mm / 303 TE	270 mm	ELC4.1.1621.B	ELC4.1.1622.B	ELC4.2.1621.B	ELC4.2.1622.B
	360 mm	ELC4.1.1631.B	ELC4.1.1632.B	ELC4.2.1631.B	ELC4.2.1632.B
	500 mm	ELC4.1.1651.B	ELC4.1.1652.B	ELC4.2.1651.B	ELC4.2.1652.B
1,800 mm / 342 TE	270 mm	ELC4.1.1821.B	ELC4.1.1822.B	ELC4.2.1821.B	ELC4.2.1822.B
	360 mm	ELC4.1.1831.B	ELC4.1.1832.B	ELC4.2.1831.B	ELC4.2.1832.B
	500 mm	ELC4.1.1851.B	ELC4.1.1852.B	ELC4.2.1851.B	ELC4.2.1852.B
2,000 mm / 382 TE	270 mm	ELC4.1.2021.B	ELC4.1.2022.B	ELC4.2.2021.B	ELC4.2.2022.B
	360 mm	ELC4.1.2031.B	ELC4.1.2032.B	ELC4.2.2031.B	ELC4.2.2032.B
	500 mm	ELC4.1.2051.B	ELC4.1.2052.B	ELC4.2.2051.B	ELC4.2.2052.B

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

DIN A4 cockpits

DIN A4- Cockpits
The A4 cockpits made of wood / laminate offer plenty of storage space for files and everyday items. Thanks to the steel frame underneath, the DIN A4 cockpits are particularly resilient. All cockpits are equipped with the Toplight aluminum functional profile to accommodate the RGB LED lights and indication lighting.

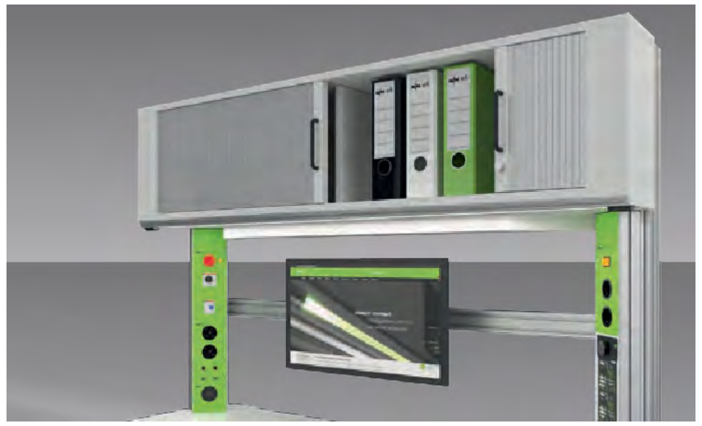




Design variants:

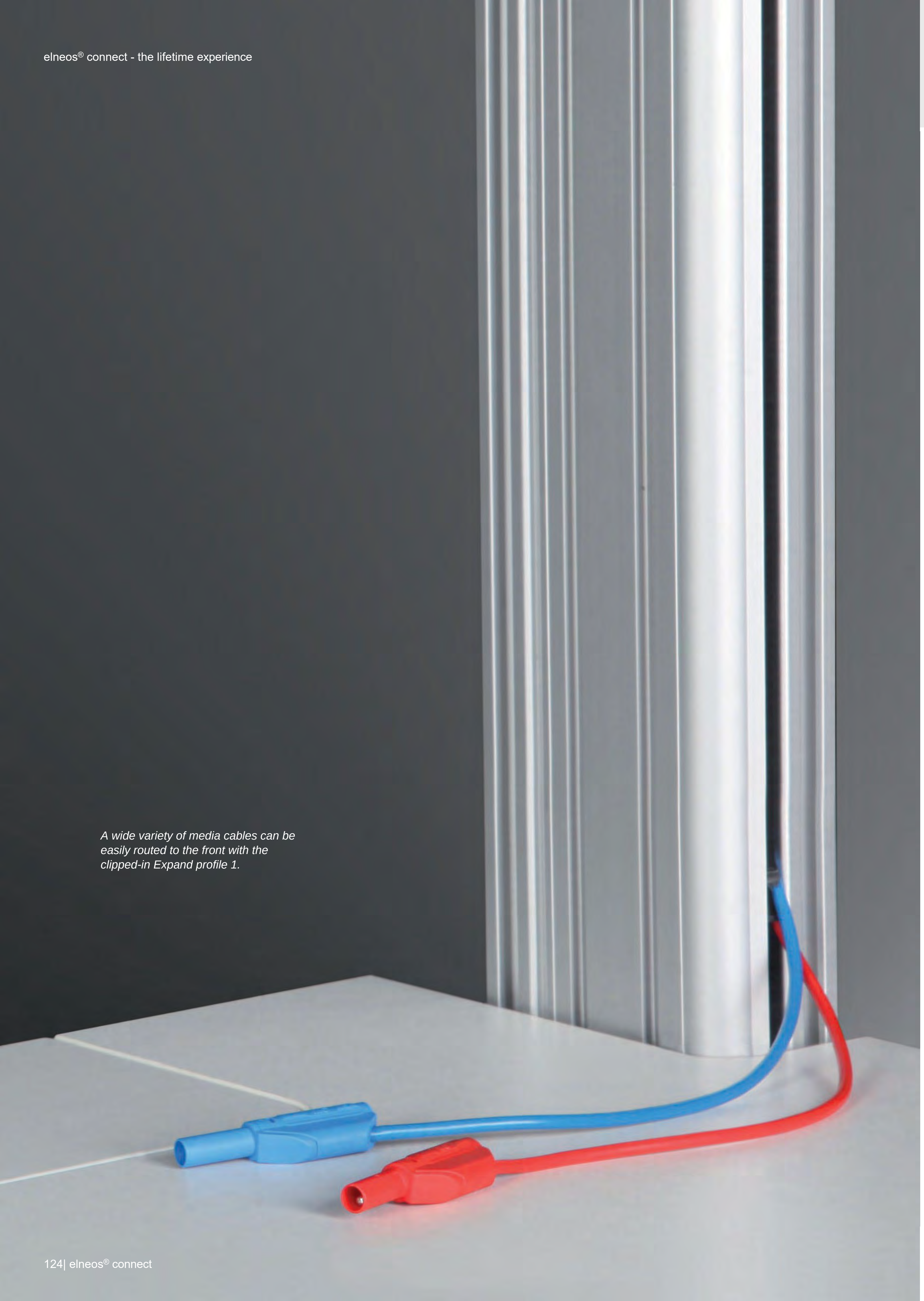
- DIN A4 cockpit as an open shelf
- DIN A4 cockpit with sliding doors
- DIN A4 cockpit with roller shutter

The versions with sliding doors and roller shutters are lockable. The usable height is 330 mm. The open shelf version a usable height of 349 mm. All DIN A4 cockpits have a total height of 387 mm and a depth of 360 mm.



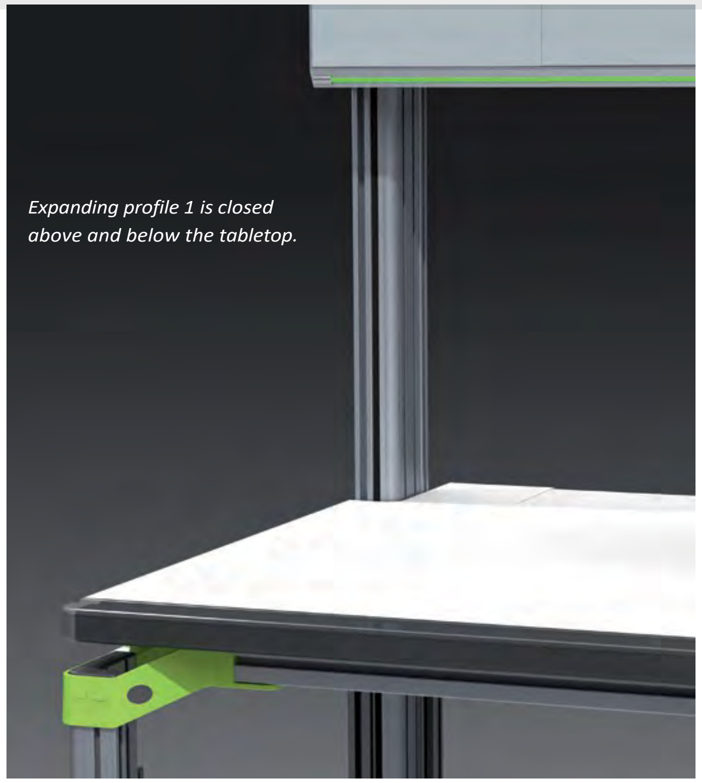
DIN A4 cockpits (total height 387 mm, depth 360 mm)

	Design variants					
	Open shelf		Sliding doors		Roller shutter	
Length	Standard	ESD	Standard	ESD	Standard	ESD
1,200 mm	ELC4.8.1.1221	ELC4.8.1.1222	ELC4.8.2.1221	ELC4.8.2.1222	ELC4.8.3.1221	ELC4.8.3.1222
1,600 mm	ELC4.8.1.1621	ELC4.8.1.1622	ELC4.8.2.1621	ELC4.8.2.1622	ELC4.8.3.1621	ELC4.8.3.1622
1,800 mm	ELC4.8.1.1821	ELC4.8.1.1822	ELC4.8.2.1821	ELC4.8.2.1822	ELC4.8.3.1821	ELC4.8.3.1822
2,000 mm	ELC4.8.1.2021	ELC4.8.1.2022	ELC4.8.2.2021	ELC4.8.2.2022	ELC4.8.3.2021	ELC4.8.3.2022

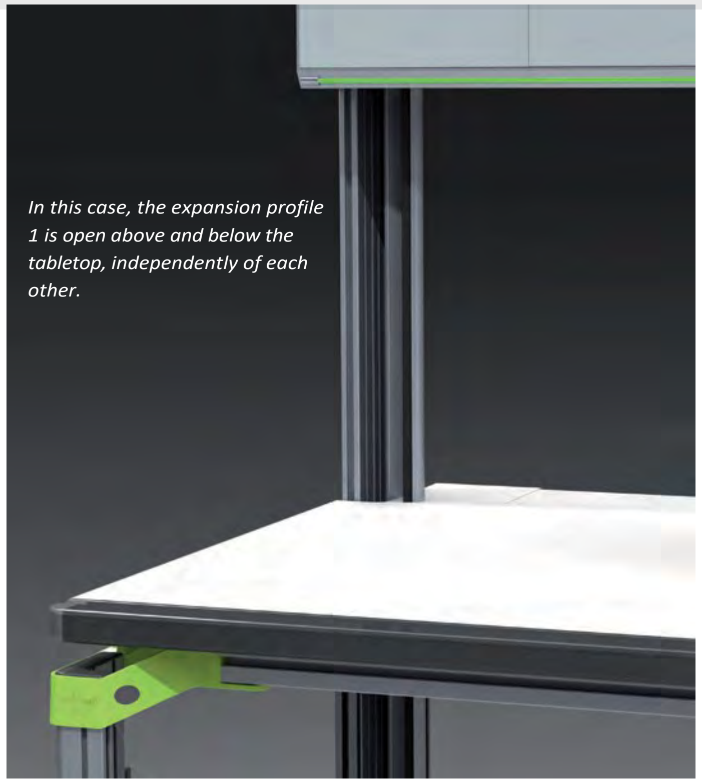


A wide variety of media cables can be easily routed to the front with the clipped-in Expand profile 1.

Expansion profile 1



Expanding profile 1 is closed above and below the tabletop.



In this case, the expansion profile 1 is open above and below the tabletop, independently of each other.

The expand profile 1 - A clip profile

The profile can be clipped onto the inside of the L-profile. It has two cable chambers and a brush strip at the front, through which the cables of the front cable chamber can be routed to the user over the entire front height. An internal partition guarantees separation from other media in the cable chamber behind.

The entire profile can be twisted open and allows excellent access to all media - clip, twist, done! A specially developed opening mechanism ensures perfect ergonomics. For example, measuring cables can routed in the front chamber. The rear chamber can accommodate power cables.

This ensures ideal separation of the media in terms of electromagnetic compatibility. The duct can be fitted to the L-profile at any time. Together with the L-profile, the expandable profile 1 creates convertibility with optimum cost-effectiveness. In addition, the long side of the Expand profile 1 has two stable grooves for fastening a wide variety of system components.

The profile is designed so that it is guided from the floor through the connector on the inside of the table. This is the ideal way to reach every functional level. Once again, the connector proves itself in form and function. In training facilities, the case can locked to prevent unauthorized opening.

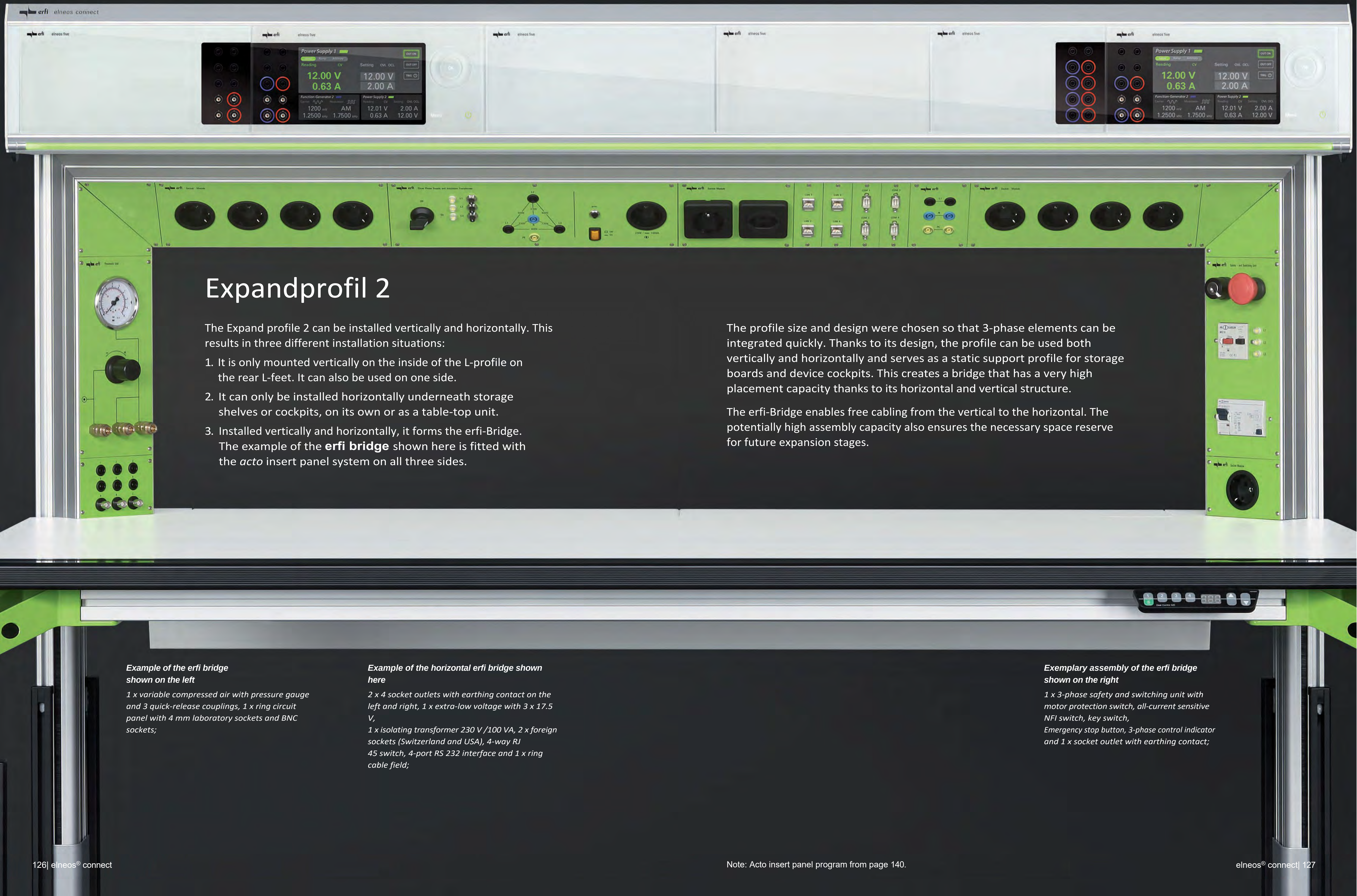
Split expansion profile 1

Expanding profile 1 is already sensibly divided at the factory so that, for example, the area above the tabletop be opened independently of the area below the tabletop. Expanding profile 1 offers maximum functionality combined with optimum handling.

Expansion profile 1

Length rear table leg incl. foot rest	Order no.	Remark
702 mm	ELC2.5.0702.x	Front. Table leg
780 mm	ELC2.5.0780.x	Hint. Table leg
1,200 mm	ELC2.5.1200.x	Hint. Table leg
1,400 mm	ELC2.5.1400.x	Hint. Table leg
1,500 mm	ELC2.5.1500.x	Hint. Table leg
1,800 mm	ELC2.5.1800.x	Hint. Table leg
2,000 mm	ELC2.5.2000.x	Hint. Table leg
2,200 mm	ELC2.5.2200.x	Hint. Table leg

Ordering information: Please replace the "x" with L= left or R= right.



Expandprofil 2

The Expand profile 2 can be installed vertically and horizontally. This results in three different installation situations:

1. It is only mounted vertically on the inside of the L-profile on the rear L-feet. It can also be used on one side.
2. It can only be installed horizontally underneath storage shelves or cockpits, on its own or as a table-top unit.
3. Installed vertically and horizontally, it forms the erfi-Bridge. The example of the **erfi bridge** shown here is fitted with the *acto* insert panel system on all three sides.

The profile size and design were chosen so that 3-phase elements can be integrated quickly. Thanks to its design, the profile can be used both vertically and horizontally and serves as a static support profile for storage boards and device cockpits. This creates a bridge that has a very high placement capacity thanks to its horizontal and vertical structure.

The erfi-Bridge enables free cabling from the vertical to the horizontal. The potentially high assembly capacity also ensures the necessary space reserve for future expansion stages.

Example of the erfi bridge shown on the left

1 x variable compressed air with pressure gauge and 3 quick-release couplings, 1 x ring circuit panel with 4 mm laboratory sockets and BNC sockets;

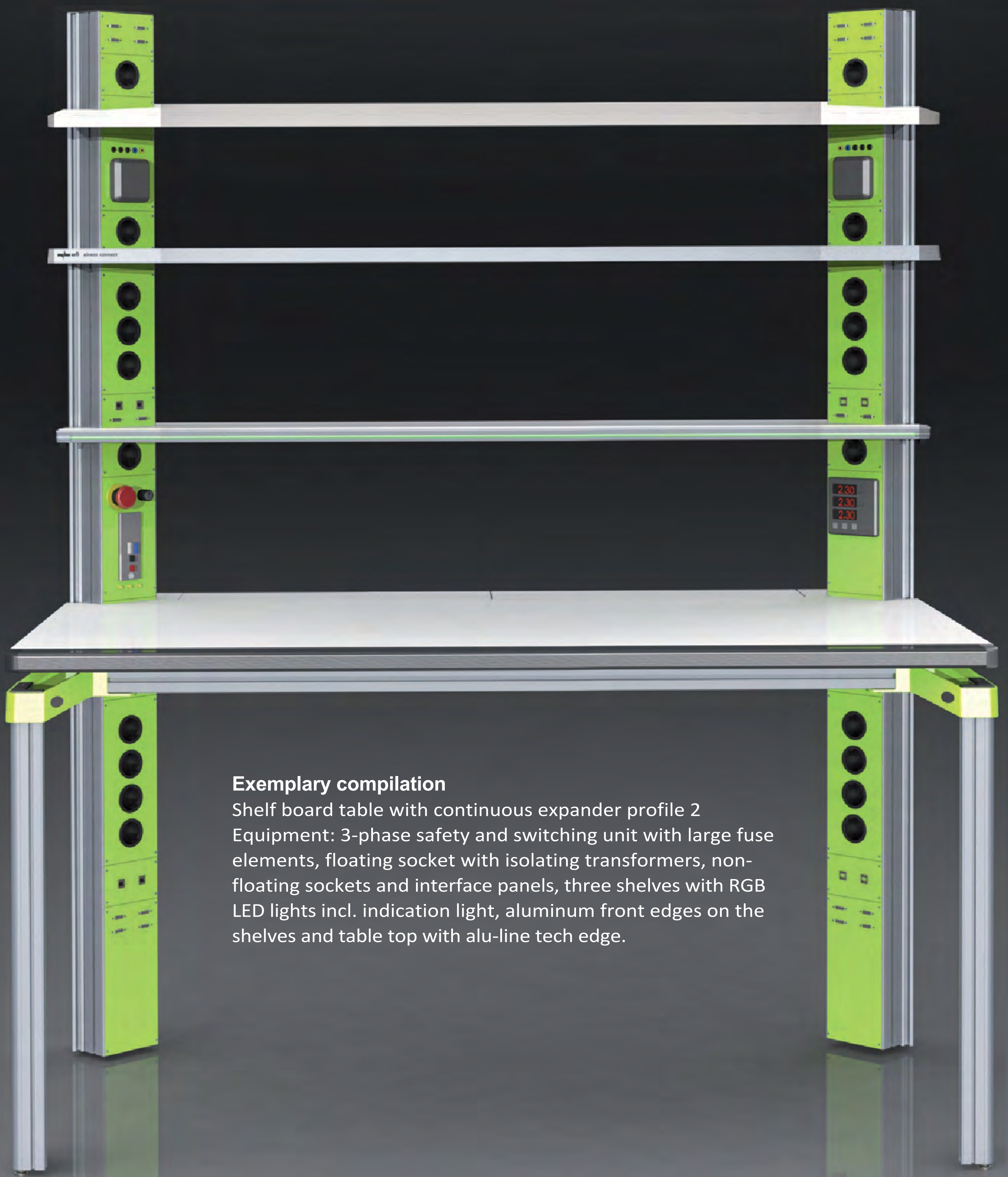
Example of the horizontal erfi bridge shown here

2 x 4 socket outlets with earthing contact on the left and right, 1 x extra-low voltage with 3 x 17.5 V,
1 x isolating transformer 230 V /100 VA, 2 x foreign sockets (Switzerland and USA), 4-way RJ 45 switch, 4-port RS 232 interface and 1 x ring cable field;

Exemplary assembly of the erfi bridge shown on the right

1 x 3-phase safety and switching unit with motor protection switch, all-current sensitive NFI switch, key switch,
Emergency stop button, 3-phase control indicator and 1 x socket outlet with earthing contact;

Note: Acto insert panel program from page 140.



Exemplary compilation
Shelf board table with continuous expander profile 2
Equipment: 3-phase safety and switching unit with large fuse elements, floating socket with isolating transformers, non-floating sockets and interface panels, three shelves with RGB LED lights incl. indication light, aluminum front edges on the shelves and table top with alu-line tech edge.

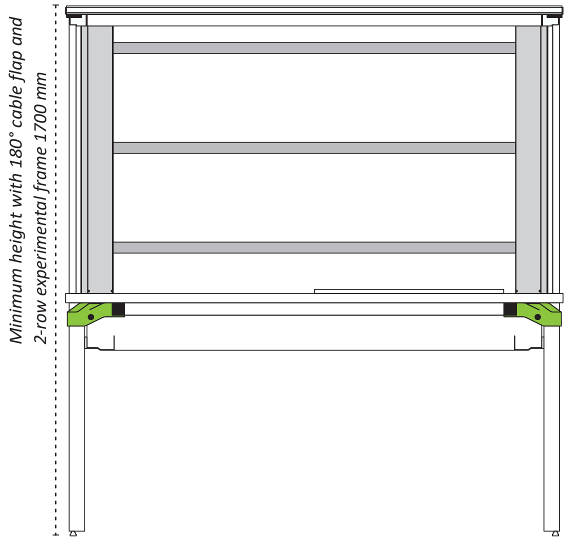
Vertical expansion profile 2

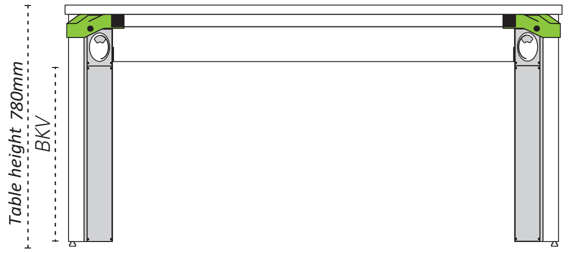
Vertical expansion profile 2

Vertical expansion profile 2 in the erfi bridge

The vertical expansion profile 2

This profile is attached to the inside of the L-profile and is used to accommodate devices such as energy analyzers, complete 3-phase safety and switching units with low-profile 3-phase switching elements and much more. The profile makes it possible to accommodate the *acto* device range and thus opens up additional areas of application. The profile is used from the tabletop level upwards and can be extended below the tabletop to the floor.


Minimum height with 180° cable flap and
2-row experimental frame 1700 mm



Alternatively, it can combined with Expand profile 1 underneath the table top. Expanding profile 2 has a groove system that accommodates two cable chambers on the inside for optimum shielding. On the outside, the grooves are arranged in such a way that additional swivel arms can be attached to the outside of the table without colliding with other tables.

The front of the appliance is ergonomically inclined at a 45° angle both vertically and horizontally.

Note when using experiment frames For tables with 180° cable flap and 2-row experiment frame, the minimum height is 1700 mm. If cockpits are to be built above this, a correspondingly higher table height must be calculated.

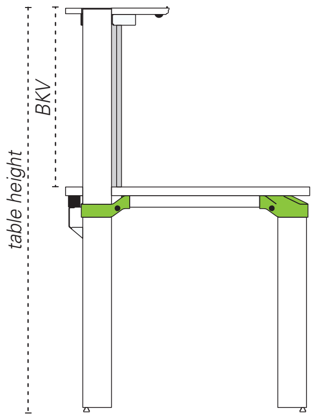
General ordering information

Please replace the "**x**" with the desired mounting position by L = left, R = right or LR = left and right.

Vertical Expand profile 2 - fitting between table top and base, including corner panel with cable entry box			
Total table height	**Length of expansion profile 2 between TP and floor**	**Corner panel incl. cable entry socket, remaining capacity**	**Order no.**
780 mm	735 mm	112 TE	ELC2.6.735.x

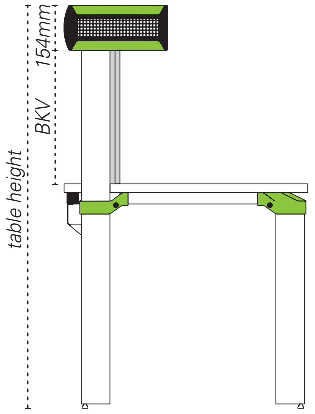
Abbreviation BKV: Vertical placement capacity

Vertical expansion profile 2



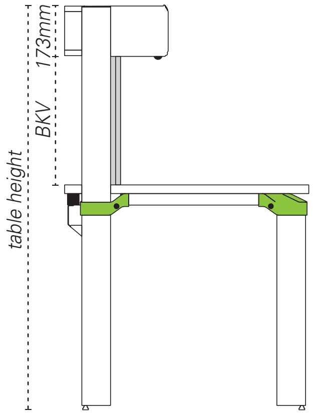
Vertical expandable profile 2 - Loading capacity between table top and top edge of L-profile, variable shelves

Total table height	Length of expansion profile 2 between TP and top shelf	Placement capacity	Order no.
1200 mm	417 mm	82 TE	ELC2.6.417.x
1300 mm	517 mm	101 TE	ELC2.6.517.x
1400 mm	617 mm	121 TE	ELC2.6.617.x
1500 mm	717 mm	141 TE	ELC2.6.717.x
1600 mm	817 mm	160 TE	ELC2.6.817.x
1700 mm	917 mm	180 TE	ELC2.6.917.x
1800 mm	1017 mm	200 TE	ELC2.6.1017.x
1900 mm	1117 mm	219 TE	ELC2.6.1117.x
2000 mm	1217 mm	239 TE	ELC2.6.1217.x
2100 mm	1317 mm	259 TE	ELC2.6.1317.x
2200 mm	1417 mm	278 TE	ELC2.6.1417.x



Vertical expansion profile 2 - Loading capacity between table top and lower edge 3 U aluminum cockpit

Total table height	Length of expansion profile 2 between TP and UK 3U aluminum cockpit	Placement capacity	Order no.
1400 mm	466 mm	91 TE	ELC2.6.466.x
1500 mm	566 mm	111 TE	ELC2.6.566.x
1600 mm	666 mm	131 TE	ELC2.6.666.x
1700 mm	766 mm	150 TE	ELC2.6.766.x
1800 mm	866 mm	170 TE	ELC2.6.866.x

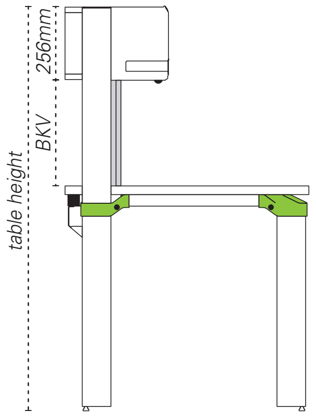


Vertical expansion profile 2 - Insertion capacity between table top and lower edge 3 U cockpit straight

Total table height	Length of expansion profile 2 between TP and UK 3 U cockpit straight	Placement capacity	Order no.
1400 mm	447 mm	87 TE	ELC2.6.447.x
1500 mm	547 mm	107 TE	ELC2.6.547.x
1600 mm	647 mm	127 TE	ELC2.6.647.x
1700 mm	747 mm	147 TE	ELC2.6.747.x
1800 mm	847 mm	166 TE	ELC2.6.847.x

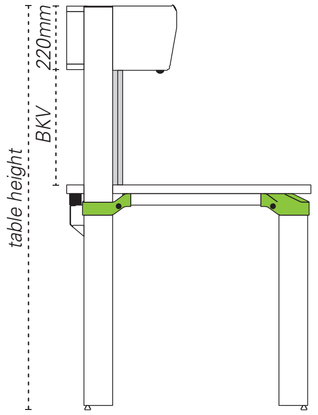
Order note

Please replace the "x" with the desired mounting position by L = left, R = right or LR = left and right.



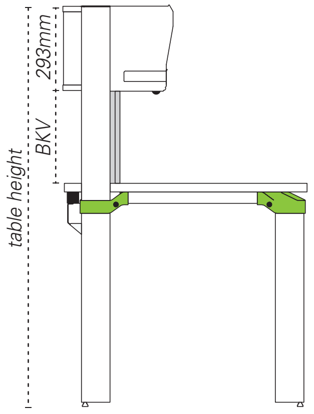
Vertical expansion profile 2 - placement capacity between Table top and lower edge of 3 U cockpit straight with multifunctional pull-out

Total table height	Length of expansion profile 2 between TP and UK 3 U cockpit straight with multifunctional pull-out	Placement capacity	Order no.
1400 mm	364 mm	71 TE	ELC2.6.364.x
1500 mm	464 mm	91 TE	ELC2.6.464.x
1600 mm	564 mm	111 TE	ELC2.6.564.x
1700 mm	664 mm	130 TE	ELC2.6.664.x
1800 mm	764 mm	150 TE	ELC2.6.764.x



Vertical expansion profile 2 - Equipment capacity between tabletop and lower edge 3 U cockpit inclined

Total table height	Length of expansion profile 2 between TP and UK 3 HE cockpit inclined	Placement capacity	Order no.
1400 mm	400 mm	78 TE	ELC2.6.400.x
1500 mm	500 mm	98 TE	ELC2.6.500.x
1600 mm	600 mm	118 TE	ELC2.6.600.x
1700 mm	700 mm	137 TE	ELC2.6.700.x
1800 mm	800 mm	157 TE	ELC2.6.800.x



Vertical expansion profile 2 - placement capacity between Table top and lower edge of 3 U cockpit inclined with multifunctional pull-out

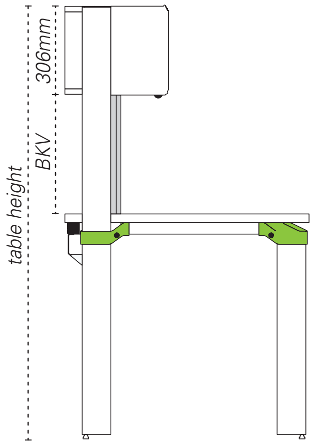
Total table height	Length of expansion profile 2 between TP and UK 3 HE cockpit inclined with multifunctional pull-out	Placement capacity	Order no.
1400 mm	327 mm	64 TE	ELC2.6.327.x
1500 mm	427 mm	84 TE	ELC2.6.427.x
1600 mm	527 mm	103 TE	ELC2.6.527.x
1700 mm	627 mm	123 TE	ELC2.6.627.x
1800 mm	727 mm	143 TE	ELC2.6.727.x

Abbreviation BKV: Vertical placement capacity

Vertical expansion profile 2

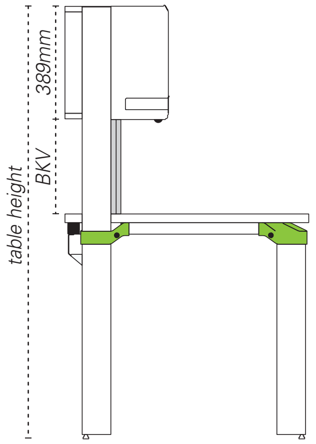
Order note

Please replace the "x" with the desired mounting position by L = left, R = right or LR = left and right.



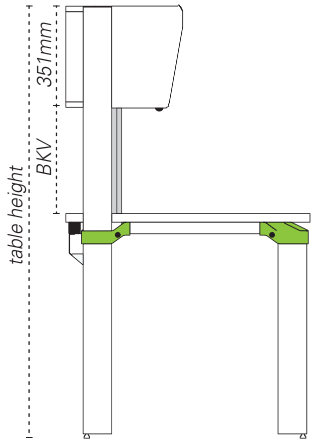
Vertical expansion profile 2 - Assembly capacity between tabletop and lower edge of 6 U cockpit straight

Total table height	Length of expansion profile 2 between TP and UK 6 U cockpit straight	Placement capacity	Order no.
1500 mm	414 mm	81 TE	ELC2.6.414.x
1600 mm	514 mm	101 TE	ELC2.6.514.x
1700 mm	614 mm	120 TE	ELC2.6.614.x
1800 mm	714 mm	140 TE	ELC2.6.714.x



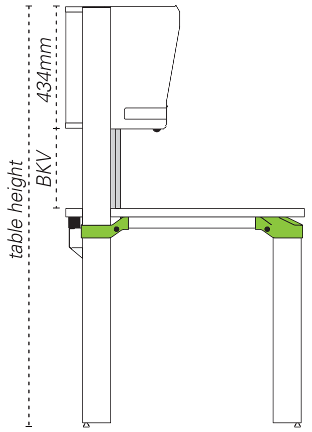
Vertical expansion profile 2 - placement capacity between Table top and lower edge 6 U cockpit straight with multifunctional pull-out

Total table height	Length of expansion profile 2 between TP and UK 6 U cockpit straight with multifunctional pull-out	Placement capacity	Order no.
1500 mm	331 mm	65 TE	ELC2.6.331.x
1600 mm	431 mm	84 TE	ELC2.6.431.x
1700 mm	531 mm	104 TE	ELC2.6.531.x
1800 mm	631 mm	124 TE	ELC2.6.631.x



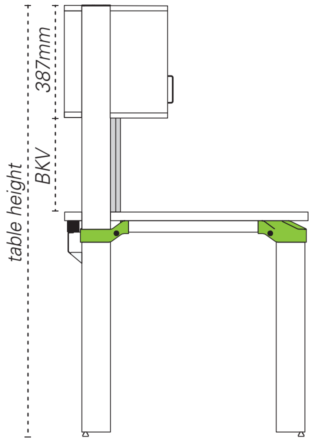
Vertical expansion profile 2 - Inclined placement capacity between tabletop and lower edge of 6 U cockpit

Total table height	Length of expansion profile 2 between TP and UK 6 U cockpit inclined	Placement capacity	Order no.
1500 mm	369 mm	72 TE	ELC2.6.369.x
1600 mm	469 mm	92 TE	ELC2.6.469.x
1700 mm	569 mm	112 TE	ELC2.6.569.x
1800 mm	669 mm	131 TE	ELC2.6.669.x



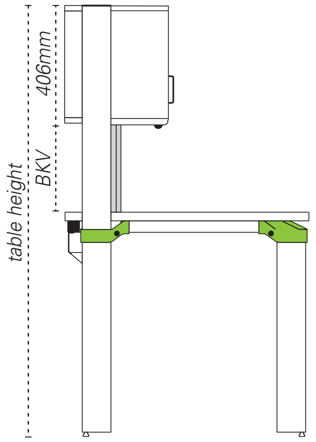
Vertical expansion profile 2 - placement capacity between Table top and lower edge of 6 U cockpit inclined with multifunctional pull-out

Total table height	Length of expansion profile 2 between TP and UK 6 U cockpit inclined with multifunctional pull-out	Placement capacity	Order no.
1500 mm	286 mm	56 TE	ELC2.6.286.x
1600 mm	386 mm	75 TE	ELC2.6.386.x
1700 mm	486 mm	95 TE	ELC2.6.486.x
1800 mm	586 mm	115 TE	ELC2.6.586.x



Vertical expand profile 2 - Loading capacity between tabletop and lower edge of A4 cockpit without top light profile

Total table height	Length of Expand Profile 2 between TP and UK DIN A4 cockpit without toplight	Placement capacity	Order no.
1500 mm	333 mm	65 TE	ELC2.6.333.x
1600 mm	433 mm	85 TE	ELC2.6.433.x
1700 mm	533 mm	104 TE	ELC2.6.533.x
1800 mm	633 mm	124 TE	ELC2.6.633.x

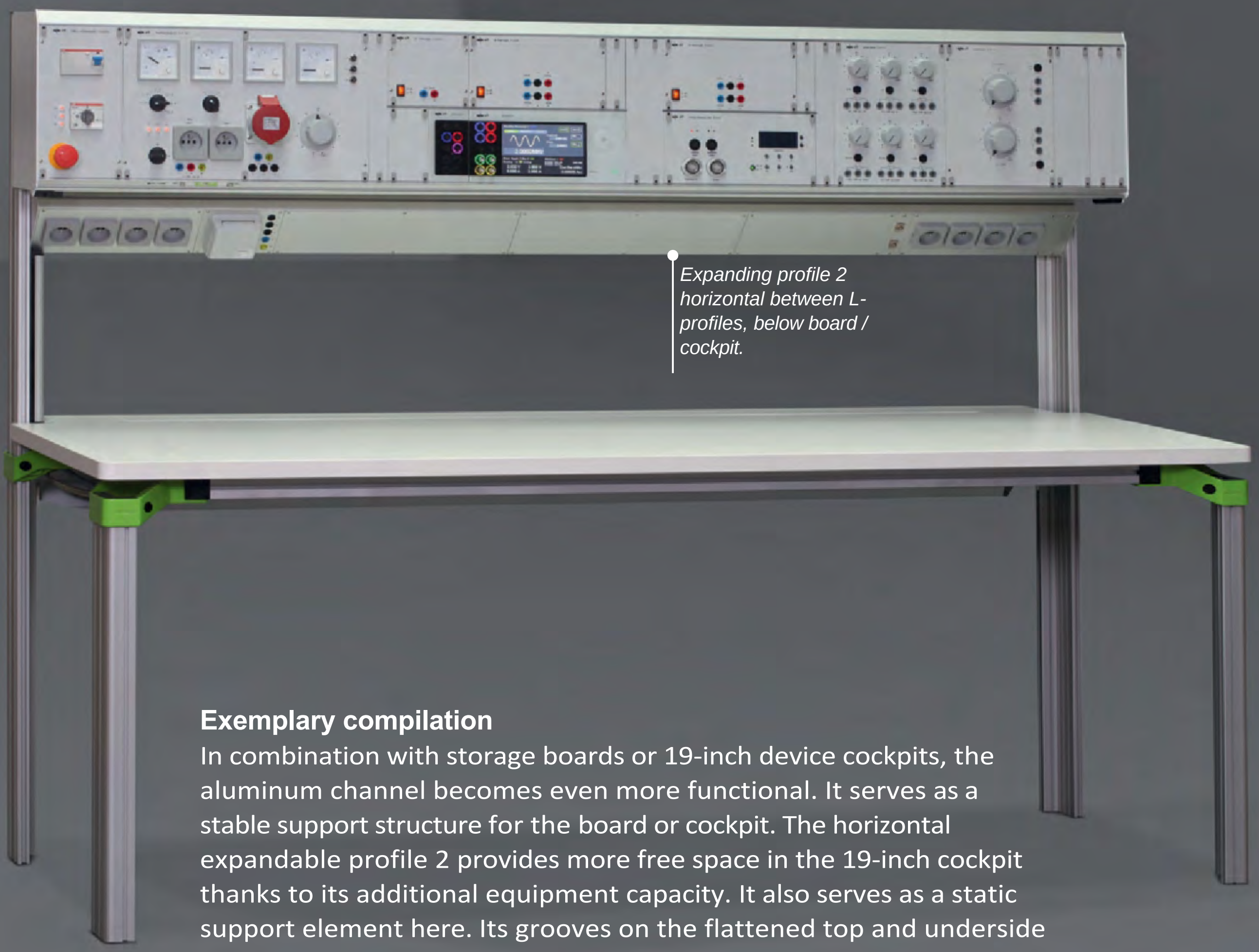


Vertical expandable profile 2 - Loading capacity between tabletop and lower edge of A4 cockpit with toplight profile

Total table height	Length of expansion profile 2 between TP and UK DIN A4 cockpit with Toplight	Placement capacity	Order no.
1500 mm	314 mm	61 TE	ELC2.6.314.x
1600 mm	414 mm	81 TE	ELC2.6.414.x
1700 mm	514 mm	101 TE	ELC2.6.514.x
1800 mm	614 mm	120 TE	ELC2.6.614.x

Abbreviation BKV: Vertical placement capacity

Horizontal expansion profile 2



Expanding profile 2 horizontal between L-profiles, below board / cockpit.

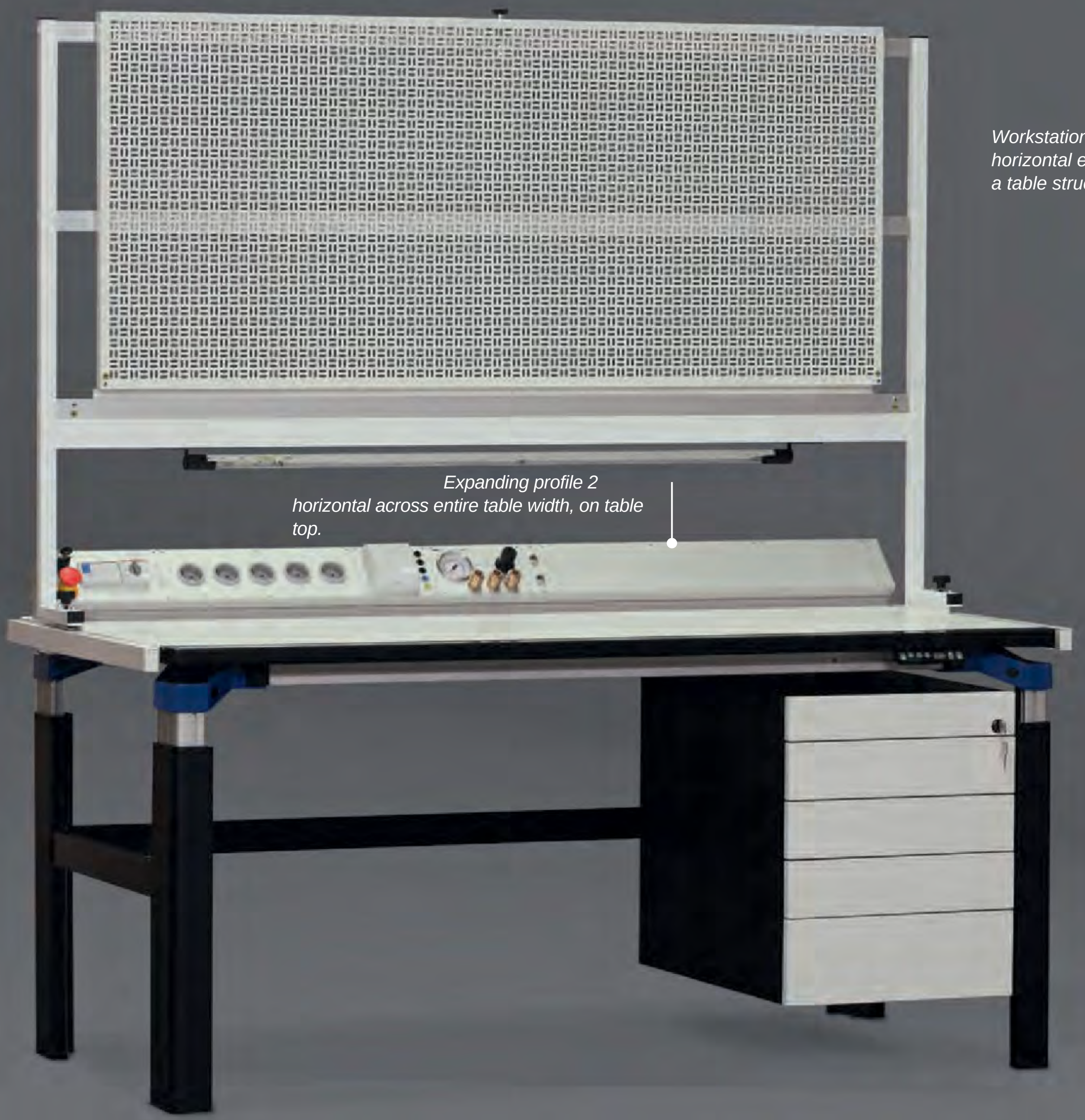
Exemplary compilation

In combination with storage boards or 19-inch device cockpits, the aluminum channel becomes even more functional. It serves as a stable support structure for the board or cockpit. The horizontal expandable profile 2 provides more free space in the 19-inch cockpit thanks to its additional equipment capacity. It also serves as a static support element here. Its grooves on the flattened top and underside provide excellent connection options for additional system components such as soldering iron holders, perforated plates or shelves.

Horizontal expansion profile 2

	between L-profiles, below board / cockpit			between L-profiles / Expand profile 1, on table top			across the entire table width, on table top		
Table width	Length Expand 2	BK*	Order no.	Length Expand 2	BK*	Order no.	Length Expand 2	BK*	Order no.
1,200 mm	1,126 mm	221 TE	ELC2.10.1126	1,069 mm	210 TE	ELC2.10.1069	1,200 mm	234 TE	ELC2.10.1200
1,600 mm	1,526 mm	300 TE	ELC2.10.1526	1,469 mm	289 TE	ELC2.10.1469	1,600 mm	313 TE	ELC2.10.1600
1,800 mm	1,726 mm	339 TE	ELC2.10.1726	1,669 mm	328 TE	ELC2.10.1669	1,800 mm	352 TE	ELC2.10.1800
2,000 mm	1,926 mm	379 TE	ELC2.10.1926	1,869 mm	367 TE	ELC2.10.1869	2,000 mm	391 TE	ELC2.10.2000

* BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm



Workstation for training with horizontal expandable profile 2 as a table structure.

Expanding profile 2 horizontal across entire table width, on table top.

The horizontal expansion profile 2

Since its first presentation on the market in In 1986, this system component was continuously developed and improved. This profile is a central component for all communication and technical work areas.

The profile can be installed horizontally underneath storage boards or cockpits, individually between the L-profiles or as a table structure. It is also suitable for mounting under the table top, e.g. for an additional power supply. The aluminum channel can be connected to the powerful 19-inch insert panel range *acto* and alternatively with the *elneos six compact* device system. Thanks to the grooves on the top and bottom, the system offers many options for installing additional components.

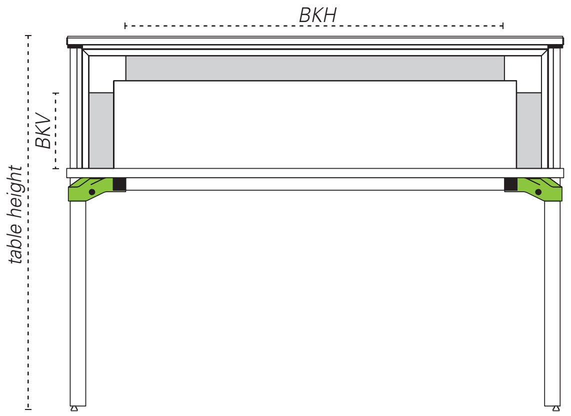
mount. On request, separator plates can be positioned inside the trunking to separate data and power cables. The aluminum trunking has intelligent groove technology on the inside for the professional integration of all types of connections.

Note: Connectors left side standard elneos-green (RAL DESIGN 1107070), right side with special equipment blue.

erfi-Bridge

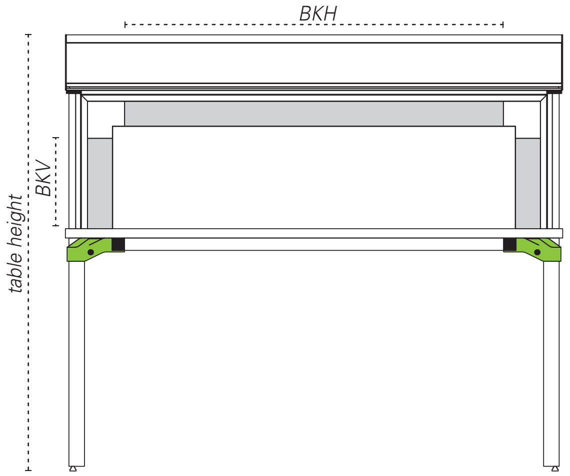
Order note

The erfi-Bridge consists of two vertical (left and right) and one horizontal expansion profile 2.



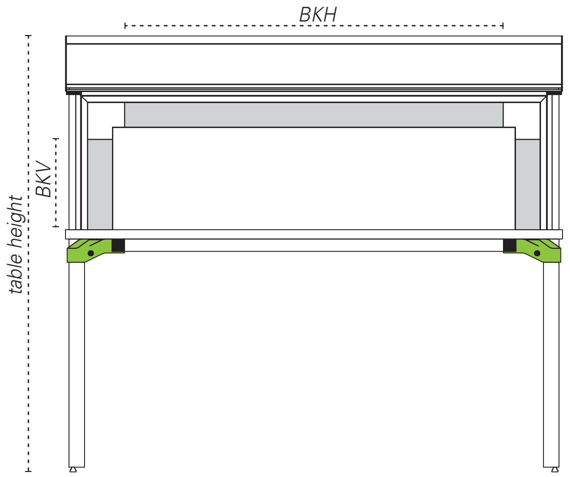
Assembly capacity in conjunction with an overlay shelf

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1200	401	48	ELC2.7.1212	ELC2.7.1612	ELC2.7.1812	ELC2.7.2012
1300	501	68	ELC2.7.1213	ELC2.7.1613	ELC2.7.1813	ELC2.7.2013
1400	601	87	ELC2.7.1214	ELC2.7.1614	ELC2.7.1814	ELC2.7.2014
1500	701	107	ELC2.7.1215	ELC2.7.1615	ELC2.7.1815	ELC2.7.2015
1600	801	127	ELC2.7.1216	ELC2.7.1616	ELC2.7.1816	ELC2.7.2016
1700	901	146	ELC2.7.1217	ELC2.7.1617	ELC2.7.1817	ELC2.7.2017
1800	1001	166	ELC2.7.1218	ELC2.7.1618	ELC2.7.1818	ELC2.7.2018



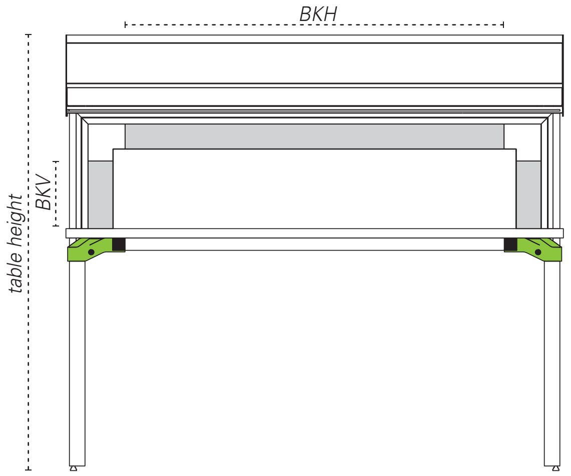
Assembly capacity in conjunction with a 3 U aluminum cockpit

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1400	466	61	ELC2.80.1214	ELC2.80.1614	ELC2.80.1814	ELC2.80.2014
1500	566	80	ELC2.80.1215	ELC2.80.1615	ELC2.80.1815	ELC2.80.2015
1600	666	100	ELC2.80.1216	ELC2.80.1616	ELC2.80.1816	ELC2.80.2016
1700	766	120	ELC2.80.1217	ELC2.80.1617	ELC2.80.1817	ELC2.80.2017
1800	866	139	ELC2.80.1218	ELC2.80.1618	ELC2.80.1818	ELC2.80.2018



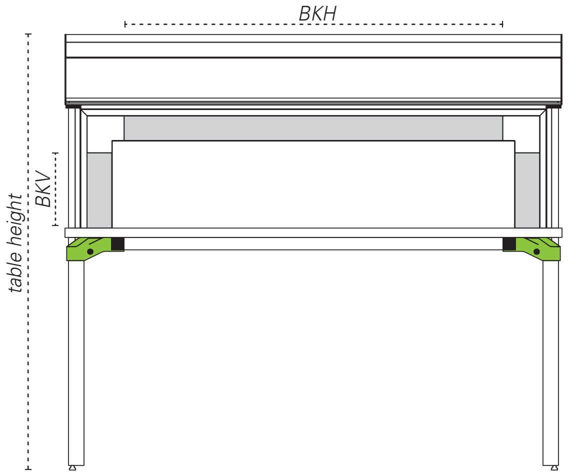
Assembly capacity in conjunction with a 3 U cockpit straight

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1400	447	57	ELC2.8.1214	ELC2.8.1614	ELC2.8.1814	ELC2.8.2014
1500	547	77	ELC2.8.1215	ELC2.8.1615	ELC2.8.1815	ELC2.8.2015
1600	647	96	ELC2.8.1216	ELC2.8.1616	ELC2.8.1816	ELC2.8.2016
1700	747	116	ELC2.8.1217	ELC2.8.1617	ELC2.8.1817	ELC2.8.2017
1800	847	136	ELC2.8.1218	ELC2.8.1618	ELC2.8.1818	ELC2.8.2018



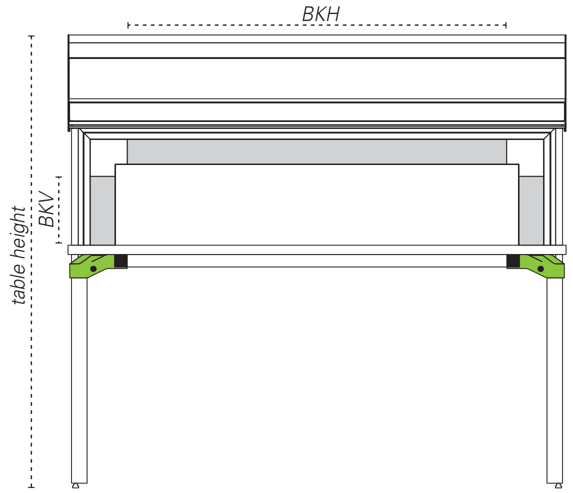
Assembly capacity in conjunction with a 3 U cockpit straight with multifunctional pull-out

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1400	364	41	ELC2.81.1214	ELC2.81.1614	ELC2.81.1814	ELC2.81.2014
1500	464	60	ELC2.81.1215	ELC2.81.1615	ELC2.81.1815	ELC2.81.2015
1600	564	80	ELC2.81.1216	ELC2.81.1616	ELC2.81.1816	ELC2.81.2016
1700	664	100	ELC2.81.1217	ELC2.81.1617	ELC2.81.1817	ELC2.81.2017
1800	764	119	ELC2.81.1218	ELC2.81.1618	ELC2.81.1818	ELC2.81.2018



Inclined placement capacity in conjunction with a 3 U cockpit

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1400	400	48	ELC2.82.1214	ELC2.82.1614	ELC2.82.1814	ELC2.82.2014
1500	500	67	ELC2.82.1215	ELC2.82.1615	ELC2.82.1815	ELC2.82.2015
1600	600	87	ELC2.82.1216	ELC2.82.1616	ELC2.82.1816	ELC2.82.2016
1700	700	107	ELC2.82.1217	ELC2.82.1617	ELC2.82.1817	ELC2.82.2017
1800	800	126	ELC2.82.1218	ELC2.82.1618	ELC2.82.1818	ELC2.82.2018



Assembly capacity in conjunction with a 3 U inclined cockpit with multifunctional pull-out

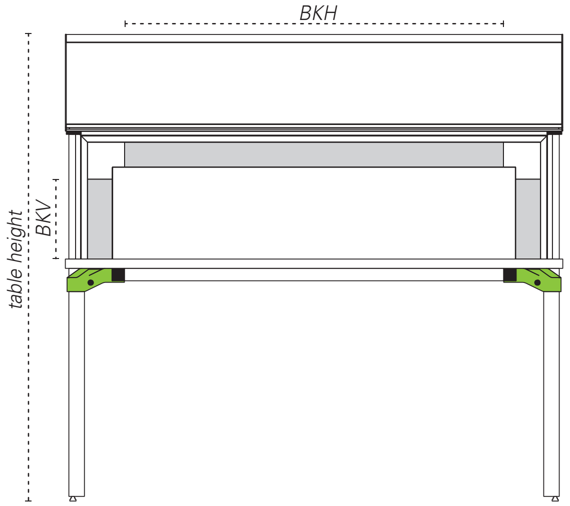
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1400	327	33	ELC2.83.1214	ELC2.83.1614	ELC2.83.1814	ELC2.83.2014
1500	427	53	ELC2.83.1215	ELC2.83.1615	ELC2.83.1815	ELC2.83.2015
1600	527	73	ELC2.83.1216	ELC2.83.1616	ELC2.83.1816	ELC2.83.2016
1700	627	92	ELC2.83.1217	ELC2.83.1617	ELC2.83.1817	ELC2.83.2017
1800	727	112	ELC2.83.1218	ELC2.83.1618	ELC2.83.1818	ELC2.83.2018

Abbreviations: BKH= Horizontal placement capacity, BKV= Vertical placement capacity

erfi-Bridge

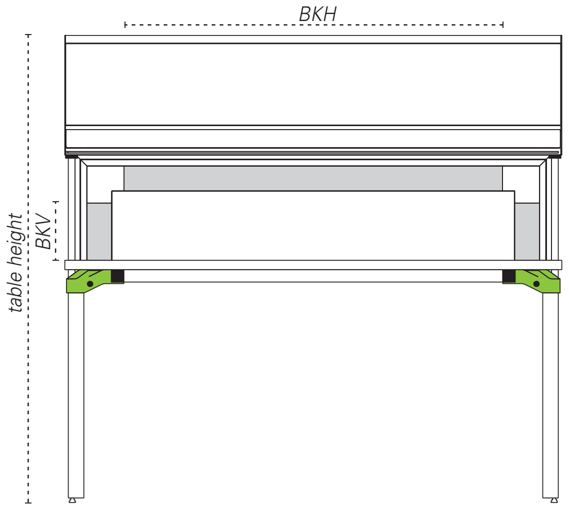
Order note

The erfi-Bridge consists of two vertical (left and right) and one horizontal expansion profile 2.



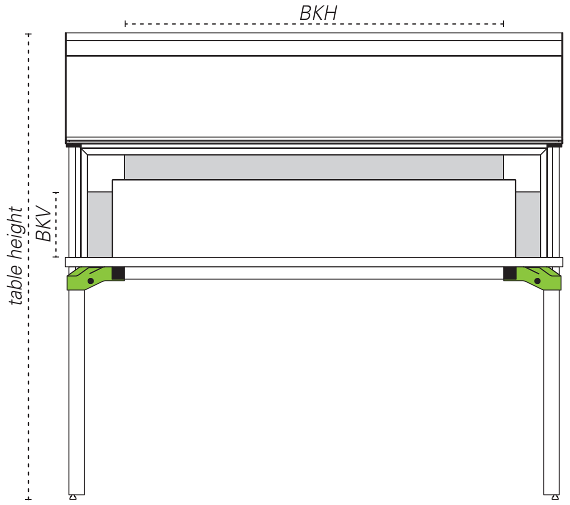
Assembly capacity in conjunction with a 6 U cockpit straight

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	414	50	ELC2.9.1215	ELC2.9.1615	ELC2.9.1815	ELC2.9.2015
1600	514	70	ELC2.9.1216	ELC2.9.1616	ELC2.9.1816	ELC2.9.2016
1700	614	90	ELC2.9.1217	ELC2.9.1617	ELC2.9.1817	ELC2.9.2017
1800	714	110	ELC2.9.1218	ELC2.9.1618	ELC2.9.1818	ELC2.9.2018



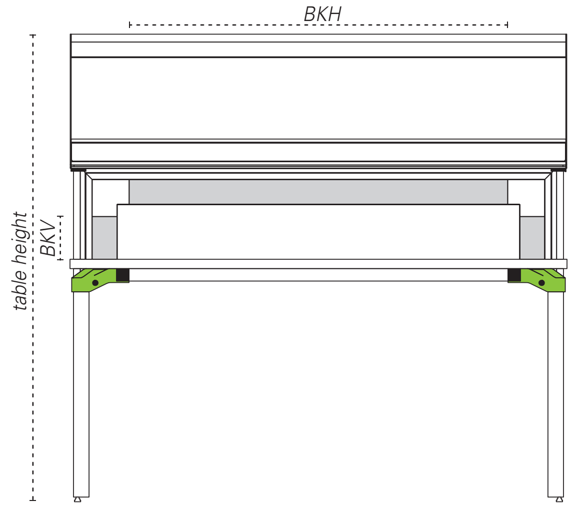
Assembly capacity in conjunction with a 6 U cockpit straight with multifunctional pull-out

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	331	34	ELC2.91.1215	ELC2.91.1615	ELC2.91.1815	ELC2.91.2015
1600	431	54	ELC2.91.1216	ELC2.91.1616	ELC2.91.1816	ELC2.91.2016
1700	531	74	ELC2.91.1217	ELC2.91.1617	ELC2.91.1817	ELC2.91.2017
1800	631	93	ELC2.91.1218	ELC2.91.1618	ELC2.91.1818	ELC2.91.2018



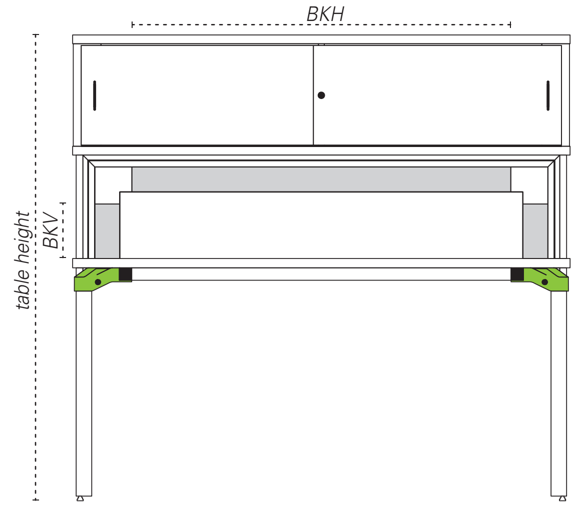
Inclined placement capacity in conjunction with a 6 U cockpit

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	369	42	ELC2.92.1215	ELC2.92.1615	ELC2.92.1815	ELC2.92.2015
1600	469	61	ELC2.92.1216	ELC2.92.1616	ELC2.92.1816	ELC2.92.2016
1700	569	81	ELC2.92.1217	ELC2.92.1617	ELC2.92.1817	ELC2.92.2017
1800	669	101	ELC2.92.1218	ELC2.92.1618	ELC2.92.1818	ELC2.92.2018



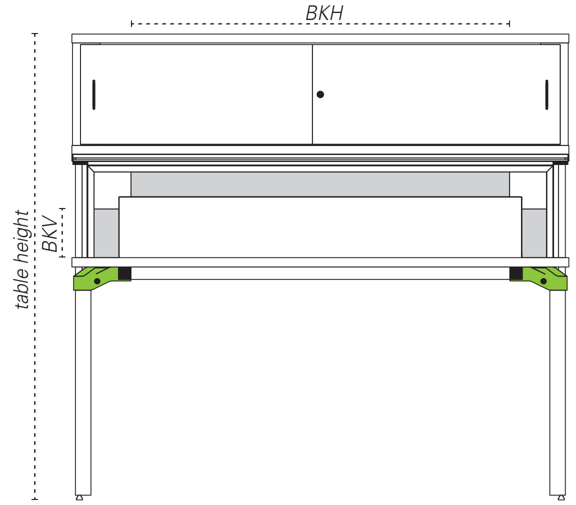
Assembly capacity in conjunction with a 6 U inclined cockpit with multifunctional pull-out

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	286	25	ELC2.93.1215	ELC2.93.1615	ELC2.93.1815	ELC2.93.2015
1600	386	45	ELC2.93.1216	ELC2.93.1616	ELC2.93.1816	ELC2.93.2016
1700	486	65	ELC2.93.1217	ELC2.93.1617	ELC2.93.1817	ELC2.93.2017
1800	586	84	ELC2.93.1218	ELC2.93.1618	ELC2.93.1818	ELC2.93.2018



Loading capacity in conjunction with a DIN A4 cockpit without toplight profile

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	333	35	ELC2.10.1215	ELC2.10.1615	ELC2.10.1815	ELC2.10.2015
1600	433	54	ELC2.10.1216	ELC2.10.1616	ELC2.10.1816	ELC2.10.2016
1700	533	74	ELC2.10.1217	ELC2.10.1617	ELC2.10.1817	ELC2.10.2017
1800	633	94	ELC2.10.1218	ELC2.10.1618	ELC2.10.1818	ELC2.10.2018



Loading capacity in conjunction with a DIN A4 cockpit with toplight profile

			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
Height			**BKH** 161 TE	**BKH** 240 TE	**BKH** 280 TE	**BKH** 319 TE
Table mm	**Bridge** mm	**BKV** TE	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	314	31	ELC2.11.1215	ELC2.11.1615	ELC2.11.1815	ELC2.11.2015
1600	414	50	ELC2.11.1216	ELC2.11.1616	ELC2.11.1816	ELC2.11.2016
1700	514	70	ELC2.11.1217	ELC2.11.1617	ELC2.11.1817	ELC2.11.2017
1800	614	90	ELC2.11.1218	ELC2.11.1618	ELC2.11.1818	ELC2.11.2018

Abbreviations: BKH= Horizontal placement capacity, BKV= Vertical placement capacity

Insert panel system acto®

Safety and switching units

The acto® insert panels as a system

The *acto* insert panel system is a protected brand of the erfi company and is characterized not only by its low height of 113 mm but also by its innovations.

Innovations of the acto system®

- Remote-controlled control power supply units (Ethernet, USB 2.0 and RS232-C optional)
- Remote-controlled function generators up to 20 MHz with integrated counters up to 100 MHz (Ethernet, USB 2.0 and RS232-C optional)
- Remote-controlled measuring devices (Ethernet, USB 2.0 and RS232-C optional)
- Outstanding performance and control data for power supply units and function generators (control accuracy < 2 mV/A, control speeds < 15)
- State-of-the-art software for networking of classrooms and development laboratories
- Module grid width in 19-inch slide-in technology in accordance with DIN 41494 Part 5

Technical dimensions

Installation height 113 mm
Installation width 7 TE grid width

Definition TE (dividing unit)

1 TE correspond to 2/10 inch (5.08 mm)
7 TE thus correspond to 35.56 mm

acto enables a high degree of module flexibility thanks to the 19-inch plug-in in accordance with DIN 41494 Part 5. Each insert panel is constructed in a grid of 7 HP and can therefore make optimum use of the available integration space. High packing densities can be achieved thanks to the narrow grid of 7 HP. The insert panels can also be easily combined with the large 19-inch highlab and basic device series in combi set-ups and combi cockpits.

All-current sensitive residual current circuit breaker (type B) The erfi safety and switching units can alternatively be equipped with all-current sensitive residual current circuit breakers (type B). In the standard version, all models are equipped with pulse-current
sensitive residual current circuit breakers (type A).

Possible smooth DC residual currents caused by frequency converters, inverters, photovoltaic systems and battery charging stations cannot be reliably detected by type A RCDs for sinusoidal AC residual currents and pulsating DC residual currents.

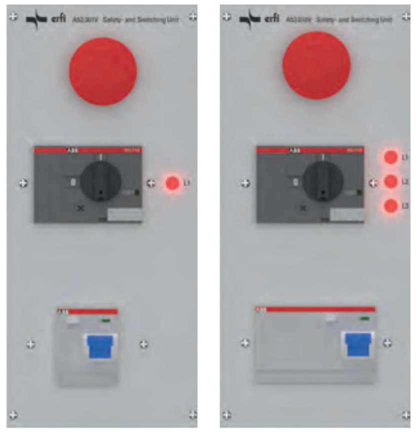
DC residual currents can to type A RCDs no longer guaranteeing the protective functions even with AC residual currents due to premagnetization of the transformer. The all-current sensitive RCDs (type B) reliably detect smooth DC fault currents and AC fault currents up to a frequency of 1 MHz.

DIN VDE 0100-723:2005-06 is binding for the protection of classrooms (when supplied with TN or TT systems) with experimental equipment.

If a TN or TT system used to supply experimental equipment, one or more residual current devices (RCDs) with a rated residual current IΔN ≤ 30mA must be provided in these circuits. These residual current devices must be of type B.

All-current sensitive RCD type B (option)
also suitable for smooth direct currents;

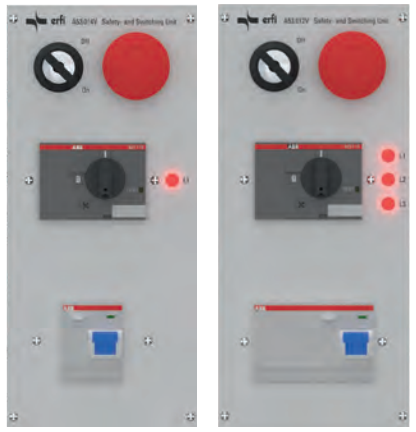
Order no. Z01.100



Safety and switching units, 49 TE

NFI switch:	Residual current 30 mA, rated current 25 A
Emergency stop button:	With potential-free contact for connection of an on-site room emergency stop
Phase indicator lamps:	L1 or L1, L2, L3
Motor protection switch:	10-16 A with undervoltage release

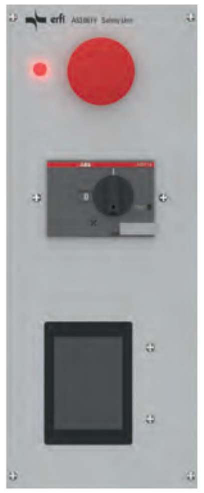
1-phase	3-phase
Horizontal order no. A53.001A (FI type A),	**Horizontal order no. A53.010A** (RCD type A)
Horizontal order no. A53.001B (RCD type B)	**Horizontal order no. A53.010B** (RCD type B)
Vertical order no. A53.001VA (RCD type A)	**Vertical order no. A53.010VA** (RCD type A)
Vertical order no. A53.001VB (RCD type B)	**Vertical order no. A53.010VB** (RCD type B)



Safety and switching units with key switch, 49 TE

NFI switch:	Residual current 30 mA, rated current 25 A
Key-operated switch:	The key can be removed in both positions
Emergency stop button:	With potential-free contact for connection of an on-site room emergency stop
Phase indicator lamps:	L1 or L1, L2, L3
Motor protection switch:	10-16 A with undervoltage release

1-phase	3-phase
Horizontal order no. A53.014A (RCD type A)	**Horizontal order no. A53.012A** (RCD type A)
Horizontal order no. A53.014B (RCD type B)	**Horizontal order no. A53.012B** (RCD type B)
Vertical order no. A53.014VA (RCD type A)	**Vertical order no. A53.012VA** (RCD type A)
Vertical order no. A53.014VB (RCD type B)	**Vertical order no. A53.012VB** (RCD type B)



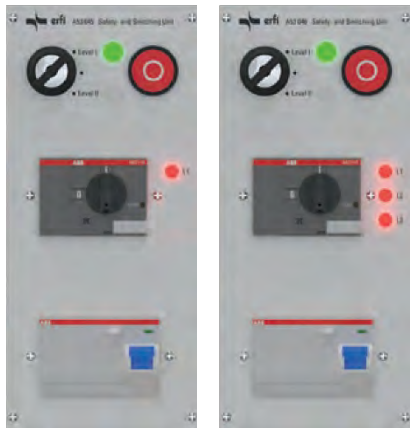
Safety and switching units with TFT display for switching socket outlets, 56 TE

Emergency stop button:	With potential-free contact for connection of an on-site emergency room
Phase indicator lamp	L1
Motor protection switch:	10-16 A with undervoltage release
TFT display	For switching the individual sockets (groups)

Note on the switching unit: An empty plate with at least 56 HP is required for the contactors and relays!

1-phase
Horizontal Order no. A53.061
Vertikal Order no. A53.061V

Safety and switching units



Safety and switching units, switchable and remote-controlled, 49 TE

NFI switch: Residual current 30 mA, rated current 25 A type B (pulse current sensitive)

Key switch: with 3 key positions for switching between low, zero and low, AC and three-phase voltage

Emergency stop button: with integrated key switch (tamper-proof)
with additional potential-free contact for room emergency stop

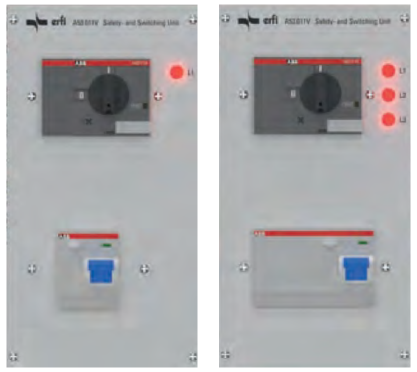
LED display: Indicator light for displaying the statuses.
For example:
Level I: green for low voltage
Level II: yellow for low, alternating and three-phase voltage

Phase indicator lamps: L1 or L1, L2, L3

Motor protection switch: 10-16 A with built-in undervoltage release

Note on the switching units: An empty plate with at least 56 HP is required for the 2 contactors or 1 contactor and 2 relays!

1- phased	3-phase
Horizontal order no. A53.045	**Horizontal Order no. A53.046**
Vertical Order no. A53.045V	**Vertical Order no. A53.046V**



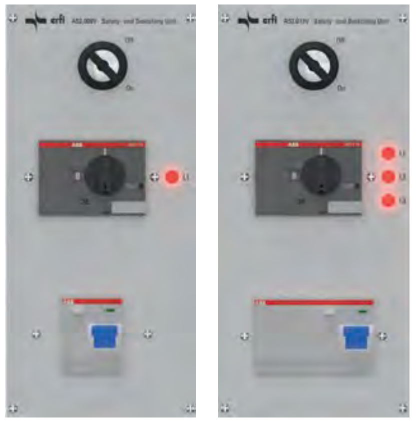
Safety and switching units without emergency stop, 42 TE

NFI switch: Residual current 30 mA, rated current 25 A *Motor circuit breaker:* 10 -16 A with undervoltage release

Phase indicator lamps: L1 or L1, L2, L3

1-phase	3-phase
Horizontal order no. A52.003A (RCD type A)	**Horizontal order no. A53.011A** (RCD type A)
Horizontal order no. A52.003B (RCD type B)	**Horizontal order no. A53.011B** (RCD type B)
Vertical order no. A52.003VA (RCD type A)	**Vertical order no. A53.011VA** (RCD type A)
Vertical order no. A52.003VB (RCD type B)	**Vertical order no. A53.011VB** (RCD type B)

Safety and switching units, 49 TE



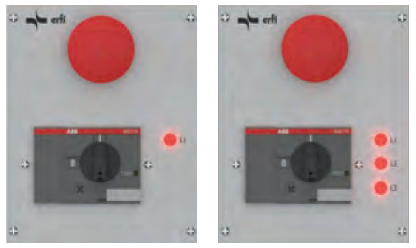
NFI switch: Residual current 30 mA, rated current 25 A

Key-operated switch: The key can be removed in both positions

Phase indicator lamps: L1 or L1, L2, L3

Motor protection switch: 10-16 A with undervoltage release

1-phase	3-phase
Horizontal order no. A52.008A (RCD type A)	**Horizontal order no. A53.013A** (FI type A)
Horizontal order no. A52.008B (FI type B)	**Horizontal order no. A53.013B** (RCD type B)
Vertical order no. A52.008VA (RCD type A)	**Vertical order no. A53.013VA** (RCD type A)
Vertical order no. A52.008VB (RCD type B)	**Vertical order no. A53.013VB** (RCD type B)



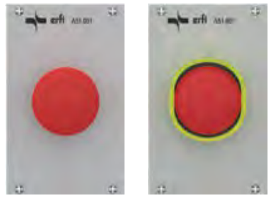
Safety and switching units without NFI switch, 28 TE

Motor protection switch: 10 -16 A with undervoltage release

Emergency stop button: With potential-free contact for connection of an on-site emergency room

Phase indicator lamps: L1 or L1, L2, L3

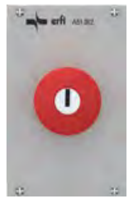
1-phase	3-phase
Horizontal order no. A52.006	**Horizontal Order no. A52.007**
Vertical Order no. A52.006V	**Vertical Order no. A52.007V**



Emergency stop button, 14 TE

With potential-free contact for connecting an on-site room emergency stop. (*Note:* Protective collar for emergency stop available at an extra charge, order no.: A51.S)

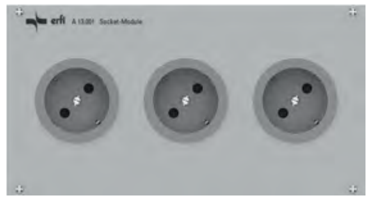
Horizontal Order No. A51.001
Vertical Order No. A51.001V



Emergency stop button with key switch, 14 TE Tamper-proof thanks to integrated key switch. The emergency stop button can released using a key.

Horizontal order no. A51.002 Vertical order no. A51.002V

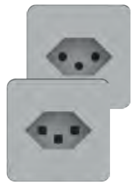
Supply modules



Single-phase AC power supplies, socket outlet modules without and with mains switch *Sockets with earthing contact:* 230 V, 50 Hz, 16 A
Socket outlet color: standard pebble grey, RAL 7032 (optionally in other colors and models).

	Modules without mains switch			Modules with mains switch		
Quantity	**Size**	**Horizon.**	**Vertical**	**Size**	**Horizon.**	**Vertical**
1 Schuko	14 TE	A11.016	A11.016V	28 TE	A12.016	A12.016V
2 Schuko	28 TE	A12.002	A12.002V	42 TE	A13.005	A13.005V
3 Schuko	42 TE	A13.001	A13.001V	56 TE	A14.002	A14.002V
4 Schuko	56 TE	A14.001	A14.001V	70 TE	A15.002	A15.002V
5 Schuko	70 TE	A15.001	A15.001V	84 TE	A16.002	A16.002V
6 Schuko	84 TE	A16.001	A16.001V	98 TE	A17.001	A17.001V

Orange **socket outlet with earthing contact**, 230 V, 50 Hz, 16 A, type F Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.102



Sockets with earthing contact Switzerland
pebble gray (RAL 7032), type J, countries: CH, LI
T13: 230 V, 50 Hz, **10 A**, **order no. A1.106**
T23: 250 V, 50 - 60 Hz, **16 A**, **order no. A1.106b**

Socket outlet with earthing contact France
pebble gray (RAL 7032), 230 V, 50 Hz, 16 A, type E
Countries: F
Order no. A1.107

Socket outlet with earthing contact Great Britain pebble gray (RAL 7032), 240 V, 50 Hz, 13 A, type G Countries: GB, IR, M, CY
Order no. A1.109

Socket outlet with earthing contact Australia
pebble gray (RAL 7032), 230 V, 50 Hz, 10 A, type I Countries: AUS, NZ, PNG, CHN, RA, ROU
Order no. A1.113

Socket outlet with earthing contact and hinged cover
orange, 230 V, 50 Hz, 16 A, type F
Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.105

Socket outlet with earthing contact and hinged cover pebble gray (RAL 7032), 230 V, 50 Hz, 16 A, type F Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.103

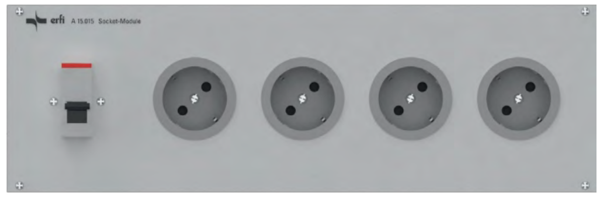
Socket outlet with earthing contact Italy
pebble gray (RAL 7032), 230 V, 50 Hz, 16 A, type L
Countries: I, ES
Order no. A1.108

Earth contact socket USA
pebble gray (RAL 7032), 115 V, 50 Hz, 15 A, type B
Countries: USA, TW, JP
Order no. A1.110

Earth contact socket outlet India
pebble gray (RAL 7032), 230 V, 50 Hz, 10 A, type M
Countries: IND, older installations
also in GB, IR, M, CY
Order no. A1.111

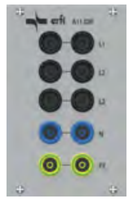
Note: Other socket outlet designs (colors and models) available at an extra charge.

Socket outlet module, 70 TE
3 socket outlets with earthing contact, 230 V / 16 A
3 illuminated power switches for each individual socket
Horizontal order no. A15.024
Vertical order no. A15.024V



Socket outlet module with LS, 70 TE
Circuit breaker, 4 socket outlets with earthing contact
Horizontal order no. A15.015
Vertical order no. A15.015V

Connection panel, 14 HP
2 x 3 SLB[1],
230 V / 50 Hz, max. 16 A
Horizontal order no. A11.024
Vertical order no. A11.024V



Connection panel, 14 HP
2 x 5 SLB[1],
400 / 230 V, 50 Hz, 16 A
Horizontal order no. A11.030
Vertical order no. A11.030V

Ring cable field, 14 HP
6 SLB[1] for connecting ring cables, unwired
Horizontal order no. A11.011
Vertical order no. A11.011V

Safety laboratory sockets L1, N, PE (wired), 7 HP
3 SLB[1] 4 mm, 230 V, 50 Hz, 16 A
Horizontal order no. A10.046
Vertical order no. A10.046V

Safety laboratory sockets, L1 - 3, N, PE (wired), 7 T
5 SLB[1], 400 / 230 V, max. 16 A per phase
Horizontal order no. A10.075 Vertical order no. A10.075V

Illuminated mains switch, 14 TE
For switching loads
Horizontal order no. A11.110
Vertical order no. A11.110V

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[1] SLB: Safety laboratory socket

Supply modules

Isolating transformer 230 V / 3 A / 690 VA, 28 TE
1 illuminated mains switch, 1 socket outlet without earthing contact for drawing off floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.101 Vertical order no. A92.101V

Note: The isolating transformer is mounted in the cable tray or in a techcube underneath the table and wired accordingly.

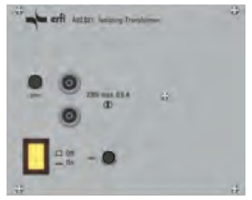
Isolating transformer 230 V/ 2 A / 460 VA, 28 TE
1 illuminated mains switch, 1 socket outlet without earthing contact for drawing off floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.026 Vertical order no. A92.026V

Note: The isolating transformer is mounted in the cable tray or in a techcube underneath the table and wired accordingly.

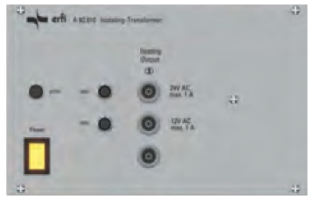
AC voltage module, floating, 230 V/max. 0.5 A, 115 VA, 35 TE 1 illuminated mains switch, 1 socket outlet without earthing contact for taking floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.020 Vertical order no. A92.020V



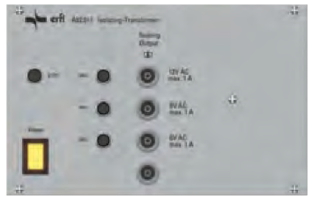
AC voltage module, floating, 230 V/max. 0.5 A, 115 VA, 28 TE
1 illuminated mains switch, 2 safety laboratory sockets for tapping earth-free alternating voltage, 1 thermal-magnetic switch
Circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.021 Vertical order no. A92.021V



1-phase AC power supplies Low-voltage AC module, floating, 12 V, 24 V/1 A, 35 HP
1 illuminated mains switch, 3 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 2 thermal circuit breakers (secondary protection)

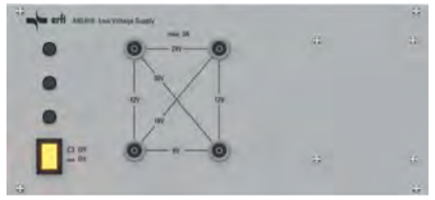
Horizontal order no. A92.010 Vertical order no. A92.010V



1-phase AC power supplies Low-voltage AC module, floating, 6 V, 8 V, 12 V/1 A, 35 HP

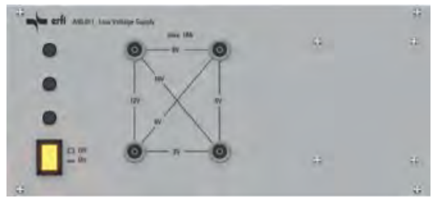
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection) 3 thermal-magnetic circuit breakers (secondary protection)

Horizontal order no. A92.011 Vertical order no. A92.011V



Low AC voltage module, floating, 6 V, 12 V, 18 V, 24 V, 36 V, 42 V/3 A, 49 TE
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 3 thermal-magnetic circuit breakers (secondary protection)

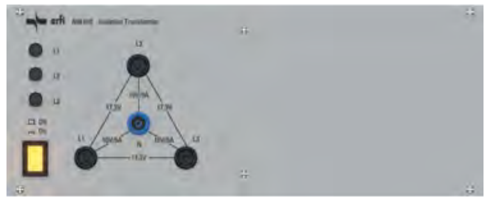
Horizontal order no. A93.010 Vertical order no. A93.010V



Low AC voltage module, floating, 2 V, 4 V, 6 V, 8 V, 10 V, 12 V/10 A, 49 HP
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 3 thermal-magnetic circuit breakers (secondary protection)

Horizontal Order no. A93.011

Vertical Order no. A93.011V



Small three-phase voltage module, floating, Delta 3 x 17.3 V/150 VA, star 3 x 10 V/5 A, 56 TE
1 mains switch, 4 safety laboratory sockets L1, L2, L3, N for tapping floating low three-phase voltage, 1 thermal circuit breaker
(primary fuse protection), 3 thermal-magnetic circuit breakers (secondary fuse protection)

Horizontal order no. A94.010 Vertical order no. A94.010V

Small three-phase voltage module, floating, delta 3 x 40 V, star 3 x 23 V/3 A, 56 HP
1 mains switch, 4 safety laboratory sockets L1, L2, L3, N for tapping floating low three-phase voltage, 1 thermal circuit breaker
(primary fuse protection), 3 thermal-magnetic circuit breakers (secondary fuse protection)

Horizontal order no. A94.011 Vertical order no. A94.011V

Three-phase module, 35 HP
1 mains switch, 3 thermal-magnetic circuit breakers, 5 SLB[1]
L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

Horizontal order no. A12.021 Vertical order no. A12.021V

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[1] SLB: Safety laboratory socket

Supply modules

Three-phase module, 28 HP

1 CEE socket outlet, 3-pin+ N+ PE, 6 h,400/ 230 V, 50 Hz, 16 A

Horizontal order no. A12.201 Vertical order no. A12.201V

CEE socket outlet (wired), 14 TE

2-pole+ PE, 6 h, 230 V, 50 Hz, 16 A, with blue hinged lid

Horizontal order no. A11.022
Vertical order no. A11.022V

Three-phase module, 28 HP

1 CEE socket outlet, 3-pin+ N+ PE, 6 h, 400 V / 230 V, 50 Hz, 16 A
5 SLB[1] L1, L2, L3, N PE, 400 V / 230 V, 50 Hz, 16 A

Horizontal order no. A12.057 Vertical order no. A12.057V

231
234
232
A210

Three-phase module with multifunction display incl. power meter, 56 HP

U: Lx - N (V), I (A), P (W), Q (VAr), S (VA),
cos phi (0.10 i .. 1 .. 0.10 c), f (L1-N : 48-62 Hz)
1 CEE socket outlet, 3-pin+ N+ PE, 6 h, 400/ 230 V, 50 Hz, 16 A, 5 SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

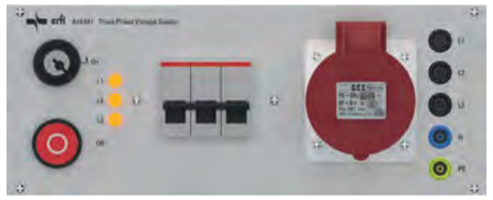
Horizontal order no. A14.055 Vertical order no. A14.055V

Three-phase module, 42 HP

1 CEE socket 400 V / 230 V, max. 16 A per phase
5 SLB[1] 400 V / 230 V, max. 16 A per phase
1 key-operated single push-button, 1 contactor
1 Off button
3 phase indicator lights

Horizontal order no. A13.038
Vertical order no. A13.038V

Notes: An empty plate with at least 28 HP is for the contactor!



Ddeer current module 16 A , 56 TE

1 CEE socket 400 V / 230 V, max. 16 A per phase
5 SLB[1] 400 V / 230 V, max. 16 A per phase, 1 key-operated single switch
1 off button, 3-way automatic circuit breaker
3 phase indicator lights
1 key switch, 1 contactor

Horizontal order no. A14.041
Vertical order no. A14.041V

Notes: An empty plate with at least 28 HP is for the contactor!

Three-phase module 32 A , 56 TE

1 CEE socket outlet, , 400 V / 230 V, 50 Hz, max. 32 A per phase
3-way automatic circuit breaker with undervoltage release,
3 phase indicator lights

Horizontal order no. A14.040 Vertical order no. A14.040V

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[1] SLB: Safety laboratory socket

Universal tester, remote-controlled

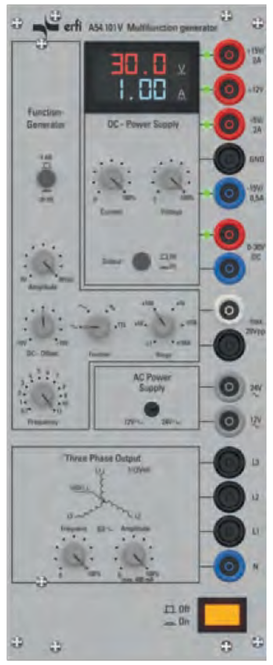
Universal tester with digital display, remote-controlled, 56 TE

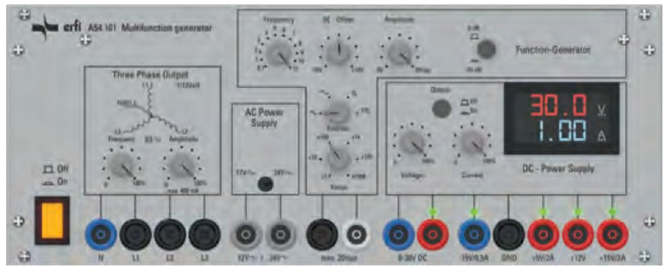
With DC and AC power supply unit, function and three-phase generator, completely remote-controllable. Ideally suited for all basic experiments and advanced experiments in electrical engineering / electronics and digital and analog technology.

Horizontal Order No. A54.101

Vertical Order No. A54.101V

Note: An empty panel with at least 56 HP is required for the switching power supply unit! Alternatively, the output stage control power supply can be installed in the cable tray or in a techcube underneath the power supply. of the table and wired accordingly.





Technical data Universal tester with digital display, fully remote controllable

Size	113 mm / 56 TE	
Display		
LED status display	for various function groups	
DC fixed voltage	Fixed voltage 1	12 V / 1 A, short-circuit proof
	Fixed voltage 2	+ 15 V / 2 A, - 15 V / 0.5 A, short-circuit proof
	Fixed voltage 3	+ 5 V / 2 A for TTL, short-circuit proof
DC control power supply unit	0 - 30 V / 0-2 A, stabilized and short-circuit proof, Current limitation adjustable via potentiometer, output OFF function	
AC fixed voltage	Fixed voltage 1	12 V, 700 mA, 50 Hz
	Fixed voltage 2	24 V, 700 mA, 50 Hz
3-phase alternator	with 3 phases+ N, amplitude: 3 x 7/12 V, current carrying capacity: 3 x 200 mA, Output voltage: 0...10 Vrms, conductor voltage 0-17, 4 Vrms (star/delta) Frequency: 1-120 Hz adjustable in 1 Hz steps	
Function generator	Functions	Sine, triangle, square wave, logic (digital) - TTL
	Frequency range	0.1 Hz - 1 MHz
	Amplitude	0-20 Vpp, accuracy 10 mV
	Max. Output current	300 mA
	Attenuator	20 dB
	Output resistance	50 Ohm, source resistance 5 Ohm
	TTL	5 V
Interfaces	USB and Ethernet, on the rear. Also available at the front on request.	
Fuses	Short-circuit-proof and intrinsically safe as well as self-resetting fuses on all outputs	

Variable transformers

Equipment of the transformers
All variable transformers are equipped with a thermal (primary) and thermal-magnetic (secondary) automatic circuit breaker and an illuminated mains switch.

∼

0-30 V AC, 2 A, floating, 77 TE
unstabilized, output AC: 2 SLB[1] 4 mm
Display: 1st moving iron instrument Kl. 2.5; voltage: 0-30 V
2. moving iron instrument cl. 2.5; current: 0-2 A

Horizontal order no. A95.010
Vertical order no. A95.010V

≅

0-30 V, AC/DC, 2 A, floating, 77 TE
unstabilized, switchable to 0-24 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
AC/DC output: 2 SLB[1] 4 mm
Display: 1st moving iron instrument Kl. 2.5; voltage: 0-30 V
2. moving iron instrument cl. 2.5; current: 0-2 A

Horizontal order no. A95.011 Vertical order no. A95.011V

∼

0-260 V AC, 1 A, not floating, earthed, 63 TE *unstabilized, AC output:* socket outlet with earthing contact *Display:* 1st moving-iron instrument, terminal 2.5; voltage: 0-260 V
2. moving iron instrument cl. 2.5; current: 0-1 A

Horizontal order no. A94.030
Vertical order no. A94.030V

Note: Cannot be used in expansion profile 2.

≅

0-24 V, AC/DC, 4 A, floating, 77 TE
unstabilized, switchable to 0-19 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC / DC: 2 SLB[1] 4 mm
Display: 1st moving iron instrument Kl. 2.5; voltage: 0-30 V
2. moving iron instrument cl. 2.5; current: 0-4 A

Horizontal order no. A95.012 Vertical order no. A95.012V

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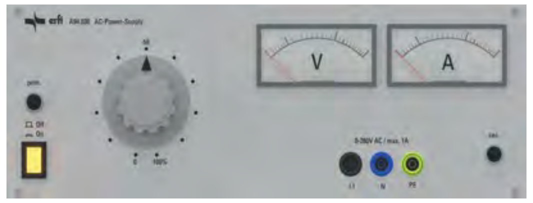

0-260 V AC, 1 A, not floating, laboratory sockets, 63 TE
unstabilized, AC: 3 SLB[1] 4 mm (L1, N and PE)
Display: 1st moving iron instrument Kl. 2.5; voltage: 0-260 V
2. moving iron instrument cl. 2.5; current: 0 -1 A

Horizontal Order No. A94.031
Vertical Order No. A94.031V

Note: Cannot be used in expansion profile 2.

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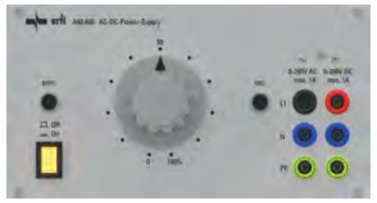
[1] SLB: Safety laboratory socket

≅



0-260 V, AC/DC, 1 A, not floating, without display, 42 TE
unstabilized, DC: 0-200 V DC unscreened,
Residual ripple approx. 50 % due to integrated bridge rectifier
AC/DC output: 3 SLB[1] 4 mm (L1, N and PE) / 2 SLB[1] 4 mm

Horizontal order no. A93.030
Vertical order no. A93.030V

Note: Cannot be used in expansion profile 2.

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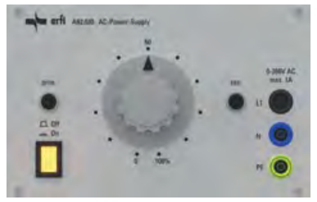


0-260 V AC, 1 A, not floating, without display, 35 TE
unstabilized,
AC output: 3 SLB[1] 4 mm (L1, N and PE)

Horizontal order no. A92.030 Vertical order no. A92.030V

Note: Cannot be used in expansion profile 2.

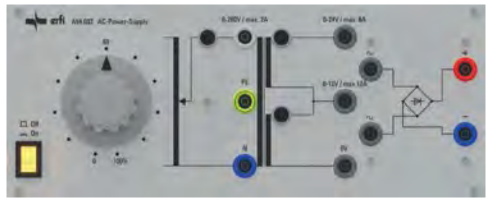
≅

0-260 V AC/DC, max. 2 A, floating, 63 TE
unstabilized, switchable to 0-200 V DC by bridge rectifier *Output AC / DC:* socket without earthing contact / 2 SLB[1] 4mm *Display:* 1. moving iron instrument Kl. 2.5, current: 0-260 V
2. moving iron instrument cl. 2.5, current 0-2 A

Horizontal Order No. A94.032
Vertical Order No. A94.032V

Note: Not applicable in expansion profile 2, energy superstructures / cockpits 150 mm deep.

≅



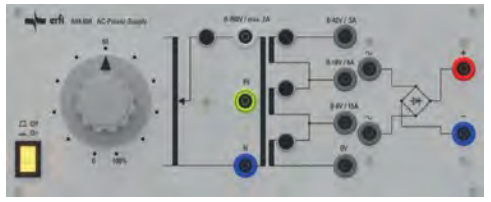
0-12/24/260 V, AC/DC, floating or non-floating, 56 TE

unstabilized,
AC 1: 0-12 V AC max. 12 A floating *AC 2:* 0-24 V AC max. 6 A floating
AC 3: 0-260 V AC max. 2 A not floating
Output AC 1+2: 2 SLB[1] 4 mm each
Output AC 3: 3 SLB[1] 4 mm (L1, N and PE) Bridge rectifier for external wiring

Horizontal order no. A94.033 Vertical order no. A94.033V

Note: Not applicable in expansion profile 2, energy superstructures / cockpits 150 mm deep.

≅



0-6/18/42/260 V, AC/DC, floating or non-floating, 56 TE
unstabilized,
AC 1: 0-6 V AC max. 15 A floating *AC 2:* 0-18 V AC max. 6 A floating
AC 3: 0-42 V AC max. 3 A floating *AC 4:* 0-260 V AC max. 2 A not floating
Output AC 1-3: 2 SLB[1] 4 mm each
Output AC 4: 3 SLB[1] 4 mm (L1, N and PE) Bridge rectifier for external wiring

Horizontal Order No. A94.034
Vertical Order No. A94.034V

Note: Not applicable in expansion profile 2, energy superstructures / cockpits 150 mm deep.

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[1] SLB: Safety laboratory socket

Fixed voltage sources

Technical data series-regulated fixed voltage sources

Output data	Tension	5 V	5 V	12 V	12 V	15 V	15 V
	Electricity	1 A	3 A	1 A	2 A	1 A	2 A
Control deviation	Voltage load change 0-100%	20 mV	20 mV	50 mV	80 mV	50 mV	80 mV
Ripple	Voltage at rated load 0.5 m_{Vrms}						
Settling time	Load jump from 0% to 100% 15 µs						

Tracking power supply unit ±3 to ±15 V / 1 A and 5 V / 1 A, 42 HP
permanently longitudinally regulated, permanently short-circuit-proof, can be connected in series and parallel
Outputs: SLB[1] 4 mm

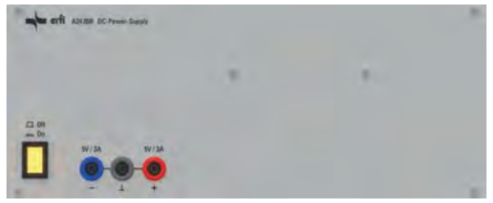
Horizontal order no. A23.050 Vertical order no. A23.050V

Fixed voltage source 3.3 V / 4 A, 28 TE
Switched, permanently short-circuit-proof, can be connected in series and parallel, double the nominal peak power when switched on Power factor and harmonics to EN61000-3-2
Outputs: SLB1 4 mm
Fuse protection: 1 thermal-magnetic circuit breaker
Horizontal order no. A22.100
Vertical order no. A22.100V

Fixed voltage source 5 V / 3 A, 35 TE

Longitudinally regulated, permanently short-circuit-proof, can be connected in series and parallel
Outputs: SLB[1] 4 mm

Horizontal Order no. A22.050
Vertical Order no. A22.050V



Fixed voltage source ±5 V/3 A, 56 TE
Longitudinally regulated, permanently short-circuit-proof, can be connected in series and parallel
Outputs: SLB[1] 4 mm

Horizontal order no. A24.050
Vertical order no. A24.050V

Fixed voltage source 24 V / 4 A, 56 TE
Clocked, permanently short-circuit-proof, can be connected in series and parallel
Outputs: SLB[1] 4 mm
Fuse: Thermal-magnetic appliance circuit breaker, 4 A
Horizontal order no. A24.064 Vertical order no. A24.064V

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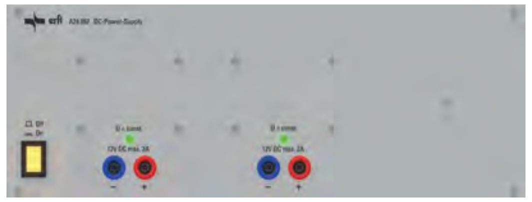
[1] SLB: Safety laboratory socket

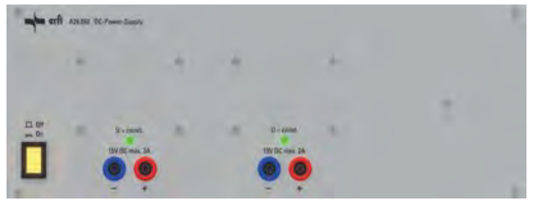
Fixed voltage source 24 V / 5 A (10 A peak), 56 TE clocked, permanently short-circuit-proof, can be connected in series and parallel, double nominal peak power when switched on Power factor and harmonics in accordance with EN61000-3-2 *Load regulation:* 192 mV max.
Ripple and noise: 360 mV max.
Outputs: SLB[1] 4 mm

Horizontal order no. A24.051 Vertical order no. A24.051V



Fixed voltage source 2 x 12 V/2 A, 63 TE
permanently short-circuit-proof, parallel or series-connectable, longitudinally regulated
Outputs: SLB[1] 4 mm

Horizontal order no. A24.052 Vertical order no. A24.052V



Fixed voltage source 2 x 15 V / 2 A, 63 TE
permanently short-circuit-proof, longitudinally regulated, can be connected in series and parallel
Outputs: SLB[1] 4 mm

Horizontal order no. A24.053 Vertical order no. A24.053V

Fixed voltage source ±12 V / 1 A and 5 V / 3 A, 70 TE permanently short-circuit-proof, longitudinally regulated, can be connected in series and parallel 1 additional 230 V / 16 A socket outlet with earthing contact
Outputs: SLB[1] 4 mm

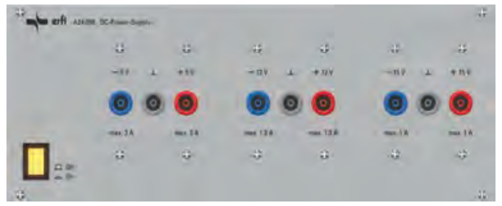
Horizontal order no. A25.050
Vertical order no. A25.050V

Note: Cannot be used in expansion profile 2.

Fixed voltage source ±15 V / 1 A and 5 V / 3 A, 70 TE permanently short-circuit-proof, longitudinally regulated, can be connected in series and parallel 1 additional 230 V / 16 A socket outlet with earthing contact
Outputs: SLB[1] 4 mm
Horizontal Order No. A25.051

Vertical Order no. A25.051V

Note: Cannot be used in expansion profile 2.



Switch-mode power supply - /+ 5 V / 3 A, - /+ 12 V / 1.3 A, - /+ 15 V / 1 A, 56 TE clocked, permanently short-circuit-proof, can be connected in series and parallel, double the nominal peak power when switched on Power factor and harmonics in accordance with EN61000-3-2
Outputs: SLB[1] 4 mm

Horizontal order no. A24.058 Vertical order no. A24.058V

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[1] SLB: Safety laboratory socket

Technical data Remote-controlled regulating power supply units (DC)

Output data	permanently short-circuit-proof, longitudinally regulated, can be connected in series and parallel	
Control deviation load change 0-100%	Voltage 2 mV/A	Current 0.02 mA/V
Temperature coefficient	Voltage 0.005%/K	Current 0.013 %/K
Ripple	Voltage 0.2 mV_{rms}	Current 0.2 mA_{rms}
Settling time	Load jump from 0% to 100% 15 µs	Load jump from 100% to 0% 500 µs
Ramp generator	for any voltage curves	
Ramp parameters	Start and end voltage, speed, duration per ramp step, number of cycles	
Outputs	4 mm safety laboratory sockets	
Interfaces (optional)	Ethernet, USB 2.0, RS232-C	

Rear interfaces (option)

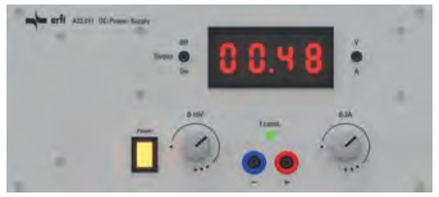
The interfaces enable the control of the control power supply units.
The erfi software *highlink Power* takes over the complete device control as well as the room control via Ethernet interface.

Ethernet, order no. NWT.1.106 USB
2.0, order no. NWT 1.107
RS 232 C, order no. NWT 1.108

Installation instructions

The output stage of the power supply unit is mounted in the cable tray or in a techcube underneath the table and wired accordingly.

Remote-controlled regulating power supply units (DC)

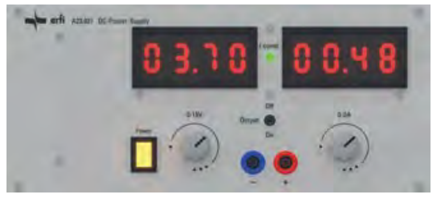


Single regulating power supply 0 - 30 V / 0 - 2 A, 49 TE

A digital display for voltage and current;

OUTPUT-OFF: Enables the deactivation of the output with simultaneous limitation of the max. output current (visualized in the display).

Horizontal order no. A23.015
Vertical order no. A23.015V

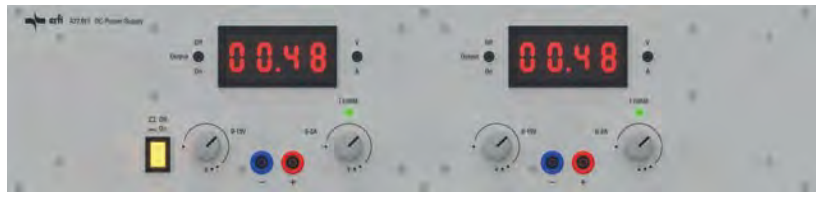


Single regulating power supply 0 - 30 V / 0 - 2 A, 49 TE

Two digital displays for voltage and current;

OUTPUT-OFF: Enables the deactivation of the output with simultaneous limitation of the max. output current (visualized in the display).

Horizontal order no. A23.025
Vertical order no. A23.025V

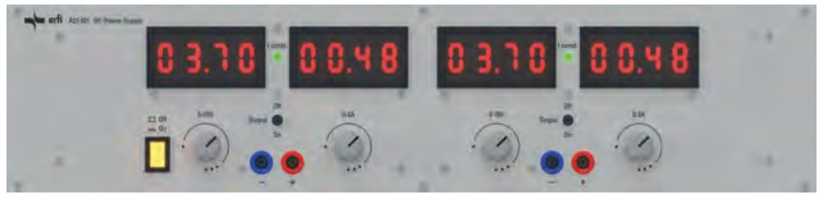


Double regulating power supply 2 x 0 - 30 V / 2 x 0 - 2 A, 98 TE

Two digital displays for voltage and current.

OUTPUT-OFF: Enables the deactivation of the output with simultaneous limitation of the max. output current (visualized in the display).

Horizontal order no. A27.015
Vertical order no. A27.015V

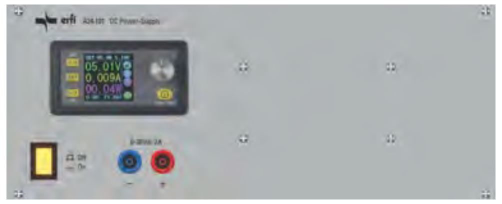


Double regulating power supply 2 x 0 - 30 V / 2 x 0 - 2 A, 98 TE

Four digital displays for voltage and current.

OUTPUT-OFF: Enables the deactivation of the output with simultaneous limitation of the max. output current (visualized in the display).

Horizontal order no. A27.025 Vertical
order no. A27.025V

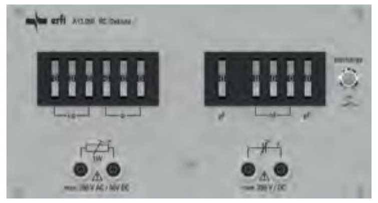


Programmable laboratory power supply 50 V / 5 A, 56 HP

Output voltage, current and power adjustable (0 - 50 V, 0 - 5 A). High resolution for current and voltage setting: 1 mA or 10 mV. Parameter memory for switch-off values (limit values). 10 data memories for presettings, 3.65 cm color display. Clear display of set and actual values, operating states, limit values. Key lock and automatic recall of the last settings when switching on.

Horizontal order no. A24.101
Vertical order no. A24.101V

Energy units



RC decade, 42 TE

Combination device with integrated R and C decade for experimental determination of resistance and capacitance values. *Discharge circuit:* push-button with changeover switch and discharge resistor 10 kOhm *Resistance:* 1 Ohm to 999.999 kOhm in steps of 1 Ohm

Accuracy:

± 1 % above 40 Ohm ± 4 % from 40 Ohm to 13 Ohm
± 6 % from 12 Ohm to 3 Ohm ± 10 % at 2 Ohm and 1 Ohm

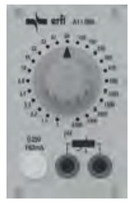
Load capacity max. 1 W / voltage max. 250 V (50 Hz) *Capacitance:* 100 pF to 9,9999 µF in steps of 100 pF *Accuracy:* ± 2 % over 1 nF
± 10 % from 1 nF to 100 pF

Horizontal order no. A13.050 Vertical order no. A13.050V

RC-Logade, 28 TE

For the experimental determination of resistance and capacitance values.
The resistance and capacitance can be set using a rotary switch.
Resistance: 100 Ohm to 680 kOhm Series E 6
Tolerance± 2 % / load capacity max. 0.5 W / voltage max. 400 V DC
Capacitance: 100 pF to 680 nF Series E 6
Tolerance± 10 % / voltage max. 250 V DC

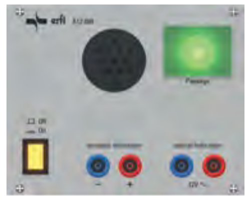
Horizontal order no. A12.050 Vertical order no. A12.050V



L-Logade, 14 TE

For the experimental determination of inductance values.
The inductance can be set using a rotary switch.
Value range: 1to 4700, graded according to series E 6 (23 values)
Accuracy: 1 µH to 33 µH± 10 %, 47 µH to 4700 µH± 5 %
Voltage max. 100 V DC / current max. 63 mA, protected by miniature fuse

Horizontal order no. A11.050
Vertical order no. A11.050V



Continuity tester optical and acoustic, 28 TE

Visually via green light field for low-impedance resistors, acoustically via loudspeaker for high-impedance resistors

Horizontal order no. A12.060
Vertical order no. A12.060V

Interface and connection panels

2 SubD connectors, 9-pin, 7 HP

incl. cable 1.8 m and mating socket

Horizontal order no. A10.003
Vertical order no. A10.003V

1 SubD socket, 25-pin, 7 HP

incl. cable 1.8 m and mating socket

Horizontal order no. A10.004
Vertical order no. A10.004V

1 DVI socket, 7 TE

incl. cable 1.8 m and mating socket

Horizontal order no. A10.022
Vertical order no. A10.022V

PC multimedia socket, 14 TE

3 x USB port,
2 x audio jack socket 3.5 mm, 1x multimedia card reader
(SD, MMC, SDHC, MS, MS pro, MS duo, MS produo) incl. cable 1.8 m

Horizontal order no. A11.202
Vertical order no. A11.202V

Safety laboratory socket PE, 7 TE

Protective conductor wired, 1 SLB[1] 4 mm

Horizontal order no. A10.045 Vertical order no. A10.045V

Insert plate Earthing bolt, 14 HP

3 x POAG earthing bolts

Horizontal order no. A10.102 Vertical order no. A10.102V

USB C charging socket up to 100 W, 7 TE

Horizontal order no. A10.160
Vertical order no. A10.160V

4-port USB hub, 7 TE

4-port USB port, USB 3.1

Horizontal order no. A10.154
Vertical order no. A10.154V

1 socket for mains plug, 7 TE for plug type C13:

Horizontal order no. A10.161
Vertical order no. A10.161V

for plug type C19:

Horizontal order no. A10.162
Vertical order no. A10.162V

RFID insert plate, 14 TE

For table release, incl. transponder chip (key fob)

Horizontal order no. A11.201
Vertical order no. A11.201V

Sash clamp PE, 7 TE

Sash terminal with SLB[1] wired to PE 4 mm^2

Horizontal order no. A10.058
Vertical order no. A10.058V

Front panel for status display of the DK 4 / DK 10 dual permanent monitoring **system** Front panel for optional integration of the visual status display of the DK 4 / DK 10 dual permanent monitoring system, see + accessories page 378

Horizontal order no. A13.095, 14 HP
Vertical order no. A13.095V, 21 HP

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[1] SLB: Safety laboratory socket

Modular interface panels

Modular interface panels

The modular interface panels consist of a base plate for mounting interface modules including mounting adapters.

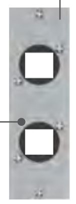
Interface modules for base plate - these must be ordered separately!

Base plate mounting 1 interface module, 7 HP

Horizontal order no. A10.200

Vertical order no. A10.200V

Base plate incl. mounting adapter for interface modules



Base plate mounting 2 interface modules, 7 HP horizontal Order no. A10.201

Vertical Order No. A10.201V

Modules for interface fields

each incl. cable 1.8 m and mating connector

RJ45 feed-through socket Cat. 6A

order no. M.001

USB A 3.0 feed-through socket

order no. M.002

USB A 3.0 to B socket

order no. M.003

USB B feed-through socket

order no. M.004

USB C feed-through socket

order no. M.005

USB A charging socket (suitable for base plate A10.200 / A10.200V), **order no. M.009**

USB C charging socket 5 V / 2.1 A (suitable for Ba- sis plate A10.200 / A10.200V), **order no. M.010**

Fiber optic module LC duplex feed-through socket order no. M.011

Fiber optic module SC Simplex feed-through socket order no. M.012

HDMI feed-through socket

order no. M.006

Display port feed-through socket

order no. M.007

Mini display port socket to plug order no. M.008

FireWire-IEE 1394 feed-through socket

order no. M.013

BNC feed-through socket

order no. M.014

F-through bushing

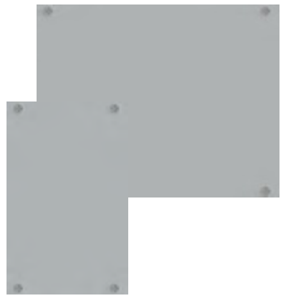
order no. M.015

IEC socket to F socket

order no. M.016

IEC plug to F socket order no. M.017

Insert plates



Empty plates

The unprinted blank panels in fixed size units are designed for both vertical and horizontal installation.

Empty plates

7 TE	14 TE	21 TE	28 TE	35 TE	42 TE	49 TE	56 TE
A01.000	A01.010	A01.011	A02.010	A02.011	A03.010	A03.011	A04.010
63 TE	**70 TE**	**77 TE**	**84 TE**	**91 TE**	**95 TE**	**98 TE**	
A04.011	A05.010	A05.011	A06.010	A06.011	A07.010	A08.010	

Colored blank panels

All empty panels are optionally available in the color of your choice.

Please specify the RAL shade.

Order no. A.MPF

Residual aperture

Variable size cover to complete the installation front.

Order no. A01.001

Insert plate for cavity wall box Ø 68 mm, 28 HP

Horizontal order no. A12.017

Vertical order no. A12.017V

Insert plate for cable outlet box, 21 TE

Ø 60 mm

Horizontal order no. A11.203

Vertical order no. A11.203V

Ø 80 mm

Horizontal order no. A11.204

Vertical order no. A11.204V

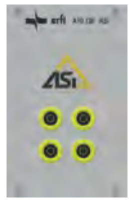
erfi-Didactic

erfi-Didactic for educational institutions
The insert boards of the erfi-Didactic series are useful for all assemblies in the training sector.

erfi
5 Sicherheitsregeln
Vor Beginn der Arbeiten
1. Freischalten
2. Gegen Wiedereinschalten sichern
3. Spannungsfreiheit feststellen
4. Erden und Kurzschließen
5. Benachbarte, unter Spannung stehende Teile abdecken oder abschranken

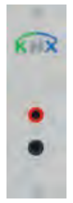
Safety rules for didactics, 28 TE
Front panel with 5 important safety rules for electronics laboratories. Black lettering on a yellow background.

Horizontal order no. A12.139 Vertical order no. A12.139V



ASi, 14 TE
4 SLB¹ 4 mm yellow, unwired, "ASi logo" imprint

Horizontal order no. A11.149
Vertical order no. A11.149V



KNX, 7 TE
2 SLB¹ 2 mm red / black, unwired, "KNX logo" imprint

Horizontal order no. A10.127
Vertical order no. A10.127V

PROFI BUS, 7 TE
2 Sub-D adapters (Genter changer) 9-pin, front female / rear female, "PROFI-BUS" imprint

Horizontal order no. A10.129
Vertical order no. A10.129V

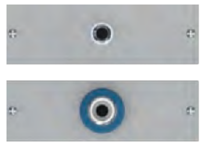
PROFI NET, 7 TE
2 RJ45 socket 8-pin pluggable on both sides, 3 m patch cable, "PROFI-NET" imprint

Horizontal order no. A10.128
Vertical order no. A10.128V

PC-USB oscilloscope, 42 TE
2- channel, 16 digital channels, 25 MHz, 200 MS/s, USB interface at the rear.
Spectrum analyzer, function generator, arbitrary waveform generator with serial bus analyzer.

Horizontal order no. A27.028
Vertical order no. A27.028V

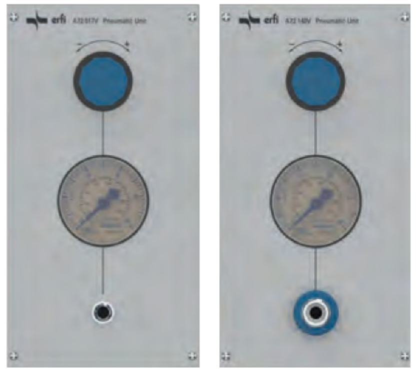
Pneumatic units



Dreturn air outlet, 7 TE
AOutlet: KD 3, DN 5 self-regulating /
KD 4, DN 7.2 self-canceling
BOperating pressure: Max. 10 bar
Inlet: Rear for hose, Ø 8 mm outside

with KD 3 coupling, DN 5:
Horizontal order no. A70.101
Vertical order no. A70.101V

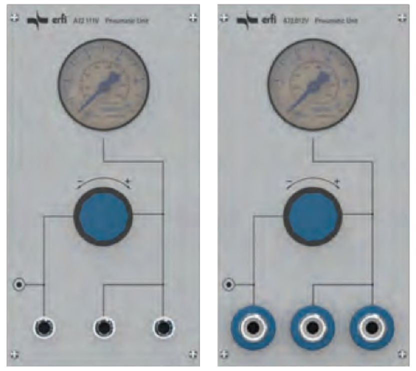
with KD 4 coupling, DN 7.2:
Horizontal order no. A70.103
Vertical order no. A70.103V



Pneumatic unit with pressure gauge
Output pressure for clutch:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Outlet: Coupling KD 3, DN 5 self-regulating /
KD 4, DN 7.2 self-adjusting
Inlet: Rear for hose, Ø 8 mm outside
Display: Pressure gauge

with KD 3 coupling, DN 5: Horizontal order no. A72.017, **35 TE Vertical order no. A72.017V**, **42 TE**

with KD 4 coupling, DN 7.2:
Horizontal order no. A72.140, **35 TE**
Vertical order no. A72.140V, **42 TE**

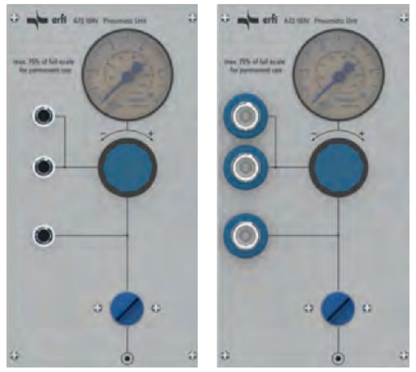


Pneumatic unit with pressure gauge
Output pressure for clutch 1 and 2:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Output pressure for clutch 3:
Direct tapping of the inlet pressure
Outlet: All 3 couplings KD 3, DN 5 self-regulating / KD 4, DN 7.2 self-adjusting
Inlet: Rear for hose, Ø 8 mm outside
Display: Pressure gauge

with KD 3 couplings, DN 5: Horizontal order no. A72.111, **35 TE Vertical order no. A72.111V**, **42 TE**

with KD 4 couplings, DN 7.2: Horizontal order no. A72.012, **35 TE Vertical order no. A72.012V**, **42 TE**

Pneumatic units



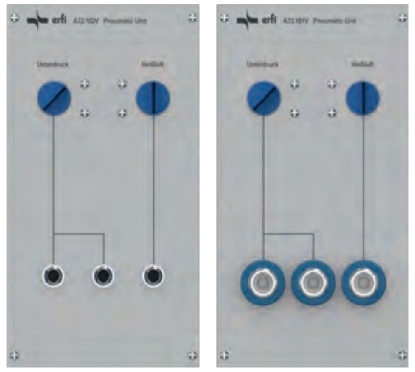
Pneumatic unit with pressure gauge

Output pressure for clutch 1 and 2:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Output pressure for clutch 3:
Direct tapping of the inlet pressure

Outlet:	All 3 couplings KD 3, DN 5 self-regulating / KD 4, DN 7.2 self-adjusting
Inlet:	Rear for hose, Ø 8 mm outside
Display:	Pressure gauge
Shut-off valve:	1x central shut-off valve

with KD 3 coupling, DN 5: Horizontal
order no. A73.104, 35 TE Vertical
order no. A73.104V, 42 TE

with KD 4 coupling, DN 7.2:
Horizontal order no. A73.103, 35 TE
Vertical order no. A73.103V, 42 TE



Pneumatic unit

For direct extraction of vacuum and compressed air, 10 bar

Output:	Vacuum: 2 fixed outputs Compressed air: 1 fixed output All 3 couplings KD 3, DN 5 self-regulating / KD 4, DN 7.2 self-canceling
Inlet:	Rear for hose, Ø 8 mm outside
Shut-off valve:	1 x for vacuum 1 x for compressed air

with KD 3 coupling, DN 5: Horizontal
order no. A73.102, 35 TE Vertical
order no. A73.102V, 42 TE

with KD 4 coupling, DN 7.2:
Horizontal order no. A73.101, 35 TE
Vertical order no. A73.101V, 42 TE

Solder fume extraction, 14 TE

With bulkhead fitting for the BMM hose

Horizontal Order No. A71.103
Vertical Order No. A71.103V

Shut-off valve, 28 TE

Shut-off valve for compressed air module

Horizontal order no. A72.130
Vertical order no. A72.130V

Soldering

Soldering station 80 W with digital display

- Electronic control electronics
- Temperature ranges 50 °C to 450 °C, adjustable via buttons
- 3-digit digital display for actual and setpoint value
- Tolerance +/- 2% of final value
- Automatic tool recognition
- External input device (WCB 1/ WCB 2, optional) can be connected for time and locking position.
- Potential equalization (basic state hard earthed)

Scope of delivery: Incl. soldering pencil WSP 80 and holder WPH for WSP 80

Horizontal order no. A13.060, (42 TE)
Vertical order no. A13.060V, (35 TE)

for 1 workstation

Table-top solder extraction unit

- Fully-fledged filter unit
- Efficient particle and gas filtration
- Odor elimination for individual workstations
- Simple filter change
- Filter status indicator (green/red light)
- Powerful fan / adjustable suction power
- Compact design, easy to move
- Stackable with all soldering station brands (max. footprint 13 cm x 18 cm)
- Can be connected to Weller soldering stations
- Illuminated work area
- ESD-safe

Technical data

Size (L x W x H):	270 x 212 x 110 mm
Power:	20 W
Capacity:	32 m^3/h
Max. Vacuum:	490 PA
Noise level:	50 dBA (59 dBA at full power)

Order no.: ELH1.600

for 1-2 workstations

Solder fume extraction 2

- 2 upright ESD extraction arms, Ø 50 mm, length 650 mm for table mounting
- Fixing by means of a mounting plate flush with the tabletop - the extraction arms can be removed at any time for a free, even surface
- Installation cable and table bracket
- Display for blocked filters
- Incl. remote control for air flow regulation
- ESD-safe

Technical data

Size (L x W x H):	260 x 260 x 420 mm
Weight:	10 kg
Filter:	Granulated carbon gas filter - ACF 99.997% HEPA filtration
Power:	140 W
Capacity:	180 m^3 / h (106CFM)
Noise level:	Under 55db (at normal operating speed)

Order no.: ELH1.680

Direct / piston extraction

for 1-2 workstations (for 2 FE soldering irons)

Compressed air solder fume extractor 3

- For under-sink mounting
- Maintenance-free compressed air converter
- For continuous industrial operation
- A compressed air cleaning filter also removes odors caused by compressed air
- ESD-safe

Technical data

Size (L x W x H):	140 x 140 x 200 mm
Weight:	2.7 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Performance:	6 bar
Capacity:	30 m^3 / h
Air consumption:	30 l / min
Max. Vacuum blower:	20,000 Pa
Noise level:	< 39 dB(A) (distance 1 m)

Order no.: ELH1.640

for 1-2 workstations (for 2 FE soldering irons)

Electric solder fume extractor 4

- Suitable for under-sink installation
- Electric vacuum pump
- 2 power levels
- Portable device for central use, with built-in pump *(not for continuous operation)*
- Maintenance-free capacitor motor with integrated thermal fuse (overload protection)
- ESD-safe

Technical data

Size (L x W x H):	140 x 140 x 295 mm
Weight:	4 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Power:	70 W
Capacity:	50 m^3/h
Max. Vacuum blower:	30,000 Pa
Noise level:	< 45 dB(A) (distance 1 m)

Order no.: ELH1.650

for up to 20 workstations

Suction unit with pipe system 5

- Electronically controlled, maintenance-free turbine generates the required negative pressure
- 4 castors for increased flexibility of the unit
- Use with a pipe system of up to 200 m (7874 in)
- Compatible nozzle WX
- ESD-safe

Technical data

Size (L x W x H):	450 x 450 x 695 mm
Weight:	approx. 45 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Power:	530 VA
Max. Vacuum blower:	10,000 Pa
Noise level:	< 51 dB(A) (distance 1 m)
USB port:	For firmware updates, Performance tests, data logging

Order no.: ELH01.630

Surface extraction

for 1-2 workstations

Solder fume extraction 6

- For continuous operation in industrial environments
- Maintenance-free brushless EC turbine
- F7 fine dust pre-filter and extra-large HEPA H13 filter surface with 2.4 m^2 for particularly long filter service life
- Adjustable suction power
- Automatic filter change notification system
- Portable suction unit
- Compatible nozzle WX WT

Technical data

Size (L x W x H):	335 x 330 x 445 mm
Weight:	9 kg
Filter:	Compact filter particle filter H13 and granular activated carbon filter
Power:	120 W
Capacity:	190 m^3 /
h Max. Vacuum blower:	3,000 Pa
Noise level:	<50 dB(A) (distance 1 m)

Scope of delivery

- Suction unit for 1-2 workstations
- 1 suction arm (approx. 1 m) with suction hose approx. 3 m, shut-off valve with table attachment, remote switch and funnel nozzle

Note: 2nd hose for 2nd workstation must be ordered separately!
Order no.: ELH1.660

Order no.: ELH1.620

for 2-4 workstations

Solder fume extraction 7

- Constant Flow Control (CFC) function: Optimally regulated extraction for each individual workstation
- Electronic filter control (optical and acoustic)
- 4 castors for increased flexibility of the unit
- Compatible nozzle WX WT
- ESD-safe

Technical data

Size (L x W x H):	345 x 325 x 505 mm
Weight:	19 kg
Filter:	Compact filter particle filter H13, broadband gas filter (50 % activated carbon / 50 % potassium permanganate)
Power:	275 VA
Capacity:	230 m^3 / h
Max. Vacuum blower:	3,800 Pa
Noise level	< 48 dB(A) (distance 1 m)
USB port:	For firmware updates, power Performance tests, data logging
RS232 port:	For remote control by a PC, optionally with remote control

Scope of delivery

- Suction unit for 2-4 workstations
- 2x flexible Easy-Click 60 suction arm with funnel nozzle, throttle valve, table clamps

Order no.: ELH1.610

Accessories suitable for solder fume extraction 6 and 7

Suction arm

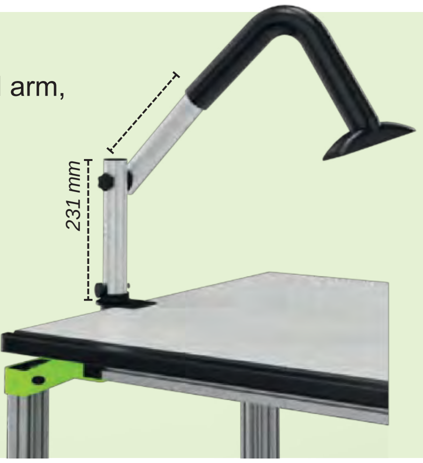
1 suction arm (approx. 1 m) with suction hose approx. 3 m, shut-off valve with Table mounting, remote switch and funnel nozzle.

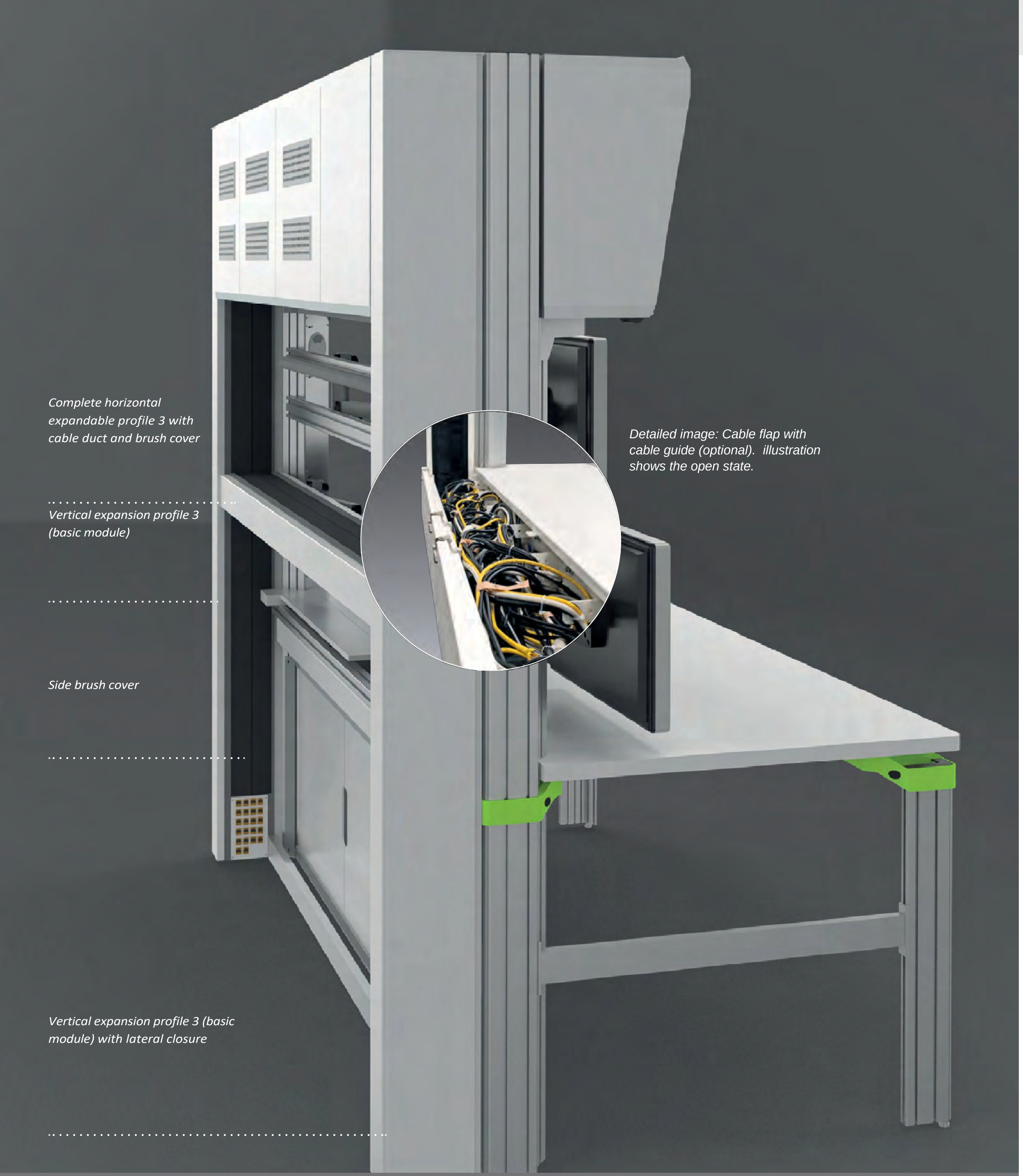
Order no.: ELH1.660

Stand suction arm

1 suction arm with stand arm, funnel nozzle (W x H): 230 x 100 mm) and butterfly valve with table clamps.
Flexible extraction arm, length: 0.7 m.
Suction hose 3 m.

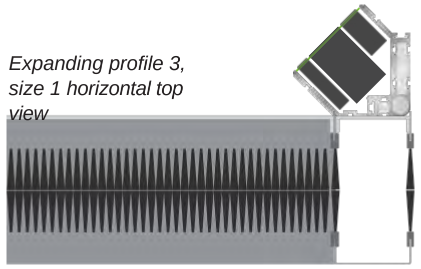
Order no.: ELH1.670

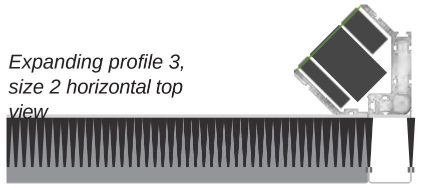



Complete horizontal expandable profile 3 with cable duct and brush cover
Vertical expansion profile 3 (basic module)
Side brush cover
Vertical expansion profile 3 (basic module) with lateral closure
Detailed image: Cable flap with cable guide (optional). illustration shows the open state.

Expansion profile 3

The vertical and horizontal expandable profile 3 In addition to the expandable profiles 1 and 2, the expandable profile 3 accommodates additional media. It is available in 2 sizes. Particularly large cable quantities (size 1) or medium-sized cable quantities (size 2) can be stowed in the table construction to save space. The profile system is accessible from the front or rear, depending on the installation, and allows wiring between the tables at any height. The system can of course also be used without the vertical expansion profiles.


Expanding profile 3, size 1 horizontal top view
L-profile with expansion profile 2
Expanding profile 3, size 1 vertical plan view


Expanding profile 3, size 2 horizontal top view
L-profile with expansion profile 2
Expanding profile 3, size 2 vertical plan view

Horizontal alignment: The horizontal alignment enables horizontal media routing and the connection of the two vertical left and right expander profiles.

Special properties

- **Size 1:** System height 90 mm, system depth 185 mm
- **Size 2:** System height 40 mm, system depth 60 mm
- Can be docked onto the rear of the L-profile and is height-adjustable
- Useful under storage shelves and appliance cockpits

Vertical alignment: The vertical alignment of the Expand profile 3 extends the L-foot profile to the rear and thus ensures extended and intelligent media guidance in the vertical plane.

Special properties

- **Size 1:** System width 90 mm, system depth 185 mm
- **Size 2:** System width 40 mm, system depth 60 mm
- Side brush cover over the entire height
- Metal rear panel
- Internal holder for cable sorting (optional)
- Can be docked to the rear of the L-profile
- Kink-free media entry in all directions
- Exterior with side finish can be veneered

Vertical expansion profile 3				Horizontal expansion profile 3	
Vertical table height mm	Basic module	Side brush cover	Lateral end module	Horizontal table width mm	Complete module
Size 1: System depth 185 mm					
780	ELC2.14.780.1.X	ELC2.14.780.2	ELC2.14.780.3	**1200**	ELC2.14.1200.H
1200	ELC2.14.1200.1.X	ELC2.14.1200.2	ELC2.14.1200.3	**1600**	ELC2.14.1600.H
1400	ELC2.14.1400.1.X	ELC2.14.1400.2	ELC2.14.1400.3	**1800**	ELC2.14.1800.H
1500	ELC2.14.1500.1.X	ELC2.14.1500.2	ELC2.14.1500.3	**2000**	ELC2.14.2000.H
1800	ELC2.14.1800.1.X	ELC2.14.1800.2	ELC2.14.1800.3		
2000	ELC2.14.2000.1.X	ELC2.14.2000.2	ELC2.14.2000.3		
2200	ELC2.14.2200.1.X	ELC2.14.2200.2	ELC2.14.2200.3		
Size 2: System depth 60 mm					
780	ELC2.14.780.4.X	ELC2.14.780.5	ELC2.14.780.6	**1200**	ELC2.14.1200.2H
1200	ELC2.14.1200.4.X	ELC2.14.1200.5	ELC2.14.1200.6	**1600**	ELC2.14.1600.2H
1400	ELC2.14.1400.4.X	ELC2.14.1400.5	ELC2.14.1400.6	**1800**	ELC2.14.1800.2H
1500	ELC2.14.1500.4.X	ELC2.14.1500.5	ELC2.14.1500.6	**2000**	ELC2.14.2000.2H
1800	ELC2.14.1800.4.X	ELC2.14.1800.5	ELC2.14.1800.6		
2000	ELC2.14.2000.4.X	ELC2.14.2000.5	ELC2.14.2000.6		
2200	ELC2.14.2200.4.X	ELC2.14.2200.5	ELC2.14.2200.6		

Cable flap with cable guide function (optional) **Order no.:** ELC2.14.KF
Internal holder for cable sorting (optional) **Order no.:** ELC2.14.KS

Ordering information: Please replace the "x" with the desired mounting position L= left, R= right or LR= left and right.

Mobile pedestal ELC.6.1.544.C.1, optionally with ergonomic functional handles in elneos green, order no. ELCCS4.

Mobile pedestal ELC.6.1.544.C.1, optionally with touch-to-open, Order no.: EL6.9.3.

Mobile pedestal ELC.6.1.544.C.1, optionally with handle profile strips on the side left and right, anodized aluminium, order no. ELCCS2.

Mobile pedestal ELC.6.1.544.C.1, with bow handles as standard, black.

Container program

The elneos® connect container program

The *elneos connect* container program differs from other container systems in the following key advantages:

1. Smart close technology fitted as standard;
2. Special chassis for maximum stability;
3. Roll container can converted into a hanging container at any time;
4. High-quality design castors with ø 75 mm and improved running properties: 200 kg static load per castor, 100 kg dynamic load per castor;
5. Material tray with improved division and usable height 40 mm

Special features

1. Smart close technology

elneos connect offers Smart Close technology as standard. When closing, the drawer is slowed down over the last few centimeters and glides gently into its final position without hitting the floor.

2. Touch-to-open technology

With touch-to-open, all you have to do is press lightly on the front and the drawer opens. After the opening process, you decide for yourself how wide the drawer should be open. Touch-to-open makes container handles and side handles superfluous. The panels are smooth on all sides and offer maximum safety. Even when the drawers are open, the risk of injury is minimized as there are no protruding edges or corners.

3. Electronic central locking optional

On request, the containers are available with electronic central locking (transponder technology).

4. Roll container with special chassis

For special requirements in classrooms or in harsh industrial environments, *elneos connect* mobile pedestals have a reinforced metal chassis as standard. This reliably prevents the castors from tearing out.

Wide range of variants

- Mobile pedestals - wall-mounted pedestals - free-standing pedestals, each in system widths 430 mm and 330 mm
- 19-inch base cabinets - PC base cabinets

Technical versions

- All models also available in a conductive version.
- Body made of directly coated chipboard with a high-quality look and low noise levels.
- Equipped with steel drawers for organization.
- Top drawer with particularly high insert for writing utensils (40 mm) and significantly improved partitioning as standard; front height 1 U (U = height unit, 1 U = 50 mm).
- Drawer front heights from 2 U to 6 U.
- Suspended pedestal can be mounted at any position on the aluminum table frame.
- All wall units are equipped with a stop control function (only one drawer can be pulled out at a time).
- All mobile pedestals have a Stop-Control-Plus function. This function ensures that only one drawer can open if a door threshold or similar is crossed. The drawers are locked in a tamper-proof manner. This prevents them from falling over unintentionally.
- Drawers with a front height of 6 U are fitted with full-extension runners as standard.
- Drawer usable depth 490 mm, alternatively 690 mm
- High-quality full-extension drawer runner, 4 ball bearings, available for every drawer incl. self-cleaning function for a long service life.

Handles for containers

Bow handle, black Serie

Side handle profile strips left and right, Anodized aluminium ELCCS2

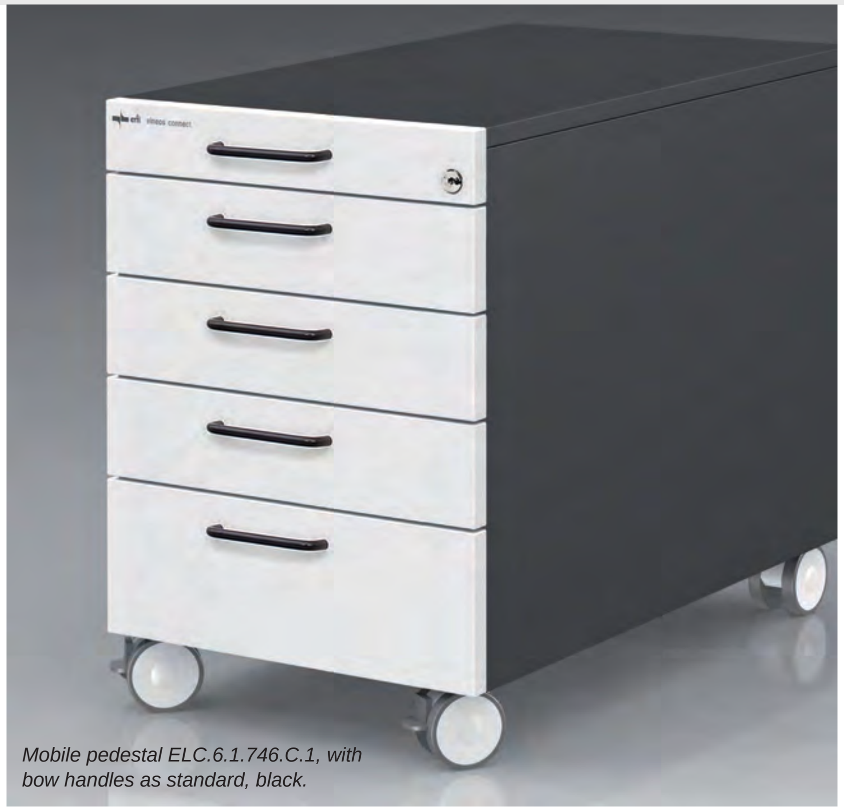
ergonomic functional handle graphite black (RAL 9011) ELCCS1

Ergonomic functional handle blue (NCS-S-1565-B) ELCCS3

Ergonomic functional handle elneos green (RAL DESIGN 1107070) ELCCS4

Ergonomic functional handle zinc yellow (RAL1018) ELCCS5

Roll container



Mobile pedestal ELC.6.1.746.C.1, with bow handles as standard, black.

The main advantages

- Touch-to-open (opens with light pressure)
- Special trolley and 75 mm design rollers with very good running characteristics
- Convertible to hanging container
- Improved material tray
- Continuous top plate

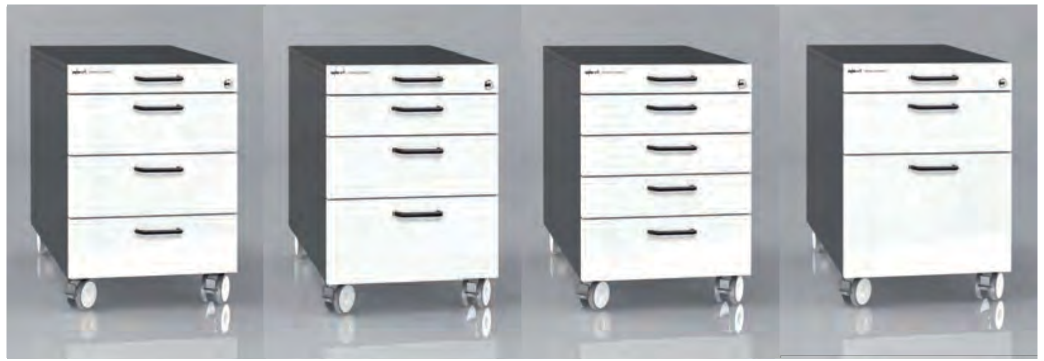
Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white
Rollers: ESD version

Roll container

Depth	Width	Useful depth	Version A division: 1 x 1 U, 3 x 3 U;	Version B division: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;	Version C division: 1 x 1 U, 3 x 2 U, 1 x 3 U;	Version D division: 1 x 1 U, 1 x 3 U, 1 x 6 U;
640 mm	430 mm	490 mm	ELC6.1.544.A.x	ELC6.1.544.B.x	ELC6.1.544.C.x	ELC6.1.544.D.x
640 mm	330 mm	490 mm	ELC6.1.534.A.x	ELC6.1.534.B.x	ELC6.1.534.C.x	ELC6.1.534.D.x
790 mm	430 mm	490 mm	ELC6.1.744.A.x	ELC6.1.744.B.x	ELC6.1.744.C.x	ELC6.1.744.D.x
790 mm	430 mm	690 mm	ELC6.1.746.A.x	ELC6.1.746.B.x	ELC6.1.746.C.x	ELC6.1.746.D.x
790 mm	330 mm	490 mm	ELC6.1.734.A.x	ELC6.1.734.B.x	ELC6.1.734.C.x	ELC6.1.734.D.x
790 mm	330 mm	690 mm	ELC6.1.736.A.x	ELC6.1.736.B.x	ELC6.1.736.C.x	ELC6.1.736.D.x

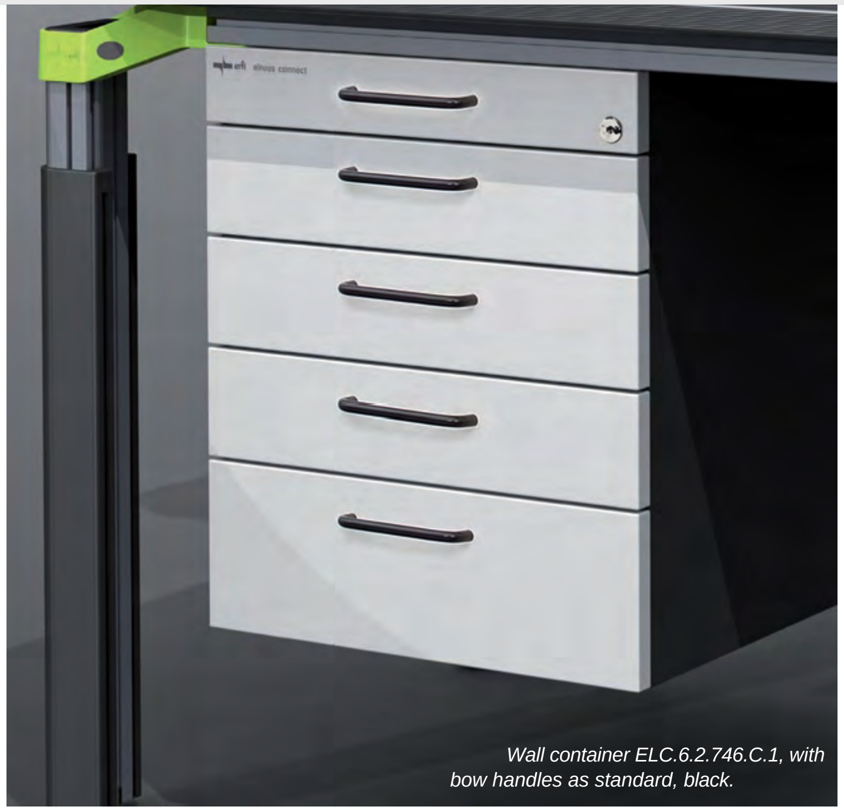
Note:
Container height: 612 mm (incl. castors); drawer division specified in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!



Options	
Full-extension runner for drawer depth 490 mm	ELC6.9.1
Full-extension runner for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Suspended container



Wall container ELC.6.2.746.C.1, with bow handles as standard, black.

The main advantages

- Touch-to-open (opens with light pressure)
- Convertible to hanging container
- Improved material tray
- Moun able at any point of the frame

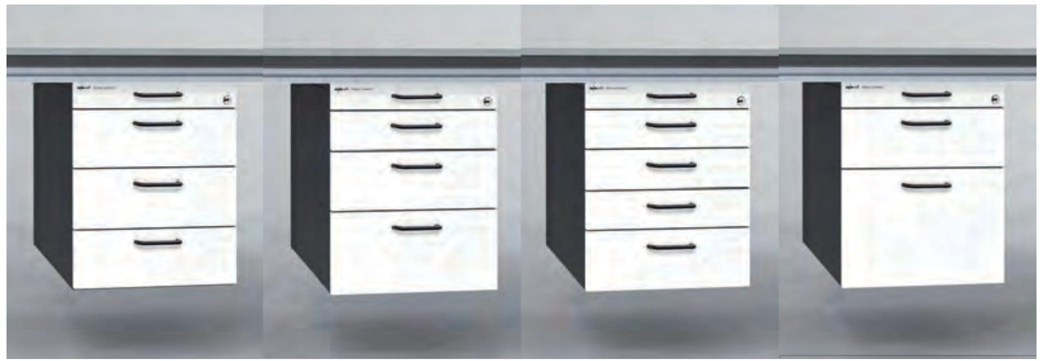
Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white

Suspended container

Depth	Width	Useful depth	Version A division: 1 x 1 U, 3 x 3 U;	Version B division: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;	Version C division: 1 x 1 U, 3 x 2 U, 1 x 3 U;	Version D division: 1 x 1 U, 1 x 3 U, 1 x 6 U;
640 mm	430 mm	490 mm	ELC6.2.544.A.x	ELC6.2.544.B.x	ELC6.2.544.C.x	ELC6.2.544.D.x
640 mm	330 mm	490 mm	ELC6.2.534.A.x	ELC6.2.534.B.x	ELC6.2.534.C.x	ELC6.2.534.D.x
790 mm	430 mm	490 mm	ELC6.2.744.A.x	ELC6.2.744.B.x	ELC6.2.744.C.x	ELC6.2.744.D.x
790 mm	430 mm	690 mm	ELC6.2.746.A.x	ELC6.2.746.B.x	ELC6.2.746.C.x	ELC6.2.746.D.x
790 mm	330 mm	490 mm	ELC6.2.734.A.x	ELC6.2.734.B.x	ELC6.2.734.C.x	ELC6.2.734.D.x
790 mm	330 mm	690 mm	ELC6.2.736.A.x	ELC6.2.736.B.x	ELC6.2.736.C.x	ELC6.2.736.D.x

Note:
Container height 527 mm Drawer division specified in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!



Options	
Full-extension runner for drawer depth 490 mm	ELC6.9.1
Full-extension runner for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Pedestal

Pedestal ELC.6.3.746.C.1, with bow handles as standard, black.

The main advantages

- Smart close technology
- Convertible to large mobile container
- Improved material shell
- Can be mounted at any point on the frame

Please replace the "x" in the order number with the desired decor of the container.

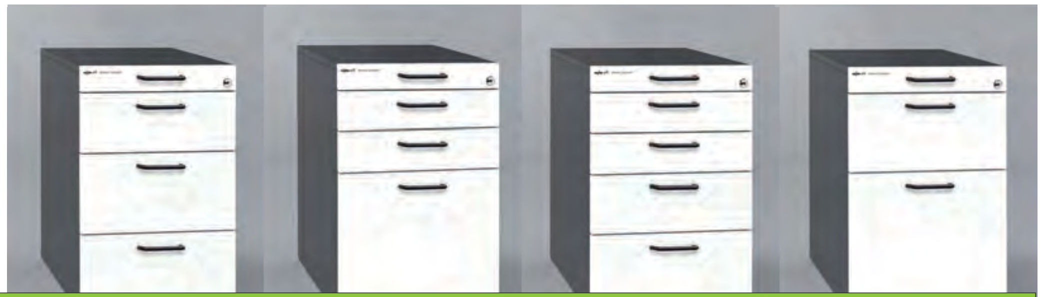
Decor 1 *Non-conductive decor*
Fronts: Front white
Carcass: graphite black
Decor 2 *Non-conductive decor*
Fronts: Front white
Carcass: Front white
Decor 3 *ESD version*
Fronts: Front white
Carcass: Front white

Pedestal

Depth	Width	Useful depth	Version A division: 1 x 1 U, 1 x 3 U, 2 x 4 U;	Version B division: 1 x 1 U, 2 x 2 U, 1 x 7 U;	Version C division: 1 x 1 U, 2 x 2 U, 1 x 3 U, 1 x 4 U;	Version D division: 1 x 1 U, 1 x 4 U, 1 x 7 U;
640 mm	430 mm	490 mm	ELC6.3.544.A.x	ELC6.3.544.B.x	ELC6.3.544.C.x	ELC6.3.544.D.x
640 mm	330 mm	490 mm	ELC6.3.534.A.x	ELC6.3.534.B.x	ELC6.3.534.C.x	ELC6.3.534.D.x
790 mm	430 mm	490 mm	ELC6.3.744.A.x	ELC6.3.744.B.x	ELC6.3.744.C.x	ELC6.3.744.D.x
790 mm	430 mm	690 mm	ELC6.3.746.A.x	ELC6.3.746.B.x	ELC6.3.746.C.x	ELC6.3.746.D.x
790 mm	330 mm	490 mm	ELC6.3.734.A.x	ELC6.3.734.B.x	ELC6.3.734.C.x	ELC6.3.734.D.x
790 mm	330 mm	690 mm	ELC6.3.736.A.x	ELC6.3.736.B.x	ELC6.3.736.C.x	ELC6.3.736.D.x

Note:
Container height 647 mm Drawer division specified in U.

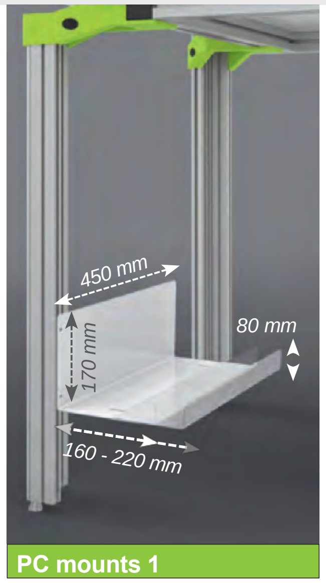
1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!



Options

Full-extension runner for drawer depth 490 mm	ELC6.9.1
Full-extension runner for drawer depth 690 mm	ELC6.9.2
Smart close instead of touch-to-open	ELC6.9.3
Electronic central locking	ELC6.9.4

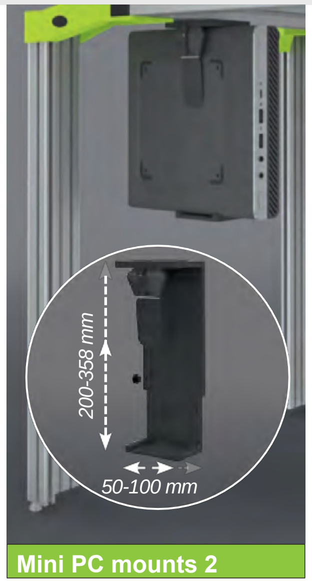
19" container and PC integration



PC mounts 1

variable width,
Can be mounted on the left or right of the base profile

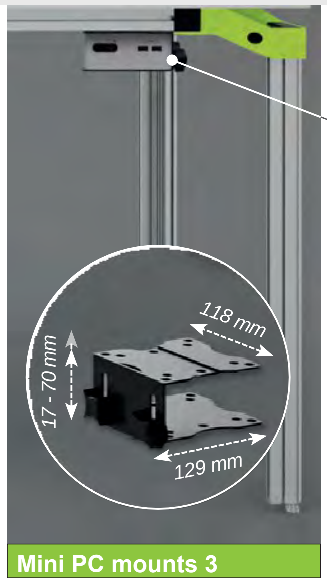
Order no.: ELC6.6.257

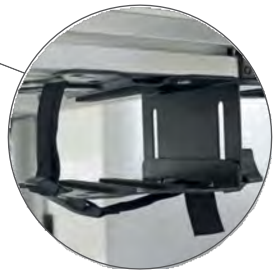


Mini PC mounts 2

Variable width / height, can be mounted on the left or right outside of the 40 / 40 profile, Loadable up to 10 kg

Order no.: ELC6.6.257.2





Mini PC mounts 3

Variable height, left or right
can be mounted on the front of the 40 / 40 profile, loadable up to 5 kg, incl. tensioning straps
Order no.: ELC6.6.257.3

Please replace the "x" in the order number with the desired decor of the container. **Decor 1** *Non-conductive decor* Fronts: Front white
Body: graphite black
Decor 2 *Non-conductive decor*
Fronts: Front white
Carcass: Front white
Decor 3 *ESD version*
Fronts: Front white
Carcass: Front white

19-inch container (13 U)

Depth	Width	Order no.
620 mm	525 mm	ELC6.4.550.A.x
770 mm	525 mm	ELC6.4.750.A.x

Options 19-inch pedestals (H: 647 mm)

Closed front door incl. lock and handle	ELC6.9.5
Glass door incl. lock and handle	ELC6.9.6

PC pedestal

Depth	Width	Order no.
620 mm	270 mm	ELC6.5.520.A.x
770 mm	270 mm	ELC6.5.720.A.x

PC pedestal options (H: 647 mm)

Closed front door incl. lock	ELC6.9.7
Glass door incl. lock	ELC6.9.8

Drawer equipment

Form filing records
adjustable angle; black plastic; for neat arrangement of A4 pages;

Plug-in suspension frame
Nickel-plated steel, black plastic; for hanging A4 suspension files and folders;

- Drawer front height 6 U
- including intermediate bars

(1 for usable depth 490 mm, 2 for usable depth 690 mm)

Stamp holder
Powder-coated black steel; for 8 stamps and date stamps;

Form filing records		
Equipment	**Size**	**Order no.**
Form filing set 6-fold consisting of: • 6 Form trays • 4 dividers	for drawers with usable width 327 mm, Useful depths 490 or 690 mm and container width 430 mm	ELC6.8.301
Form filing set 11-fold consisting of: • 11 Forms repositories • 8 drawer dividers	for drawers with usable width 327 mm, usable depth 690 mm and Container width 430 mm	ELC6.8.302

Plug-in suspension frame		
Size	**Effective depth**	**Order no.**
for usable width 327 mm and container width 430 mm	490 mm	ELC6.8.305
	690 mm	ELC6.8.306

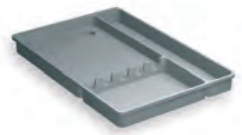
Flexible material tray/stamp holder	
Size	**Order no.**
327 x 110 x 30 mm and container width 430 mm	ELC6.8.309
	ELC6.8.307

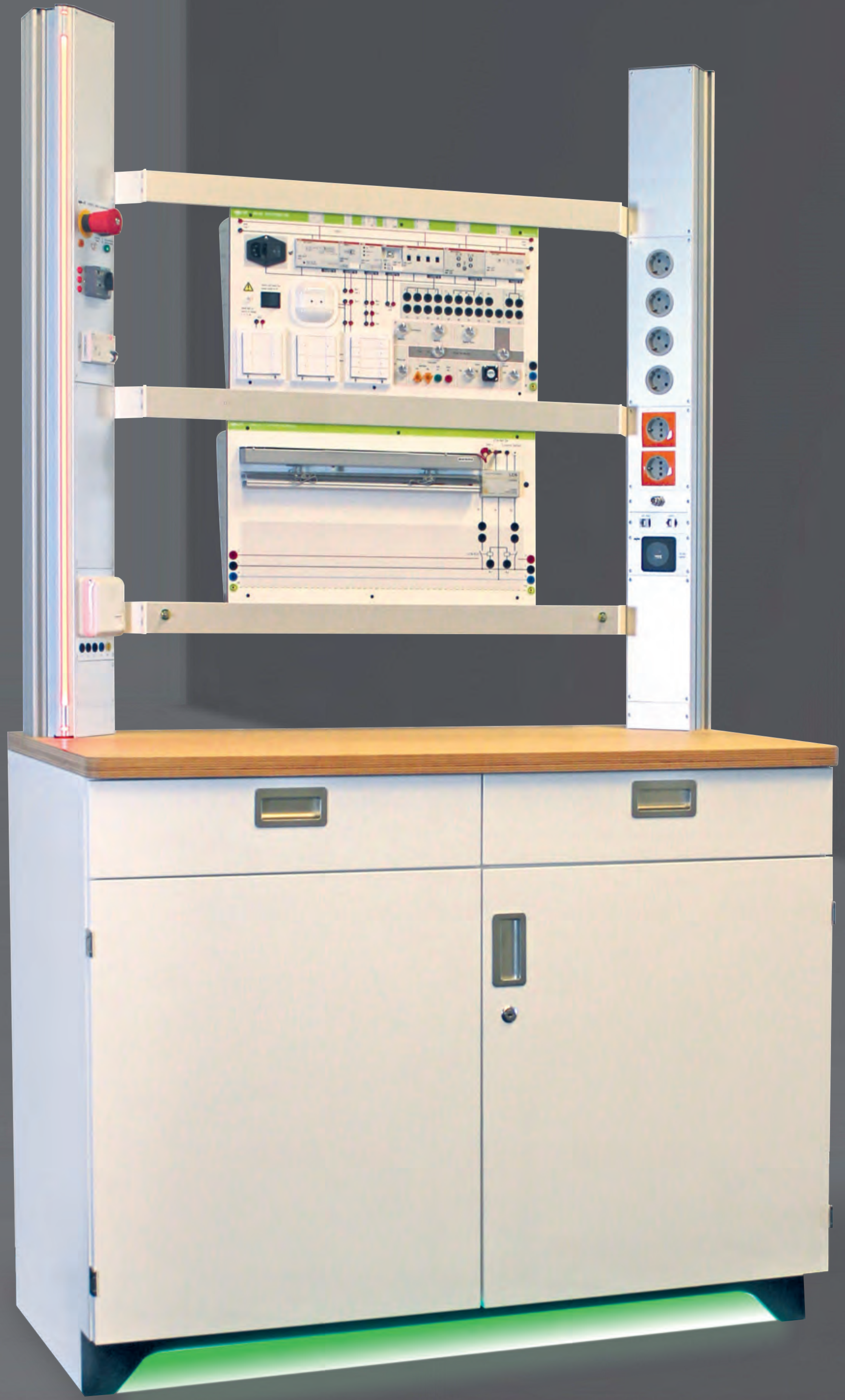
Separating elements	Kind	Equipment	Size	Order no.
	Divider Double-walled with side catches for firm locking in the side panel	Powder-coated steel black	327 x 10 x 76 mm	ELC6.8.102
		Black plastic	327 x 10 x 76 mm	ELC6.8.103
	Compartment divider	Powder-coated steel black	A4: 310 x 1 x 72 mm	ELC6.8.104
			A5: 220 x 1 x 72 mm	ELC6.8.105
			A6: 150 x 1 x 72 mm	ELC6.8.106
			A7: 110 x 1 x 72 mm	ELC6.8.107
	Map bar (2 pieces required) with side catches for locking in the side panel	Powder-coated steel black	327 x 65 x 78 mm	ELC6.8.202
	Pendulum plate for insertion into 2 card strips	Powder-coated steel black	A4 landscape: 317 x 1 x 210 mm	ELC6.8.203
			A5 landscape: 227 x 1 x 148 mm	ELC6.8.204
			A6 landscape: 167 x 1 x 105 mm	ELC6.8.205

Order example with order no. ELC6.8.403

Flexible material tray, black plastic; for placing in steel drawer;

Drawer inserts
Plastic drawer inserts are used for the orderly storage of small parts and tools. There are 6 inserts suitable for drawer depth 490 mm and 1 additional insert for drawer depth 690 mm

Drawer inserts	Equipment	Container width	Size	Order no.
	Drawer insert • with 3 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.401
	Drawer insert • with 6 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.403
	Drawer insert • 2-piece • with a total of 25 compartments • for small parts	430 mm	327 x 490 x 40 mm	ELC6.8.406
	Supplementary use for drawer usable depth 690 mm • with 3 compartments	430 mm	327 x 200 x 40 mm	ELC6.8.407



elneos® Didactic

enjoy learning

Room control software highlink® Power 178
Tables with integrated swivel superstructures 188
Tables with integrated TFT retractable units 190
Recessed tables - Set table! 192
Laboratory benches with mobile extension tables 194
Wall-mounted workstations with storage space....198
compact-line - mobile and flexible 200
Mechaline for pneumatics, hydraulics, sensors....202
Hexagonal workbenches....205
Desktop superstructures 19-inch octagon / equipment rack 208
Container for dual use 209
Didactic-Mobile 210
Experimental frame between base profiles....212
Movable experimental frame 214
Experiment frame pivotable / movable 215
Experimental frame on tabletop / table top....216
Accessories for experimental frames....217
Measuring cable trolley 221

Room control software highlink ® Power

The company's own software package *highlink Power* has been on the market since 1990 and over 3,000 licenses have been sold since then. The software is constantly being further developed and a special feature is the visualization of erfi device functions and the status of the laboratory benches and rooms. The *highlink Power* software package is a modern tool that is used in both education and industry.

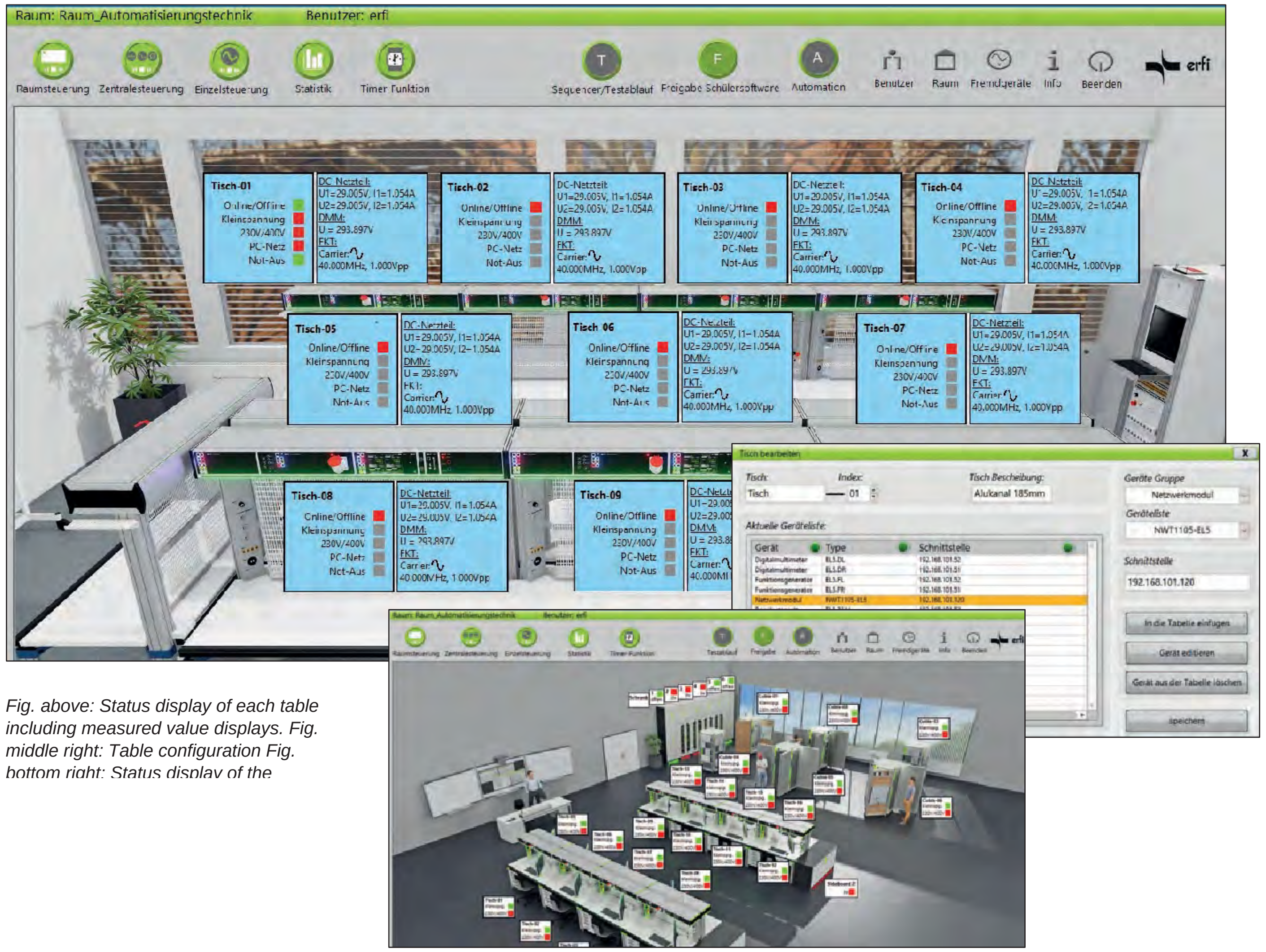

Raum: Raum_Automatisierungstechnik
Benutzer: erfi
Raumsteuerung
Zentralesteuerung
Einzelsteuerung
Statistik
Timer Funktion
Sequencer/Testablauf
Freigabe Schülersoftware
Automation
Benutzer
Raum
Fremdgeräte
Info
Beenden
Tisch-01
Tisch-02
Tisch-03
Tisch-04
Tisch-05
Tisch 06
Tisch-07
Tisch-08
Tisch-09
Online/Offline
Kleinspannung
230V/400V
PC-Netz
Not-Aus
DC-Netzteil:
DMM:
FKT:
Tisch bearbeiten
Geräte Gruppe
Netzwerkmodul
Geräteliste
Schnittstelle
192.168.101.120
In die Tabelle einfügen
Gerät editieren
Gerät aus der Tabelle löschen
Speichern

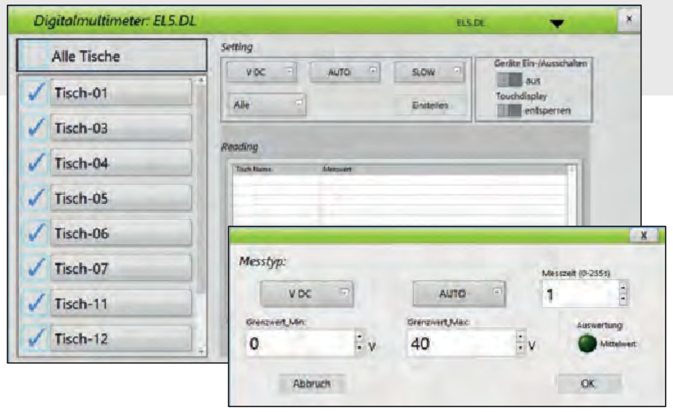
Fig. above: Status display of each table including measured value displays. Fig. middle right: Table configuration Fig. bottom right: Status display of the

Visualization of the laboratories

Thanks to the powerful software package, your laboratory rooms can be visualized within a very short time (see main screen image) and you can record all laboratory conditions at a glance. The experienced room plan manager allows you to freely select rooms for more extensive objects. If required, this package also allows you to access rooms in other buildings.

Interfaces

- The software works web-based, alternatively locally.
- Useful interfaces can be created to the *CANDY Power and Assembly Workflow Management (AWM)* software packages.
- MQTT interface
- OPC UA


Digitalmultimeter: ELS.DL
Alle Tische
Tisch-01
Tisch-03
Tisch-04
Tisch-05
Tisch-06
Tisch-07
Tisch-11
Tisch-12
Setting
V DC
AUTO
SLOW
Reading
Messtyp:
Grenzwert Min:
Grenzwert Max:
0
40
Abbruch
OK

Control and adjust the digital multi-meters on various laboratory benches.

highlink® Power Room and device display

- Representation of a photorealistic 3D room layout
- Background freely selectable through fade-in graphics
- Photorealistic device display
- Freely programmable graphic room layout, enabling immediate status recording of all laboratory benches
- Multi-level color concept

highlink® Power Laboratory Room Manager

Individual room plans can be selected and controlled remotely for extensive building facilities thanks to the networking. All necessary functions of the respective room can be set from the central workstation control (teacher / laboratory manager).

- Free room configuration with regard to name, number of tables, IP assignment and the devices defined for each table
- Comprehensive assignment of user rights per table and device
- Remote control of all device groups and functions
- Password management for individual access rights
- Table group formation
- State-of-the-art network technology (LAN, WLAN, ...)
- Control and release of individual function groups:
  - General release
  - 50 V / 230 V / 400 V / PC mains and much more.
  - Retractable and swivel tables
- Visualization of all states:
  - Release granted or not granted
  - 50 V / 230 V / 400 V release / PC network and much more.
  - Position of the lowering and swivel tables
  - Emergency stop function
- Individual control of the individual workstations from the trainer and laboratory manager workstation

highlink® Power Fault Manager

- Recognize faults / avoid operating errors

highlink® Power data management

- Dashboard
- Professional measurement data logging with integrated reporting generator
- Measurement data display in SQL database
- Recording and playback function of the measurement curves
- Simulation of expected measurement curves (target/actual)
- Limitation of setting ranges for individual workstations
- Visualization and transfer of individual screen contents to any number of workstations
- Automated test sequences for sequential test steps

highlink® Power in training

- Any number of test sequences / parameterizations can be saved / retrieved per student station (laboratory station configurator)
- Student-related assessment for individual experiments
- Optimum lesson planning thanks to time-controlled parameterization of all functions (immediate start of lessons / optimum use of time)
- Increased learning quality
- Outstanding didactic teaching qualities
- Digital work tasks
- Manual and automated measuring sequences
- Indication of work instructions
- Programming of experiments
- Logging of test data and results
- Flow table

highlink® Power and erfi Didactic

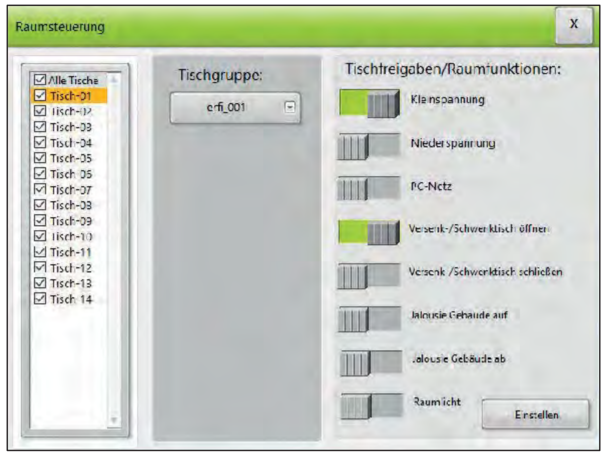
Holistic concept through elegant integration of the erfi teaching aid systems from the *erfi Didactic* program and the teaching aids from *Festo Didactic SE.*

- Automation technology with *Logo!* and *S7*
- Building automation
- User administration
- Ipad integration/touch panel PC
- Test systems and statistics, and much more.

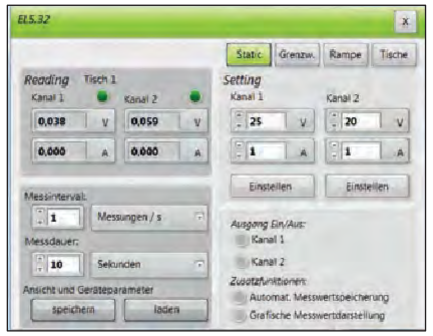
highlink® Power test timer

The test timer allows you to define a clear time limit for a test situation. A freely editable timer and an assignable device function or voltage disconnection enable a clear time limit. The timer counts down visibly as a countdown. Once the test time has elapsed, the system automatically switches off the laboratory benches with the selected voltage levels or deactivates the device functions and blocks access to them.

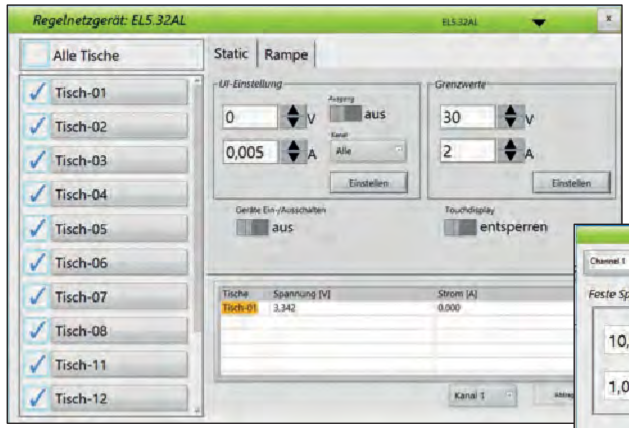
Room control software highlink® Power

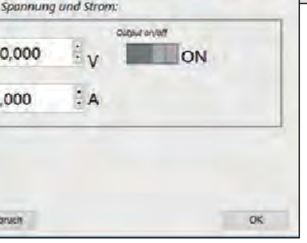

Raumsteuerung
Tischgruppe:
Tischfreigaben/Raumfunktionen:
Kleinspannung
Niederspannung
PC-Netz
Einstellen

Room control by means of targeted release of individual laboratory tables.

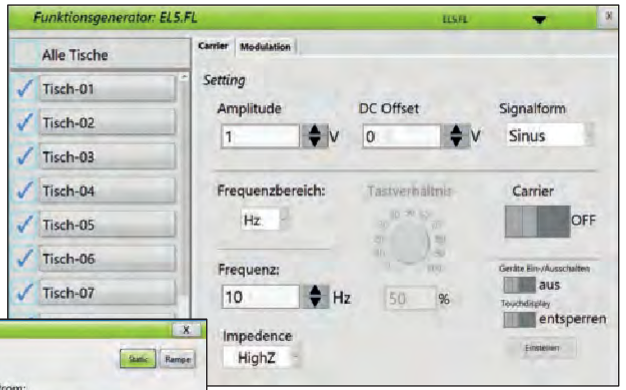

EL5.32
Static
Rampe
Reading
Setting
Einstellen

Example of a DC source: power supply unit with voltage and current limiting (U_{max} and I_{max}) and automatic data storage.

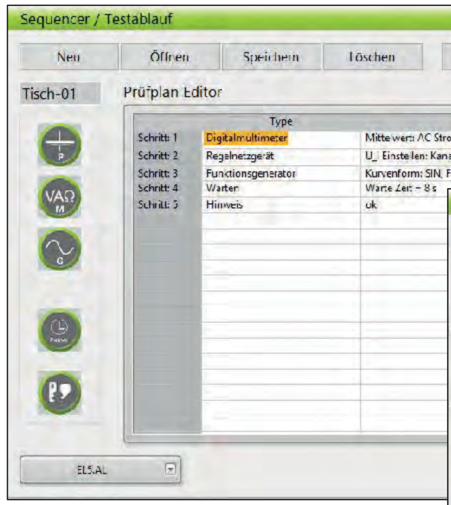

Regelnetzgerät: EL5.32AL
Alle Tische
Tisch-01
Tisch-02
Tisch-03
Tisch-04
Tisch-05
Tisch-06
Tisch-07
Tisch-08
Tisch-11
Tisch-12
Static
Rampe
aus
entsperren


Feste Spannung und Strom:
10,000 V
ON
1,000 A
Abbruch
OK

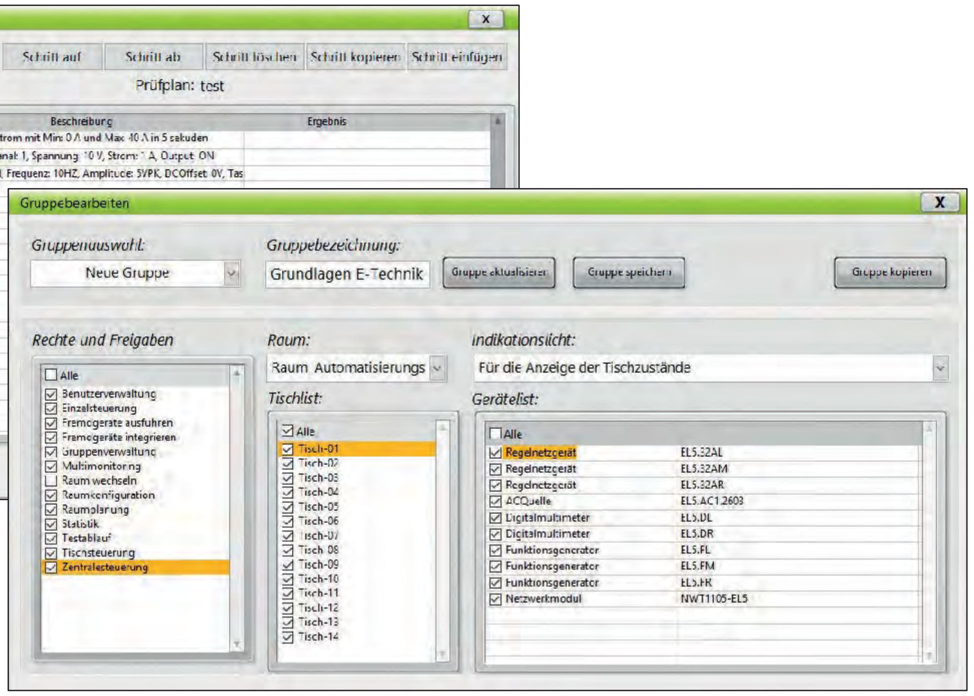
Simultaneous detailed adjustment of the control power supplies on all laboratory benches.


Funktionsgenerator: EL5.FL
Alle Tische
Carrier
Modulation
Setting
Amplitude
DC Offset
Signalform
Sinus
Frequenzbereich:
Carrier
OFF
Frequenz:
10 Hz
Impedence
HighZ

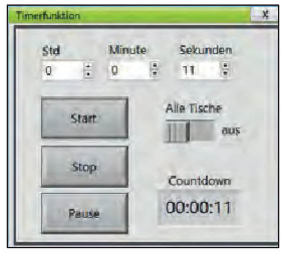
Simultaneous detailed adjustment of the radio generators on all laboratory benches.


Sequencer / Testablauf
Neu
Öffnen
Speichern
Löschen
Tisch-01
Prüfplan Editor
Prüfplan: test

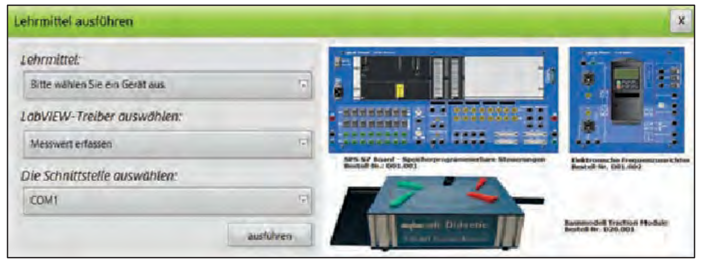
Example: fully automated test sequence with setting of the test sequence using the sequencer function.


Gruppebearbeiten
Gruppenauswahl:
Neue Gruppe
Gruppebezeichnung:
Grundlagen E-Technik
Rechte und Freigaben
Raum:
Raum Automatisierungs
Indikationsicht:
Für die Anzeige der Tischzustände
Tischlist:
Gerätelist:

Example: Rights and group definition per user and per table.


Timerfunktion
Std
Minute
Sekunden
Start
Stop
Pause
Alle Tische
Countdown
00:00:11

Timer function


Lehrmittel ausführen
Lehrmittel:
LabVIEW-Treiber auswählen:
Die Schnittstelle auswählen:
COM1
ausführen

Integration and control of modern teaching aids: detailed experiment instructions with teacher and student handouts are included with the teaching aids.

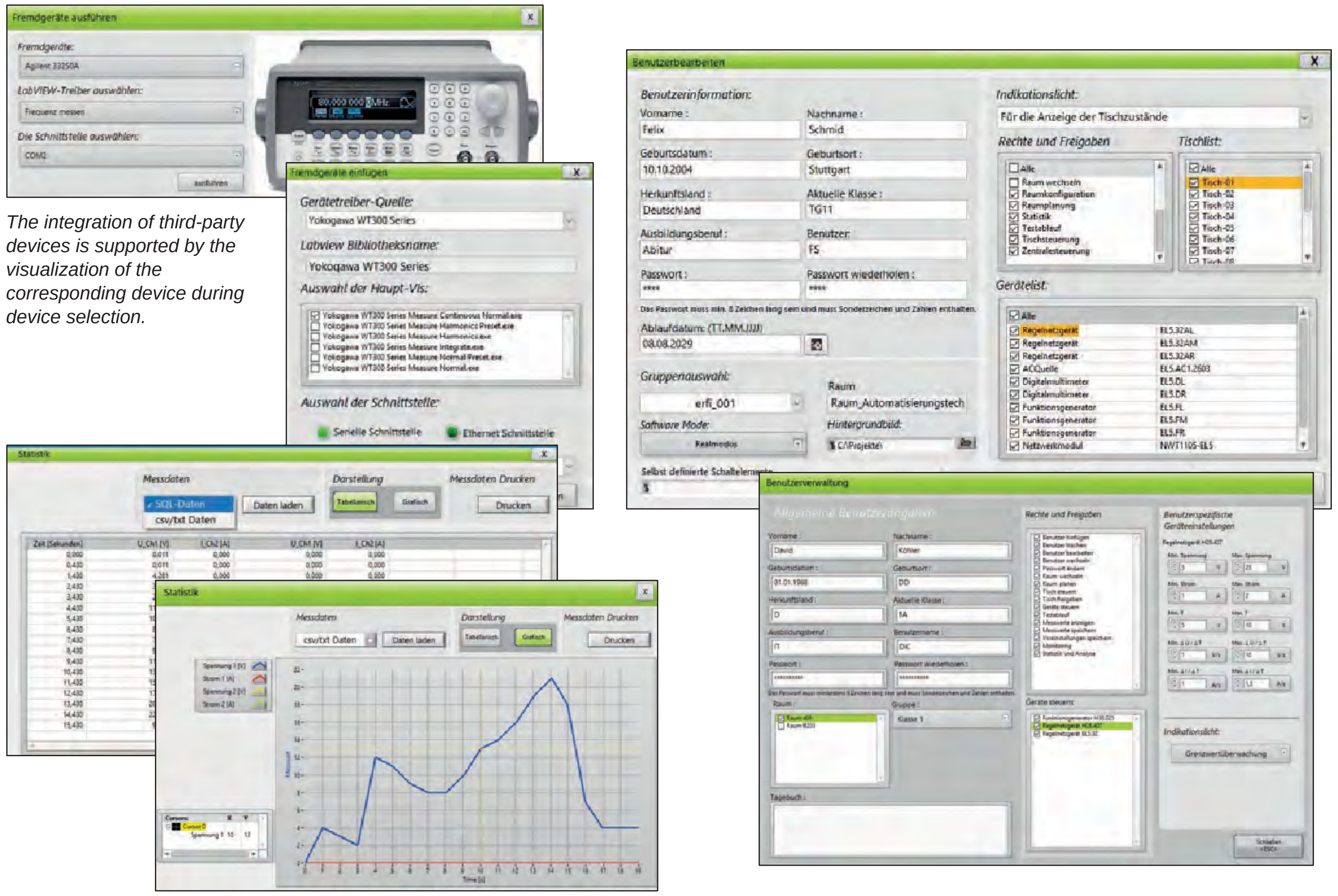
Activation and control
In addition to the usual 230 V and 400 V power supply, modern laboratory benches have modern DC power supplies (low voltages) and measuring devices with intelligent functions. These individual device and function groups can be elegantly controlled. The up/down movement of the lowering and swivel tables also be conveniently controlled from the teacher's desk at the touch of a button. At the same time, the status of the individual laboratory benches is visualized.

High level of protection thanks to programmable limits *highlink Power* guarantees that your hardware is protected at all times. The possibility of limiting the individual device parameters, such as the current limit, ensures that the connected measuring hardware or electronics not damaged. Lengthy repairs caused by incorrect operation are therefore ruled out.

No setting times before the start of the experiment Start your lesson immediately and without losing any time. As part of the lesson planning, the individual device parameters can be preset for each student workstation and student and linked to a clear annual timetable.
link. When the point in time is reached, all locations included in the planning are automatically set to the desired configuration. Retractable tables, for example, automatically move to the desired position and the power supplies are configured to the corresponding maximum currents for the test.
highlink Power makes it very easy to program student workstations individually, thus increasing productivity in the classroom.

Integration of the world of teaching materials - erfi Didactic *erfi Didactic* is a separate brand of the erfi company and comprises a modern range of teaching materials for automation technology, drive technology, building automation, fault simulators, motor simulators, installation technology and much more.
Many erfi teaching devices already have an interface and thus offer the possibility of intelligently integrating the devices into the lesson design using *highlink Power.*
In addition to the familiar e-learning, the student is provided with a modern tool. The individual experiments are stored in the software and can be elegantly processed via the interface-compatible devices. The instructions for the experiments are visualized and the student is guided didactically.

Room control software highlink® Power



Fremdgeräte ausführen

Fremdgeräte: Agilent 33250A

LabVIEW-Treiber auswählen: Frequenz messen

Die Schnittstelle auswählen: COM2

Fremdgeräte einfügen

Gerätetreiber-Quelle: Yokogawa WT300 Series

Labview Bibliotheksname: Yokogawa WT300 Series

Auswahl der Haupt-VIs:

- ☑ Yokogawa WT300 Series Measure Continuous Normal.exe
- ☐ Yokogawa WT300 Series Measure Harmonics Preset.exe
- ☐ Yokogawa WT300 Series Measure Harmonics.exe
- ☐ Yokogawa WT300 Series Measure Integrate.exe
- ☐ Yokogawa WT300 Series Measure Normal Preset.exe
- ☐ Yokogawa WT300 Series Measure Normal.exe

Auswahl der Schnittstelle: ● Serielle Schnittstelle ● Ethernet Schnittstelle

Statistik

Messdaten: SQL-Daten / csv/txt Daten

Zeit [Sekunden]	U_Ch1 [V]	I_Ch2 [A]	U_Ch1 [V]	I_Ch2 [A]
0,000	0,011	0,000	0,000	0,000
0,430	0,011	0,000	0,000	0,000
1,430	4,281	0,000	0,000	0,000

Benutzerbearbeiten

Benutzerinformation:

Vorname: Felix

Nachname: Schmid

Geburtsdatum: 10.10.2004

Geburtsort: Stuttgart

Herkunftsland: Deutschland

Aktuelle Klasse: TG11

Ausbildungsberuf: Abitur

Benutzer: FS

Passwort: ****

Passwort wiederholen: ****

Das Passwort muss min. 8 Zeichen lang sein und muss Sonderzeichen und Zahlen enthalten.

Ablaufdatum: (TT.MM.JJJJ) 08.08.2029

Gruppenauswahl: erfi_001

Raum: Raum_Automatisierungstech

Software Mode: Realmodus

Hintergrundbild: C:\Projekte\

Indikationslicht: Für die Anzeige der Tischzustände

Rechte und Freigaben:

- ☐ Alle
- ☐ Raum wechseln
- ☑ Raumkonfiguration
- ☑ Raumplanung
- ☑ Statistik
- ☑ Testablauf
- ☑ Tischsteuerung
- ☑ Zentralesteuerung

Tischlist:

- ☑ Alle
- ☑ Tisch-01
- ☑ Tisch-02
- ☑ Tisch-03
- ☑ Tisch-04
- ☑ Tisch-05
- ☑ Tisch-06
- ☑ Tisch-07

Gerätelist:

☑ Alle	
☑ Regelnetzgerät	EL5.32AL
☑ Regelnetzgerät	EL5.32AM
☑ Regelnetzgerät	EL5.32AR
☑ ACQuelle	EL5.AC1.2603
☑ Digitalmultimeter	EL5.DL
☑ Digitalmultimeter	EL5.DR
☑ Funktionsgenerator	EL5.FL
☑ Funktionsgenerator	EL5.FM
☑ Funktionsgenerator	EL5.FR
☑ Netzwerkmodul	NWT1105-EL5

Benutzerverwaltung

Vorname: David

Nachname: Köhler

The integration of third-party devices is supported by the visualization of the corresponding device during device selection.

Examples: Graphical and tabular display of measured values. The measurement data is visualized in a table and simultaneously in a graphic during the measurement process. An HTML report for an Internet browser is created via a command.

Visualization of third-party devices

highlink Power supports the integration of third-party devices. The appropriate functions are integrated depending on the device function and customer requirements.

Reporting generator / dashboarding / data management

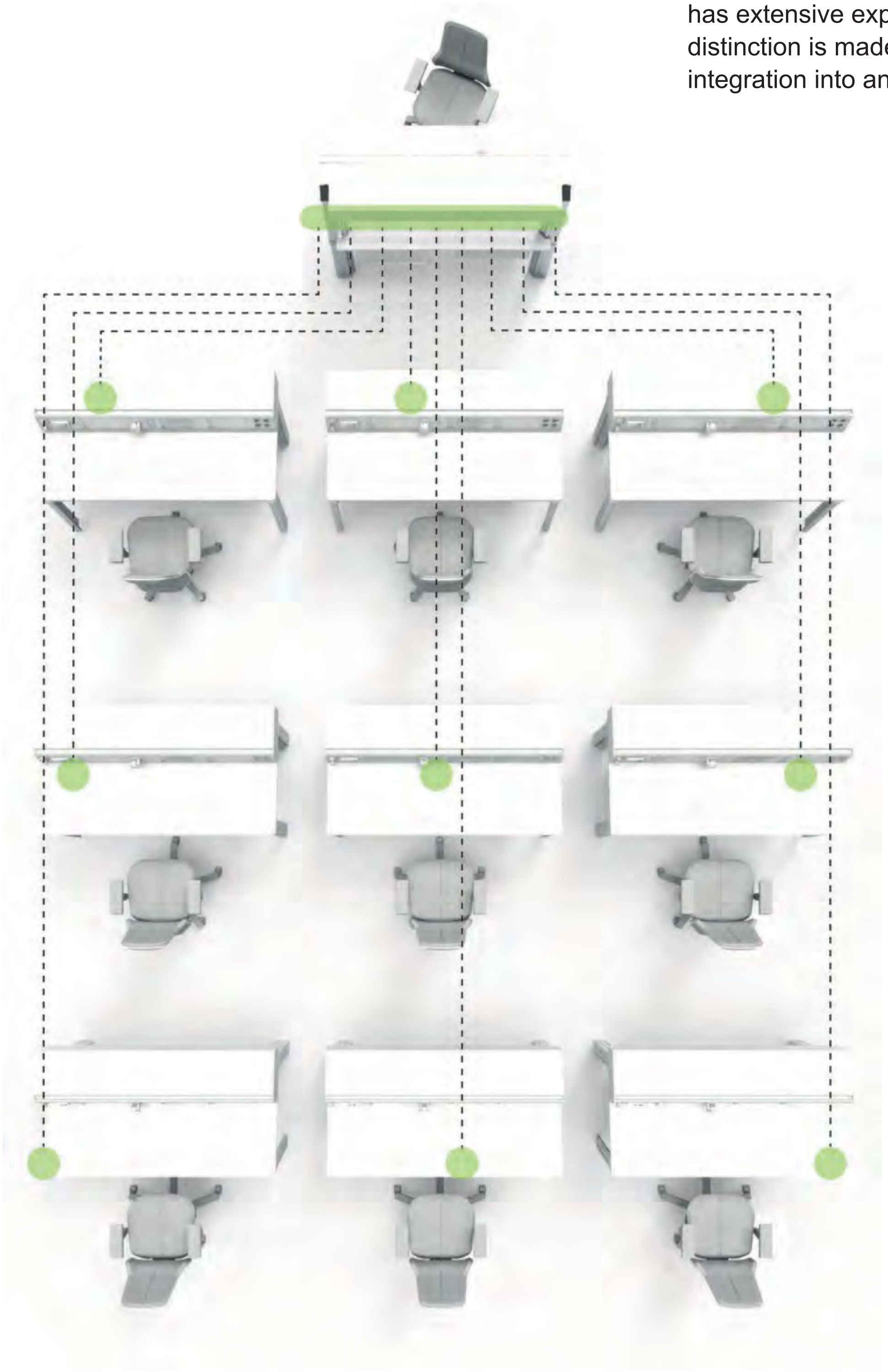
highlink Power enables various simulations to be carried out before the start of the test. Expected stress curves can be displayed graphically and later compared with the actual curve.
Measurement data acquisition and documentation are automated and the data is stored in a professional SQL database.

Secure password management

A defined administration level allows user rights to be set individually for each teacher and student. In addition to the individual access control to the experiments, the program modules device control, lesson planning, measured value analysis and documentation as well as password management are also controlled individually, for example.

This ensures that default settings are not changed unintentionally. The erfi software development team's many years of experience pay off here and guarantee safe and trouble-free teaching.

Experimental network with highlink® Power erfi network technology consistently uses the latest Ethernet technology. Each laboratory workstation is equipped with intelligent Ethernet-capable devices that can be integrated either in an independent experimental network or in the existing in-house network. The network is planned according to the customer's wishes and requirements. Through cooperation with well-known solution providers in In the field of communication and data networks, erfi has extensive experience network technology. A distinction is made between a stand-alone network and integration into an existing network.



Independent network
This solution is physically separated from the rest of the network. Each PC is equipped with a second Ethernet connection (second network card). This ensures that there is no interference within the in-house network. The teacher and students access the network via the 2nd network card. One switch is sufficient to network the room. Depending on the customer's requirements, the switch is either included in erfi's planning or provided by the customer.

Integration into an existing network This solution is used when the PCs are not connected to a second network connection. can be equipped with a connection. A virtual network is set up for this purpose. A VLAN switch is required for this solution. Depending on the customer's requirements, the VLAN switch is either included in the planning by erfi or provided by the customer.

Fig. left: Example of an independent experimental network.

Room control software highlink® Power

highlink® Power - Training Trainer Package
- For central control of 1 instructor workstation and all student workstations.
- SQL database for all measurement data and other personalized settings.
- Interface to *CANDY Power* testing software for test planning, test sequence and statistics.
- Interface to *AWM* production software (Assembly Workflow Management).
- Complete package for room and appliance control.
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Didactic trainer package
Local software license for the teacher per room
Order no.: HPD2.100

highlink® Power Didactic Web-Trainerpackage
Web-based software license for the teacher per room (browser-based) **Order no.:** HPDW2.100

Pupil or student package
- For remote device control at the student's workstation. The student himself can access and control the devices assigned to him via his end device.
- SQL database for all measurement data and other personalized settings.
- The teacher must give permission for use and can intervene and monitor at the same time.
- Interface to *CANDY Power* testing software for test sequences.
- Interface to *AWM* production software (Assembly Workflow Management).
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Didactic student package
Local software license for all users per room
Order no.: HPD2.101

highlink® Power Didactic Web-Studentpackage
Web-based software license for all users per room
Order no.: HPDW2.101

highlink® Power - Industry Masterpackage
- For central control of all laboratory workstations.
- SQL database for all measurement data and other personalized settings.
- Interface to *CANDY Power* testing software for test planning, test sequence and statistics.
- Interface to *AWM* production software (Assembly Workflow Management).
- Complete package for room and appliance control.
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Industry-Masterpackage
Local software license for lab managers per room
Order no.: HPI2.100

highlink® Power Industry Web-Masterpackage
Web-based software license for laboratory managers per room (browser-based) **Order no.:** HPIW2.100

Single user license
- For remote device control at the laboratory workstation. The employee himself can access and control the devices assigned to him via his end device.
- SQL database for all measurement data and other personalized settings.
- The laboratory manager must give approval for use and can intervene in parallel and provide support from his or her workplace.
- Interface to *CANDY Power* testing software for test sequences.
- Interface to *AWM* production software (Assembly Workflow Management).
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Industry single user license
Local software license for all users per room
Order no.: HPI2.101

highlink® Power Industry Web single user license
Web-based software license for all users per room
Order no.: HPIW2.101

Software for device control and standalones

Device control highlink® elneos® basic
With this software package, all functions of the *elneos six* device series can be controlled remotely.
- Remote device control software for single and multiple devices (limited to 3 *elneos six* devices)
- Ideal for standalone devices
- for PC, tablet and smartphone use
- Program is provided as .EXE

Order no.: HPE1.200

Device control highlink® elneos® pro
With this software package, all functions of the *elneos six* device series can be controlled remotely. The package is particularly suitable for complete laboratories where only the devices and not the laboratory benches are to be remote-controlled.
- Remote device control software for single and multiple devices (without limiting the number of devices)
- Ideal for standalone devices and laboratories
- for PC, tablet and smartphone use
- Program is provided as .EXE

Order no.: HPE1.201

Useful extensions highlink® Power

Festo® Didactic
For the first time, didactic concepts and teaching materials from leading teaching materials manufacturer *Festo Didactic* can be integrated into the new *highlink Power* software. The package enables direct access to the relevant *Festo Didactic* applications via the *highlink Power* room control software.

This optional supplement is integrated into the student and teacher version and opens up access to the didactic world of *Festo Didactic*.
An open interface for integration into the software is included. The student thus learns in a playful way how to switch between the world of measurement technology devices and the didactic environment.

Festo Didactic applications can be integrated into *highlink Power*:
- simulation software ®
- *FluidSIM®®*
- *Robotino SIM, Robotino® View*
- *EasyVeep*, *Festo LX* digital learning portal

Order no.: HPFESTO1.100

App applications for smartphone and tablet APP

highlink® Power Android
The applications do not require a server connection and are self-sufficient. The APPs developed by erfi for your smartphone / tablet can be downloaded from the respective APP store. Independent of a web-based server platform, the application runs exclusively on Android tablets and smartphones.
- APP remote device control for Android operating system
- Download in the PLAY-Store.

Order no.: HPANDROID1.200

APP highlink® Power IOS
Independent of a web-based server platform, the application runs exclusively on IOS Tablets / OS smartphones.
- APP remote device control for IOS operating system
- Download in the Apple Store

Order no.: HPIOS1.200

erfi network technology

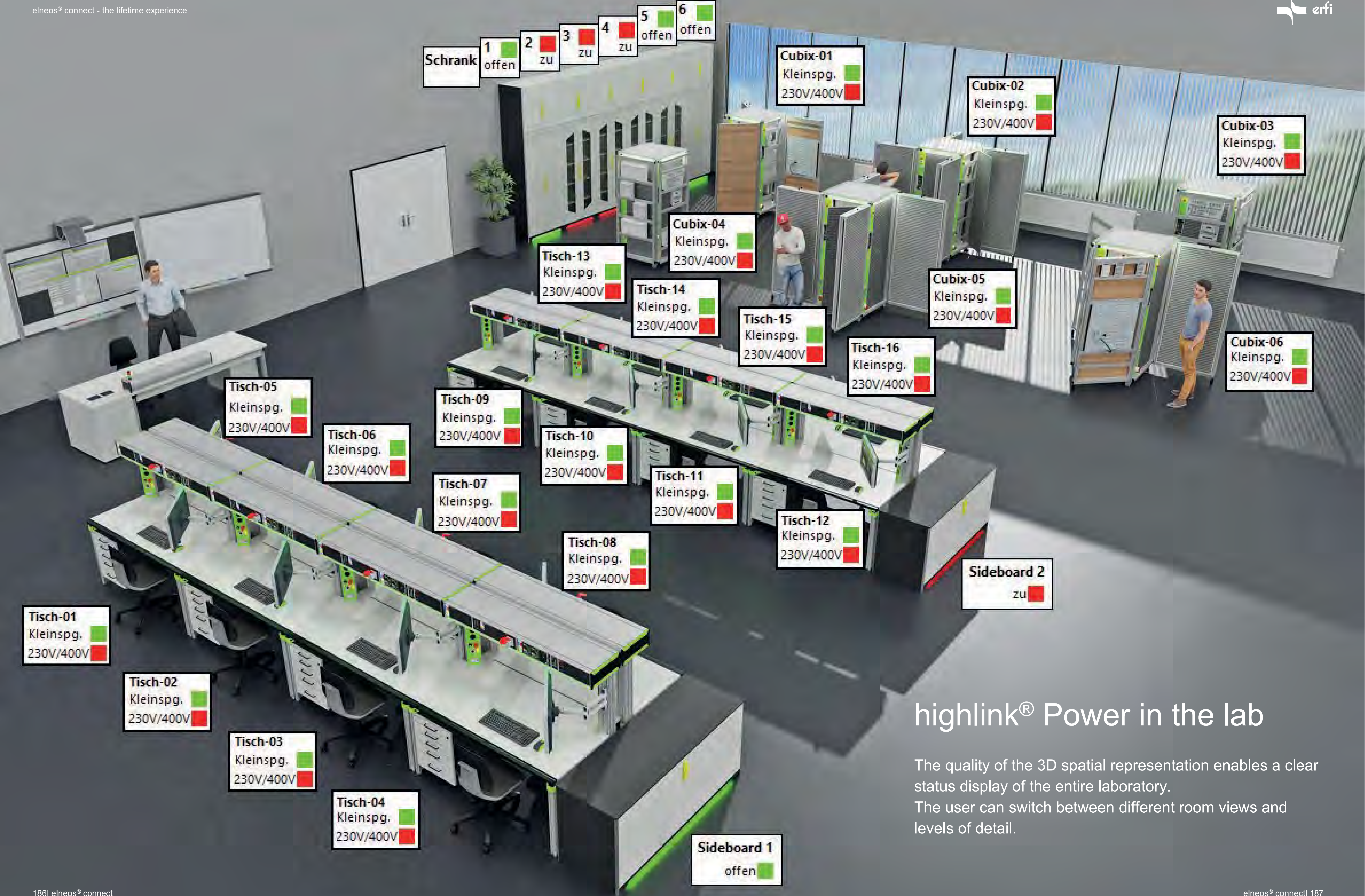
24-way switch for integration into the 19-inch superstructure or 19-inch cockpit (networking of workstations)
Order no. NWT1.100

8-way switch for integration into the 19-inch superstructure or 19-inch cockpit (networking of devices per space)
Order no.: NWT1.101

erfi network module (controller) for controlling and monitoring the individual table functions. (low and low voltage, PC network, up/down movement of swivel tables, etc.) 8 digital I/Os with Ethernet interface can be controlled.
Order no.: NWT1.104

System integration consisting of all contactors and relays for group / device releases required for radio functionality. **Order no.:** NWT1.110

System integration elneos® six
Factory-installed and plug-in wiring between the control center and the respective device installed in a TechCube (AC / DC source, DMM, FKG). **Order no.** EL6.SYS1


Schrank
1 🟩 offen
2 🟥 zu
3 🟥 zu
4 🟥 zu
5 🟩 offen
6 🟩 offen
Cubix-01 Kleinspg. 🟩 230V/400V 🟥
Cubix-02 Kleinspg. 🟩 230V/400V 🟥
Cubix-03 Kleinspg. 🟩 230V/400V 🟥
Cubix-04 Kleinspg. 🟩 230V/400V 🟥
Cubix-05 Kleinspg. 🟩 230V/400V 🟥
Cubix-06 Kleinspg. 🟩 230V/400V 🟥
Tisch-13 Kleinspg. 🟩 230V/400V 🟥
Tisch-14 Kleinspg. 🟩 230V/400V 🟥
Tisch-15 Kleinspg. 🟩 230V/400V 🟥
Tisch-16 Kleinspg. 🟩 230V/400V 🟥
Tisch-05 Kleinspg. 🟩 230V/400V 🟥
Tisch-09 Kleinspg. 🟩 230V/400V 🟥
Tisch-06 Kleinspg. 🟩 230V/400V 🟥
Tisch-10 Kleinspg. 🟩 230V/400V 🟥
Tisch-11 Kleinspg. 🟩 230V/400V 🟥
Tisch-07 Kleinspg. 🟩 230V/400V 🟥
Tisch-12 Kleinspg. 🟩 230V/400V 🟥
Tisch-08 Kleinspg. 🟩 230V/400V 🟥
Sideboard 2 zu 🟥
Tisch-01 Kleinspg. 🟩 230V/400V 🟥
Tisch-02 Kleinspg. 🟩 230V/400V 🟥
Tisch-03 Kleinspg. 🟩 230V/400V 🟥
Tisch-04 Kleinspg. 🟩 230V/400V 🟥
Sideboard 1 offen 🟩

highlink® Power in the lab

The quality of the 3D spatial representation enables a clear status display of the entire laboratory.
The user can switch between different room views and levels of detail.

Tables with integrated swivel superstructures

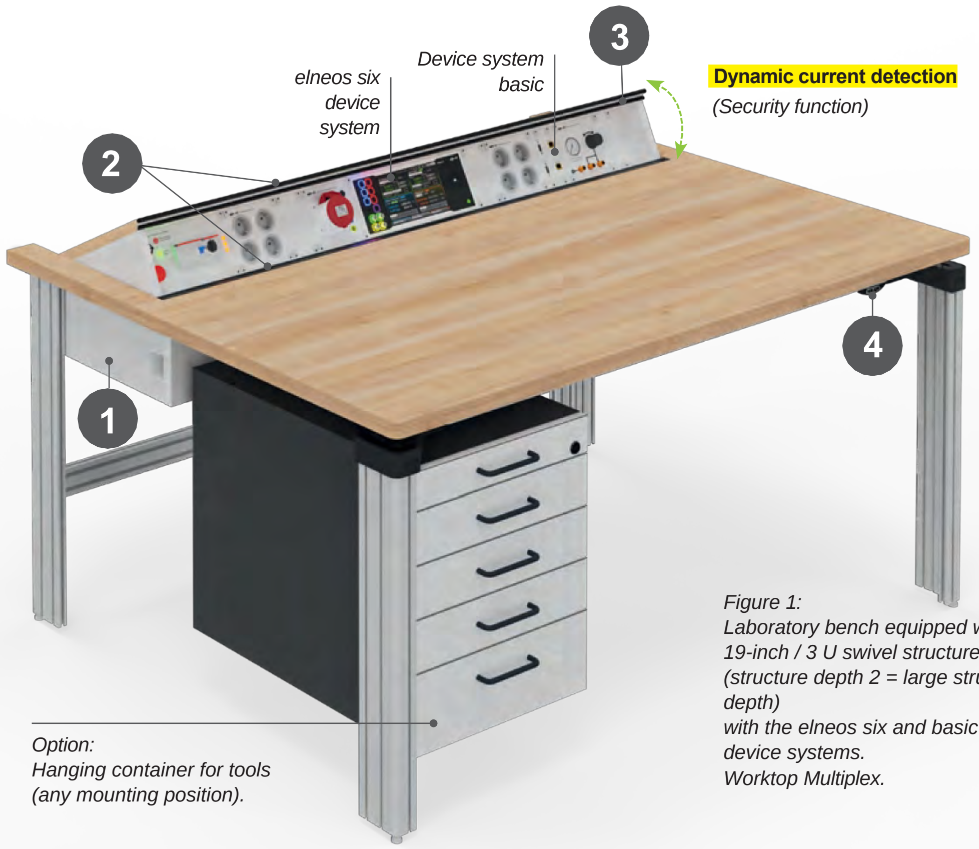
Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4



Option:
Hanging container for tools
(any mounting position).

Figure 1:
Laboratory bench equipped with 19-inch / 3 U swivel structure (structure depth 2 = large structure depth)
with the elneos six and basic device systems.
Worktop Multiplex.

Technical product description:

Laboratory bench with 19-inch / 3 U swivel structure

Electromotive swivel assembly: The swivel assembly can be individually combined with the standardized 19-inch device series *elneos six, elneos five* and *basic*. Depending on the appliance equipment and power, 2 construction depths are available.
A microprocessor-controlled drive swivels the superstructure into position almost silently. A double sealing lip and dynamic current detection (security function) guarantee maximum safety. The security function monitors the continuous current consumption. In the event of overcurrent, the thrust is immediately reversed during the downward movement and stopped immediately during the upward movement.
Thanks to an integrated microprocessor unit with interface, the swivel superstructures are

can be controlled individually and can be networked. Central control (individual, group and overall control) from the trainer's workstation is possible.
with the erfi network module NWT1.104 and the room control software *highlink Power*.

Full device encapsulation incl. wiring duct (standard).

Crush protection due to Double sealing lips (standard).

Pressure safety edge, crush protection (standard).

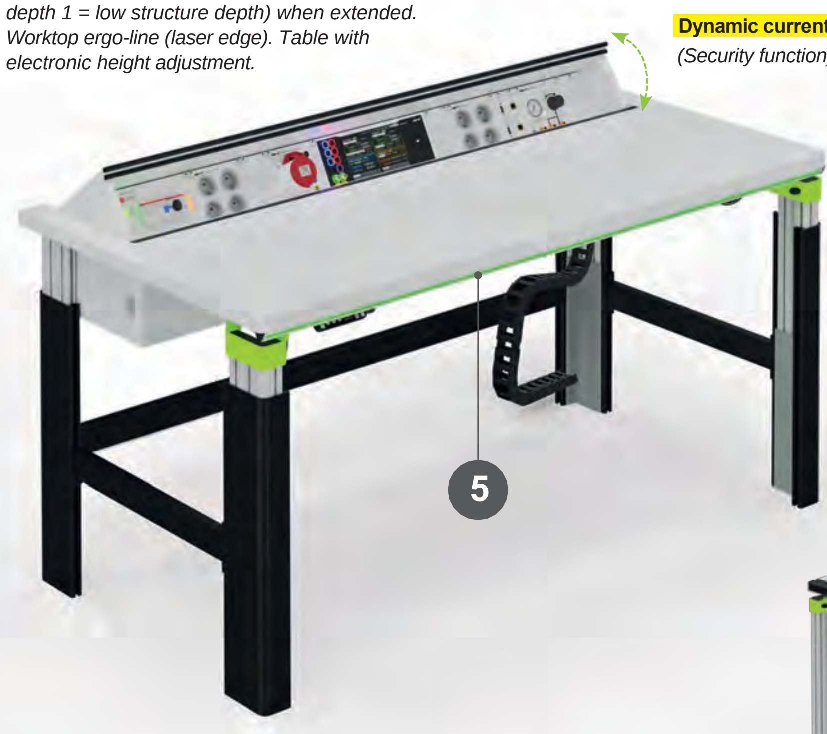
Pressure safety edge:
The swivel bodies are equipped with a pressure switch bar as standard. This bar triggers at the slightest pressure fluctuations
and thus further increases safety.

Additional equipment

erfi network module:
Necessary module for remote-controlled laboratories with *highlink Power* room control software. Microcontroller system for remote control
Order no.: NWT1.104

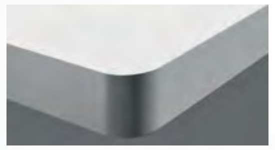
Note on the *highlink Power* room control software***: Order no.: HPD2.100.***
For technical description see page 178 ff.

Figure 2:
Laboratory bench with 19-inch / 3 U swivel structure (structure depth 1 = low structure depth) when extended.
Worktop ergo-line (laser edge). Table with electronic height adjustment.

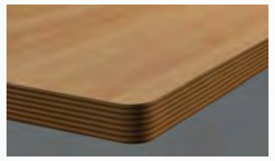


Worktops:

alu-line (laser edge)



ergo-line (laser edge)



Multiplex

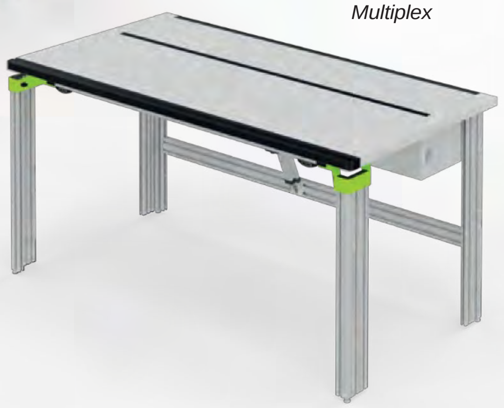
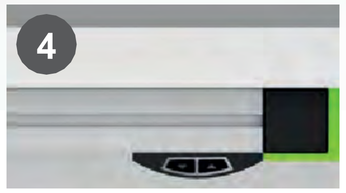


Figure 3:
Laboratory bench with 19-inch / 3 U swivel structure when retracted. The devices disappear completely into the working plane.
The front of the device is fully encapsulated for all-round protection.
Worktop alu-line (laser edge).



Up/down control at the table (optional).

Indication light frontal or circumferential in the table top (optional).

Optional equipment

Up/down button: For student desks to independently swivel the channel up and down.
Order no.: ELC1.5.ABT

Indication light: Integrated in the tabletop, de-
Neither frontal nor circumferential. It shows the stress levels in different colors and safety at the workplace, see page 108.

Laboratory bench with integrated 19-inch / 3 U swivel structure								
	Mounting depth 1= Low mounting depth				Mounting depth 2= Large mounting depth			
Length	Depth	ergo-line	alu-line	Multiplex	Depth	ergo-line	alu-line	Multiplex
1,200 mm	850 mm	ELC1.5.1281.1	ELC1.5.1283.1	ELC1.5.1288.1	1,000 mm	ELC1.5.1211.2	ELC1.5.1213.2	ELC1.5.1218.2
	1,000 mm	ELC1.5.1211.1	ELC1.5.1213.1	ELC1.5.1218.1	1,150 mm	ELC1.5.1221.2	ELC1.5.1223.2	ELC1.5.1228.2
1,600 mm	850 mm	ELC1.5.1681.1	ELC1.5.1683.1	ELC1.5.1688.1	1,000 mm	ELC1.5.1611.2	ELC1.5.1613.2	ELC1.5.1618.2
	1,000 mm	ELC1.5.1611.1	ELC1.5.1613.1	ELC1.5.1618.1	1,150 mm	ELC1.5.1621.2	ELC1.5.1623.2	ELC1.5.1628.2
1,800 mm	850 mm	ELC1.5.1881.1	ELC1.5.1883.1	ELC1.5.1888.1	1,000 mm	ELC1.5.1811.2	ELC1.5.1813.2	ELC1.5.1818.2
	1,000 mm	ELC1.5.1811.1	ELC1.5.1813.1	ELC1.5.1818.1	1,150 mm	ELC1.5.1821.2	ELC1.5.1823.2	ELC1.5.1828.2
2,000 mm	850 mm	ELC1.5.2081.1	ELC1.5.2083.1	ELC1.5.2088.1	1,000 mm	ELC1.5.2011.2	ELC1.5.2013.2	ELC1.5.2018.2
	1,000 mm	ELC1.5.2011.1	ELC1.5.2013.1	ELC1.5.2018.1	1,150 mm	ELC1.5.2021.2	ELC1.5.2023.2	ELC1.5.2028.2

ESD version on request!

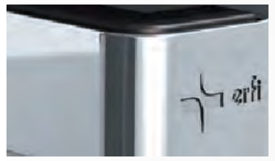
Tables with integrated TFT retractable units

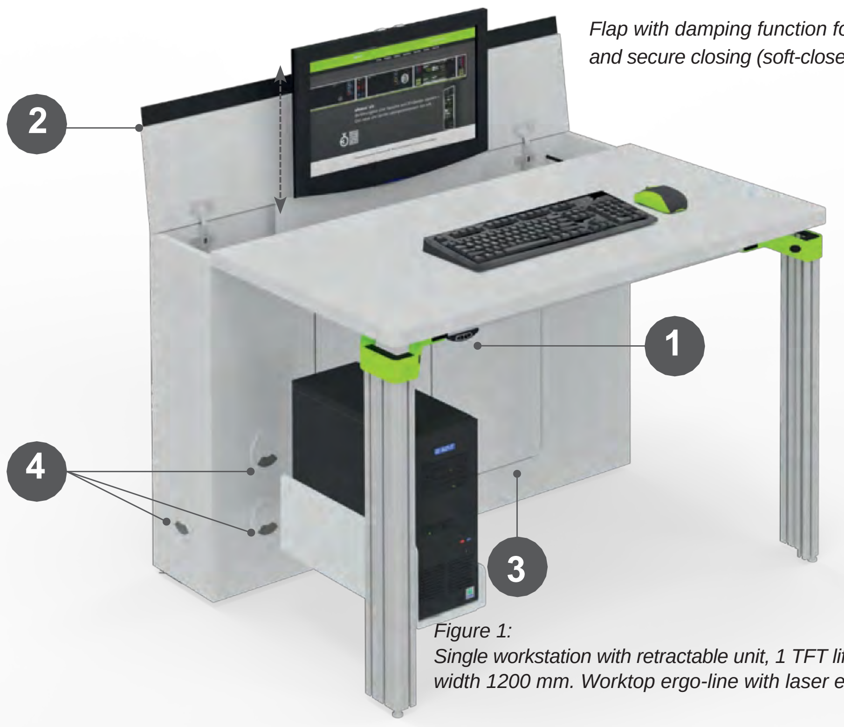
Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3


chrome-plated ELCC4



Flap with damping function for soft closing and secure closing (soft-close function).

Figure 1:
Single workstation with retractable unit, 1 TFT lift and 1 PC holder (optional), desk width 1200 mm. Worktop ergo-line with laser edge.

Technical product description:

Tables with electromotive TFT retractable unit Ideal for all classrooms, training and further education facilities.
In addition to the TFT monitors (VESA standard), optional keyboard and mouse mounts can also be integrated into the motorized retractable unit.
The desks are available as single and double workstations including electric motorized drives.

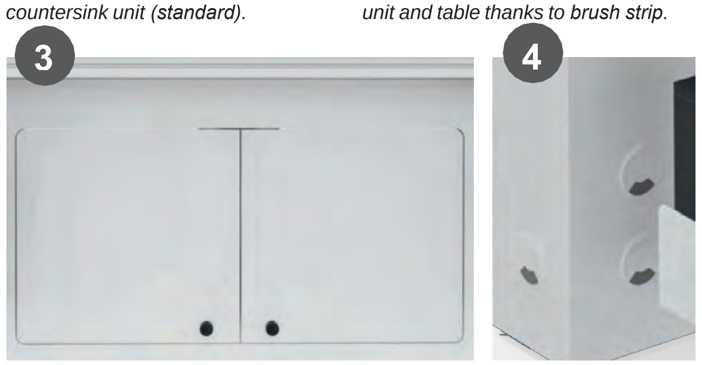
Lowering unit: Approx. 230 mm deep and 780 mm high. The electromotive TFT lift drives are in the retractable unit. Each drive can hold TFT monitors weighing up to 25 kg. The lifts are supplied as standard with an operating unit for Up/down control. Optionally, the lift systems can also be equipped with the erfi network module NWT1.104 and the *highlink Power* room control software. The flap is split for double workstations.

Anti-trap protection: The brush strip between the recessed unit and the table offers a high level of anti-trap protection.

Use as a theory table: The flap closes flush with the front table. This means that the table can used as a theory table when retracted. The view to the front is unobstructed.

Up/down control of the TFT countersink unit (standard).

Anti-trap protection between retractable unit and table thanks to brush strip.



Body of the recessed unit at the front with lockable inspection doors (3) and cable aperture boxes (4) for direct cabling of the PCs if these are mounted underneath the table top. Equipped with additional cable aperture boxes on the left and right for through-wiring between the desks.

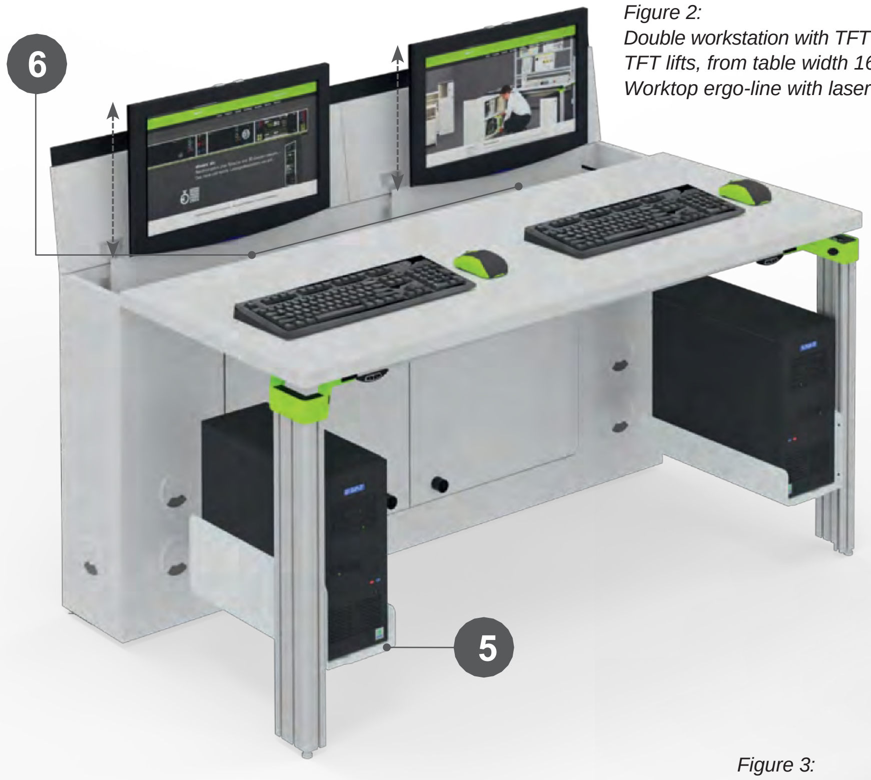
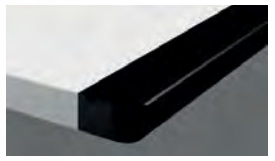
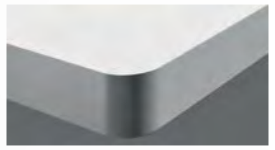


Figure 2:
Double workstation with TFT lowering unit and 2 TFT lifts, from table width 1600 mm.
Worktop ergo-line with laser edge.

Worktops:


alu-line (laser edge)


ergo-line (laser edge)

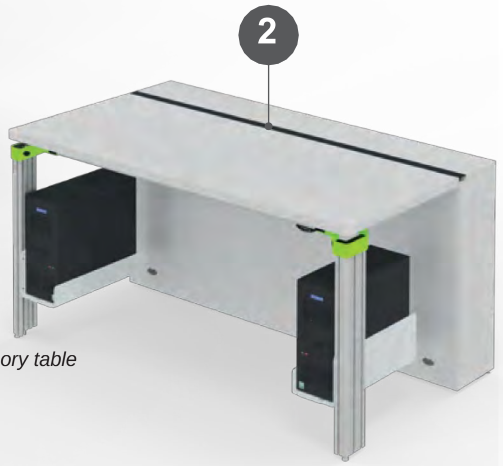
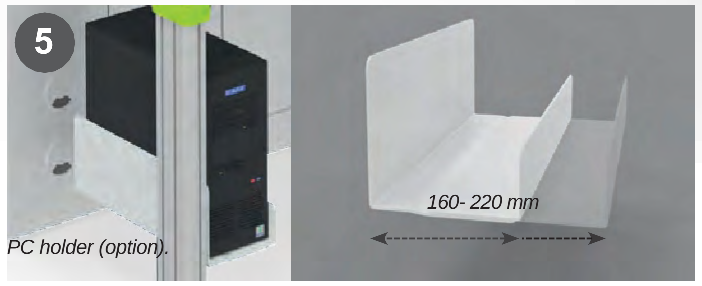


Figure 3:
Can be used as a theory table retracted.



PC holder (option).

Keyboard and mouse holder below the retractable monitors (optional).

Optional equipment

PC holder: For holding PCs.
Can be mounted directly on the foot profile on the left and right. The width is variably adjustable.
Dimensions: Width 160-220 mm, depth 450 mm, height 80 / 170 mm. **Order no.:** ELC6.6.257

Keyboard and mouse holder: shelf below TFT monitors for the integration of keyboard and mouse.
Order no. for single workstation: ELC1.6.TMA.1
Order no. for double workstation: ELC1.6.TMA.2

erfi network module: Microcontroller system for remote control of the TFT lifts. **Order no.:** NWT1.104

Retractable tables with TFT retractable unit

Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD
Single workstation 1,000 mm	850 mm	ELC1.6.1081	ELC1.6.1082	ELC1.6.1083	ELC1.6.1084
Single workstation 1,200 mm	850 mm	ELC1.6.1281	ELC1.6.1282	ELC1.6.1283	ELC1.6.1284
Double workstation 1,600 mm	850 mm	ELC1.6.1681	ELC1.6.1682	ELC1.6.1683	ELC1.6.1684
Double workstation 1,800 mm	850 mm	ELC1.6.1881	ELC1.6.1882	ELC1.6.1883	ELC1.6.1884
Double workstation 2,000 mm	850 mm	ELC1.6.2081	ELC1.6.2082	ELC1.6.2083	ELC1.6.2084

Note on the *highlink Power* room control software***: Order no.: HPD2.100.***
For technical description see page 178 ff.

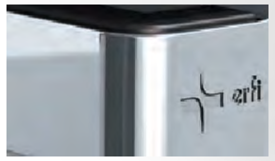
Sunken tables - Tischlein deck Dich!

Connector color:

elneos-green ELCC1

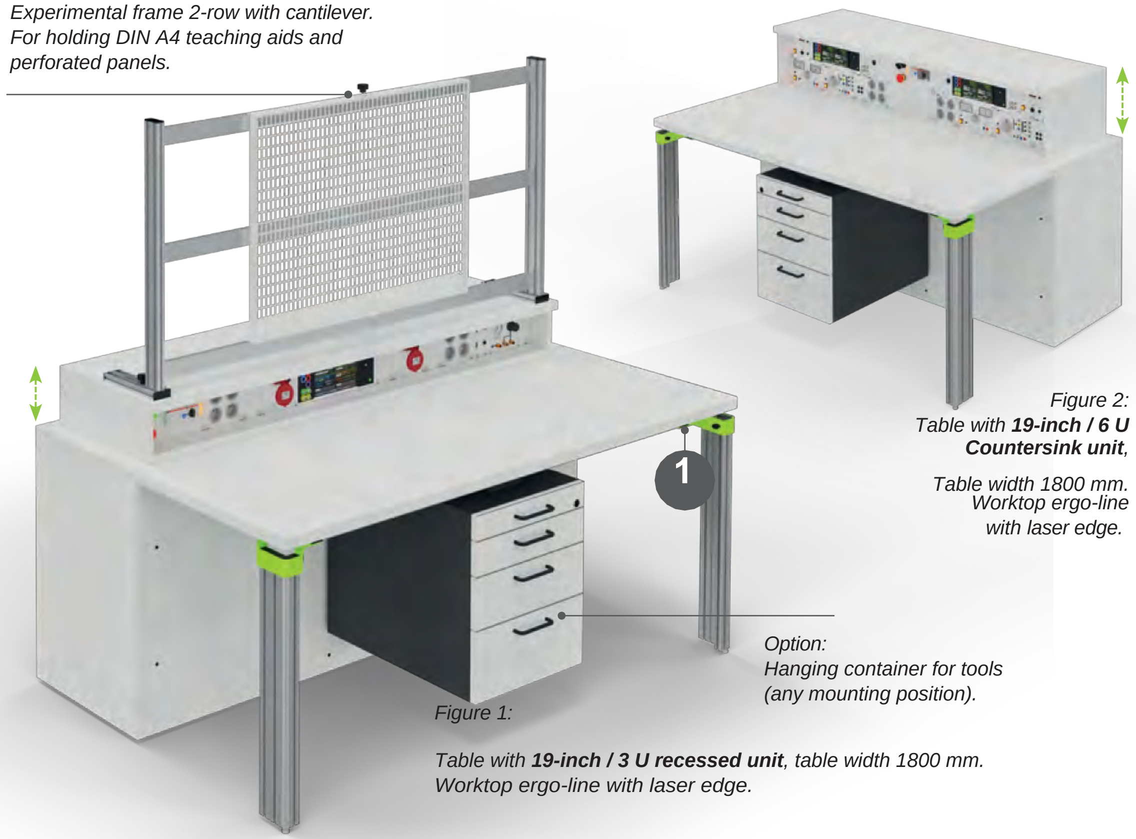
pure white ELCC2

graphite black ELCC3



chrome-plated

ELCC4



Option:
Experimental frame 2-row with cantilever.
For holding DIN A4 teaching aids and perforated panels.

Figure 2:
*Table with **19-inch / 6 U Countersink unit**,*

Table width 1800 mm.
Worktop ergo-line with laser edge.

Option:
Hanging container for tools (any mounting position).

Figure 1:

*Table with **19-inch / 3 U recessed unit**, table width 1800 mm.*
Worktop ergo-line with laser edge.

Technical product description:

Tables with electromotive lowering unit **Lowering unit:** The lowering unit can be individually equipped with the standardized 19-inch device series *elneos six, elneos five* and *basic*. Two heights are available depending on the device equipment and power.
A microprocessor-controlled drive moves the lowering unit into position almost silently. A safety edge ensures optimum safety. When the safety edge is activated, a thrust reversal is initiated immediately. Current monitoring is also integrated. In the event of an overload in the upward movement, the operator switches off automatically. A multiple fuse per functional element ensures 100% safety.
Thanks to an integrated microprocessor unit with interface, the sink superstructures are
can be controlled individually and can be networked.
Central control (individual, group and overall control) from the trainer's workstation is possible.
with the erfi network module NWT1.104 and the room control software *highlink Power*.

Add-on table: The retractable unit is flush with the add-on table. This means that the table can be used as a theory table when retracted. The view to the front is unobstructed.

Design variants:

Version 1 and 2: 19-inch / 3 U or 6 U recessed
unit: D: 490 mm, H: 780 mm
Countersunk body: D: 470 mm, H: 185 or 318 mm
Add-on table: D: 630 mm, H: 780 mm Add-on table overlaps the recessed unit by 20 mm Total table depth: 1,100 mm

Version 3: Combi-recessed unit Recessed unit:
D: 590 mm, H: 780 mm
Countersink unit: D: 570 mm, H: 565 mm Add-on
table: D: 630 mm, H: 780 mm Add-on table overlaps the lowering unit by 20 mm Total table depth: 1,200 mm

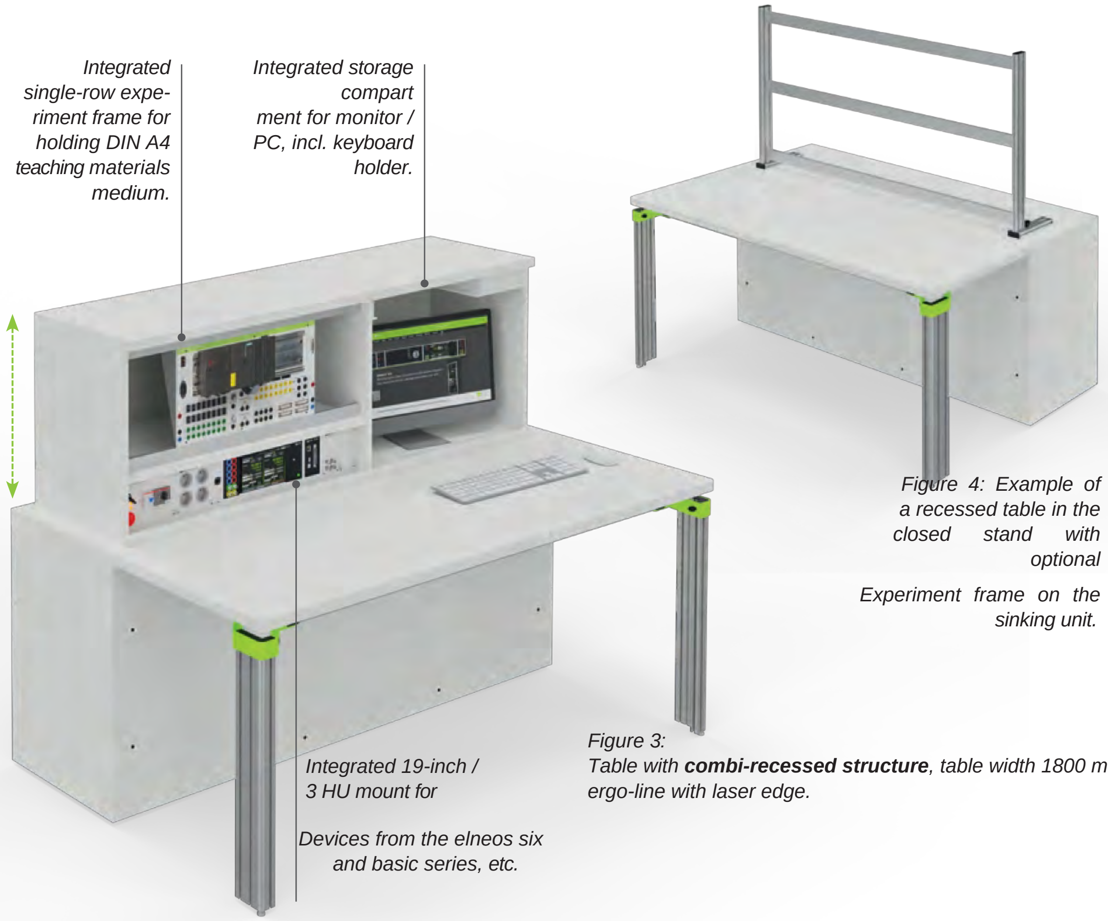
Optional equipment

Up/down buttons: For student desks for stand-alone use.
up and down the sinking unit. **Order no.:** ELC1.10.ABT

Up/down button (option).

Note on the *highlink Power* room control software***: Order no.: HPD2.100.***
Technical description see page 178 ff.

3 U / 6 U / Combi countersink unit



Integrated single-row experiment frame for holding DIN A4 teaching materials medium.

Integrated storage compartment for monitor / PC, incl. keyboard holder.

Figure 4: Example of a recessed table in the closed stand with optional

Experiment frame on the sinking unit.

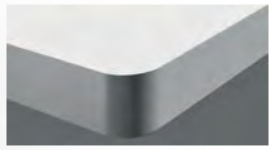
Integrated 19-inch / 3 HU mount for

Devices from the elneos six and basic series, etc.

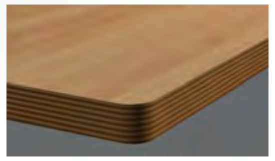
Figure 3:
*Table with **combi-recessed structure**, table width 1800 mm. Worktop ergo-line with laser edge.*

Worktops:

alu-line (laser edge)



ergo-line (laser edge)



Multiplex

Optional equipment

erfi network module: Microcontroller system, required for remote control using *highlink Power* room control software **Order no.:** NWT1.104

Experiment frame for sinking units: With cantilever, H-profiles 50 mm high, individually adjustable, between 2 vertical aluminum profiles with functional grooves.

Experimental frame DIN A4 on retractable unit

	Experimental frame	
Table length	**1-row, H: 452 mm**	**2-row, H: 788 mm**
1,200 mm	ELC7.2.1200.1V	ELC7.2.1200.2V
1,600 mm	ELC7.2.1600.1V	ELC7.2.1600.2V
1,800 mm	ELC7.2.1800.1V	ELC7.2.1800.2V
2,000 mm	ELC7.2.2000.1V	ELC7.2.2000.2V

ESD versions on request!

Laboratory table with integrated 19-inch / 3 U or 6 U recessed unit

			Version 1: 3 U countersink unit			**Version 2: 6 U countersink unit**		
Length	**Depth**	**BK***	**ergo-line**	**alu-line**	**Multiplex**	**ergo-line**	**alu-line**	**Multiplex**
1,200 mm	1,100 mm	199 TE	ELC1.10.1231	ELC1.10.1233	ELC1.10.1238	ELC1.10.1261	ELC1.10.1263	ELC1.10.1268
1,600 mm	1,100 mm	277 TE	ELC1.10.1631	ELC1.10.1633	ELC1.10.1638	ELC1.10.1661	ELC1.10.1663	ELC1.10.1668
1,800 mm	1,100 mm	317 TE	ELC1.10.1831	ELC1.10.1833	ELC1.10.1838	ELC1.10.1861	ELC1.10.1863	ELC1.10.1868
2,000 mm	1,100 mm	356 TE	ELC1.10.2031	ELC1.10.2033	ELC1.10.2038	ELC1.10.2061	ELC1.10.2063	ELC1.10.2068

Laboratory bench with integrated combi-recess unit, version 3

Length	**Depth**	**BK***	**Internal width DIN A4- / 3 U mounting**	**ergo-line**	**alu-line**	**Multiplex**
1,600 mm	1,200 mm	141 TE	721 mm	ELC1.10.1251	ELC1.10.1253	ELC1.10.1258
1,800 mm	1,200 mm	181 TE	921 mm	ELC1.10.1651	ELC1.10.1653	ELC1.10.1658
2,000 mm	1,200 mm	220 TE	1,121 mm	ELC1.10.1851	ELC1.10.1853	ELC1.10.1858

* Assembly capacity in TE (division unit) 1 TE= 5.08 mm

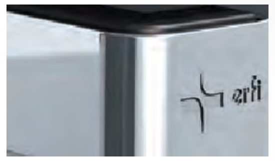
Laboratory tables with mobile extension tables

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3



chrome-plated ELCC4

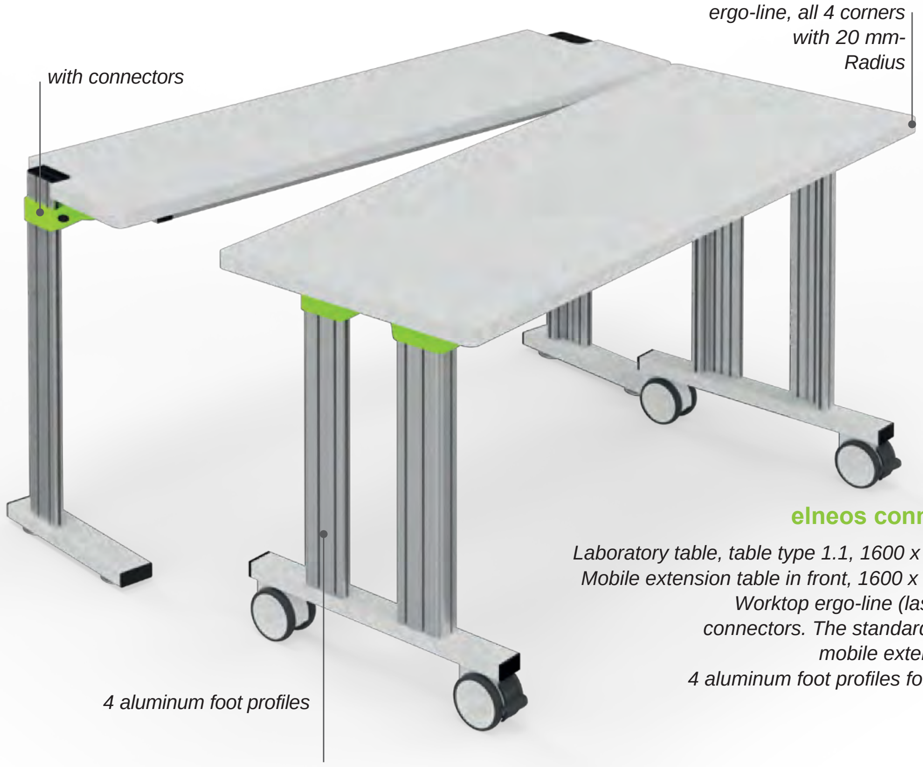


Figure 1:

elneos connect version

Laboratory table, table type 1.1, 1600 x 400 x 780 mm. Mobile extension table in front, 1600 x 600 x 780 mm. Worktop ergo-line (laser edge). With connectors. The standard version of the mobile extension table has 4 aluminum foot profiles for more stability.

Technical product description:

Laboratory bench with mobile extension table
This version consists of a fixed laboratory table and a mobile extension table. Both tables must be ordered separately.

Fixing brackets
To the for anchoring the furniture to compo the floor or wall.

Floor mounting
order no.: ELC100.7.013
Wall mounting
order no.: ELC100.7.014

Fixed laboratory bench: Version with C-foot. The laboratory bench can be firmly anchored to the wall or positioned freely in the room using floor mounting brackets. The workstation is configured individually. Table superstructures, L-profiles are possible and Expand profiles 1 and 2 for holding storage boards, cockpits, devices from the *acto, basic* and *elneos six* series, experimental frames, etc. For configuration examples, see page 196.

Laboratory bench (C-foot version)						
Length	**Depth**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1,200 mm	400 mm	ELCx.**x**.1241.C	ELCx.**x**.1242.C	ELCx.**x**.1243.C	ELCx.**x**.1244.C	ELCx.**x**.1248.C
1,600 mm	400 mm	ELCx.**x**.1641.C	ELCx.**x**.1642.C	ELCx.**x**.1643.C	ELCx.**x**.1644.C	ELCx.**x**.1648.C
1,800 mm	400 mm	ELCx.**x**.1841.C	ELCx.**x**.1842.C	ELCx.**x**.1843.C	ELCx.**x**.1844.C	ELCx.**x**.1848.C
2,000 mm	400 mm	ELCx.**x**.2041.C	ELCx.**x**.2042.C	ELCx.**x**.2043.C	ELCx.**x**.2044.C	ELCx.**x**.2048.C

Ordering information: Replace **x.x** with the desired **table type**!
1.1 Base table
1.2 Basic table with 180° cable flap See also page 74 and page 75.

Note Basic version:
If the table is to be made in Basic, add **.B** to the order number in the order table.

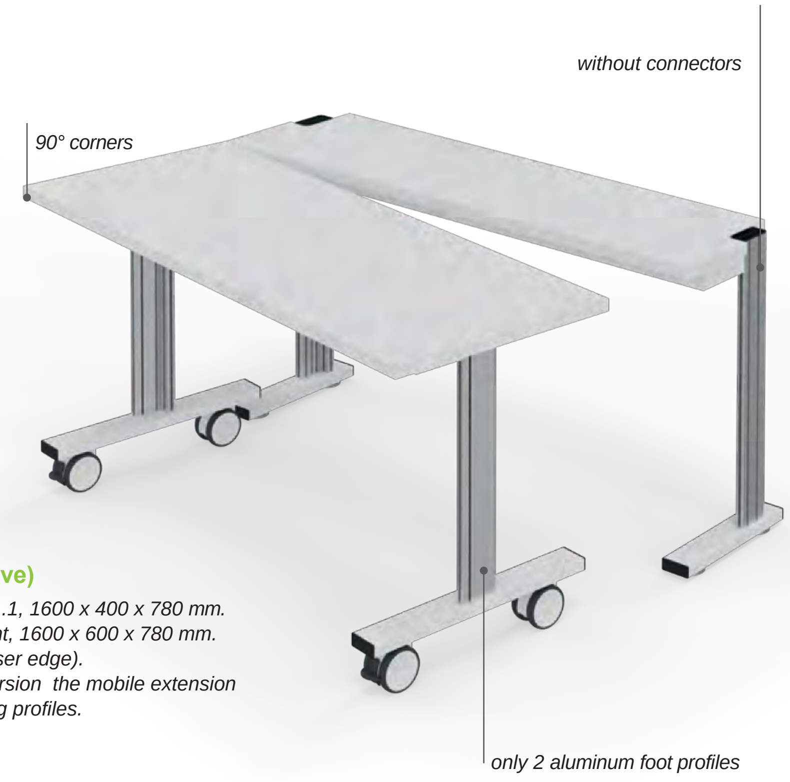


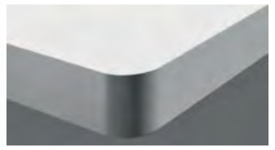
Figure 2:

Basic version (alternative)

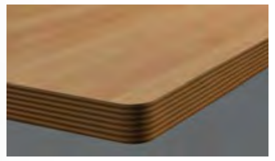
Laboratory table, table type 1.1, 1600 x 400 x 780 mm. Mobile extension table in front, 1600 x 600 x 780 mm. Worktop with 90° corners (laser edge). No connectors. The Basic version the mobile extension table only has 2 aluminum leg profiles.

Worktops:

alu-line (laser edge)



ergo-line (laser edge)



Multiplex

Mobile extension table: Version with T-foot. 4 swivel castors Ø 100 mm. Two of the castors are lockable. A theory area can be set up quickly and easily with the mobile extension table. Just as quickly and easily, the narrow laboratory tables can be transformed into professional laboratory workstations with sufficient space for exercises.

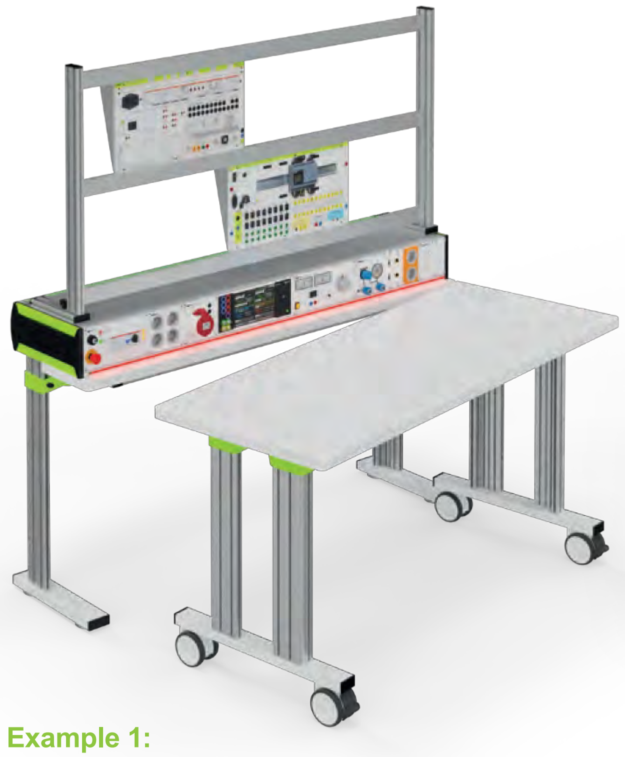
An optional stiffening frame is available for more stability.

Bracing frame for mobile extension table	
Table width	**Order no.**
600 mm	ELC8.5.0600
800 mm	ELC8.5.0800
1,000 mm	ELC8.5.1000
1,200 mm	ELC8.5.1200
1,600 mm	ELC8.5.1600
1,800 mm	ELC8.5.1800
2,000 mm	ELC8.5.2000

Mobile extension table (T-leg version) **connect: 4 aluminum leg profiles, Basic: 2 aluminum leg profiles**						
Length	**Depth**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
600 mm	600 mm	ELC1.1.0661A.T	ELC1.1.0662A.T	ELC1.1.0663A.T	ELC1.1.0664A.T	ELC1.1.0668A.T
800 mm	600 mm	ELC1.1.0861A.T	ELC1.1.0862A.T	ELC1.1.0863A.T	ELC1.1.0864A.T	ELC1.1.0868A.T
1,000 mm	600 mm	ELC1.1.1061A.T	ELC1.1.1062A.T	ELC1.1.1063A.T	ELC1.1.1064A.T	ELC1.1.1068A.T
1,200 mm	600 mm	ELC1.1.1261A.T	ELC1.1.1262A.T	ELC1.1.1263A.T	ELC1.1.1264A.T	ELC1.1.1268A.T
1,600 mm	600 mm	ELC1.1.1661A.T	ELC1.1.1662A.T	ELC1.1.1663A.T	ELC1.1.1664A.T	ELC1.1.1668A.T
1,800 mm	600 mm	ELC1.1.1861A.T	ELC1.1.1862A.T	ELC1.1.1863A.T	ELC1.1.1864A.T	ELC1.1.1868A.T
2,000 mm	600 mm	ELC1.1.2061A.T	ELC1.1.2062A.T	ELC1.1.2063A.T	ELC1.1.2064A.T	ELC1.1.2068A.T

Note Basic version: If the table is to be made in Basic, add **.B** to the order number in the order table**.**

Configuration examples



Example 1:

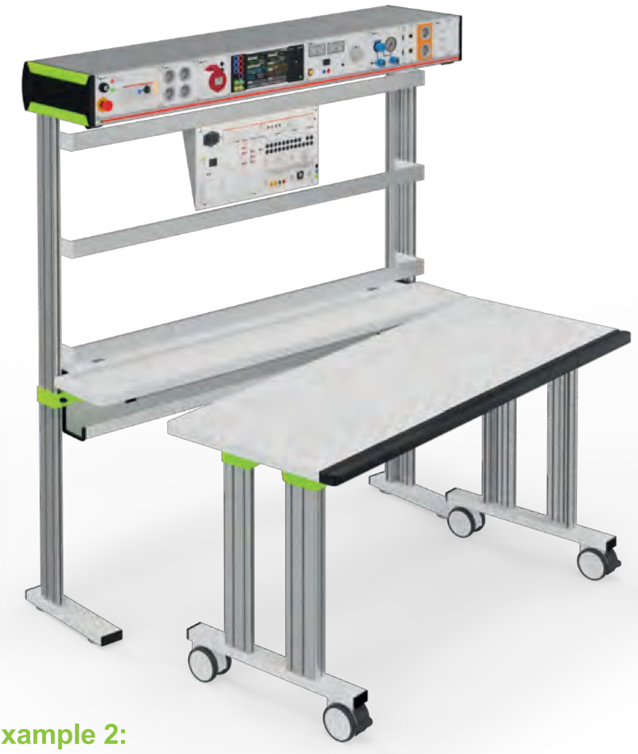
Laboratory bench: ELC1.1.1641.C
1600 x 400 x 780 mm. Table type 1.1. ergo-line worktop (laser edge).

Mobile extension table: ELC1.1.1661A.T 1600 x 600 x 780 mm. Worktop ergo-line (laser edge).

Structure:
19-inch table-top assembly, equipped with the *basic* and *elneos six* device series. 2-row experiment frame mounted on table top.

Basic version

laboratory table:
ELC1.1.1641.C.B2
Mobile extension table:
ELC1.1.1661A.T.B



Example 2:

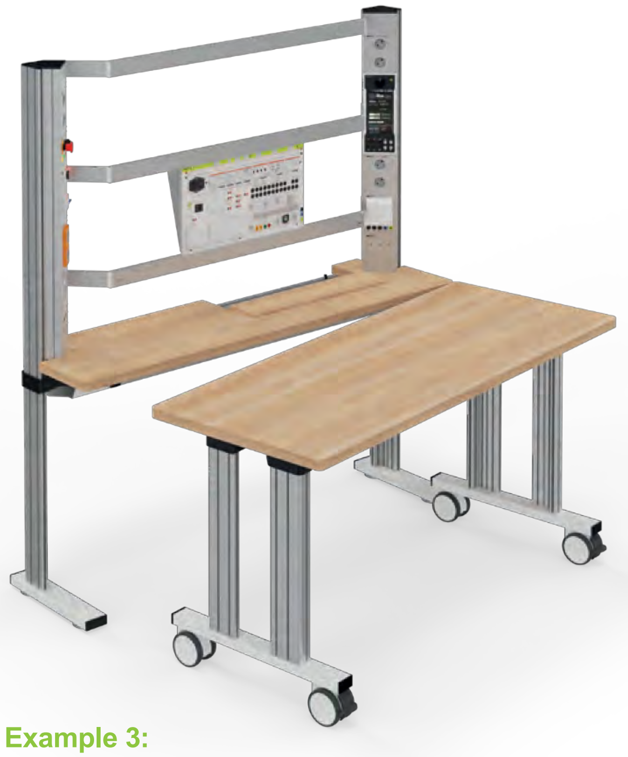
Laboratory bench: ELC1.1.1641.C
1600 x 400 x 780 mm. Table type 1.1. ergo-line worktop (laser edge).

Mobile extension table: ELC1.1.1663A.T 1600 x 600 x 780 mm. Worktop alu-line (laser edge).

Structure:
Extended L-profiles. 19-inch cockpit, equipped with the *basic* and *elneos six* device series. 2-row experiment frame between the base profiles. Cable aperture sockets embedded in the table top, open cable tray underneath the table.

Basic version

laboratory table:
ELC1.1.1641.C.B2
Mobile extension table:
ELC1.1.1663A.T.B



Example 3:

Laboratory bench: ELC1.2.1648.C
1600 x 400 x 780 mm. Table type 1.2 with 180° cable flap. Optional split cable flap. Multiplex worktop.

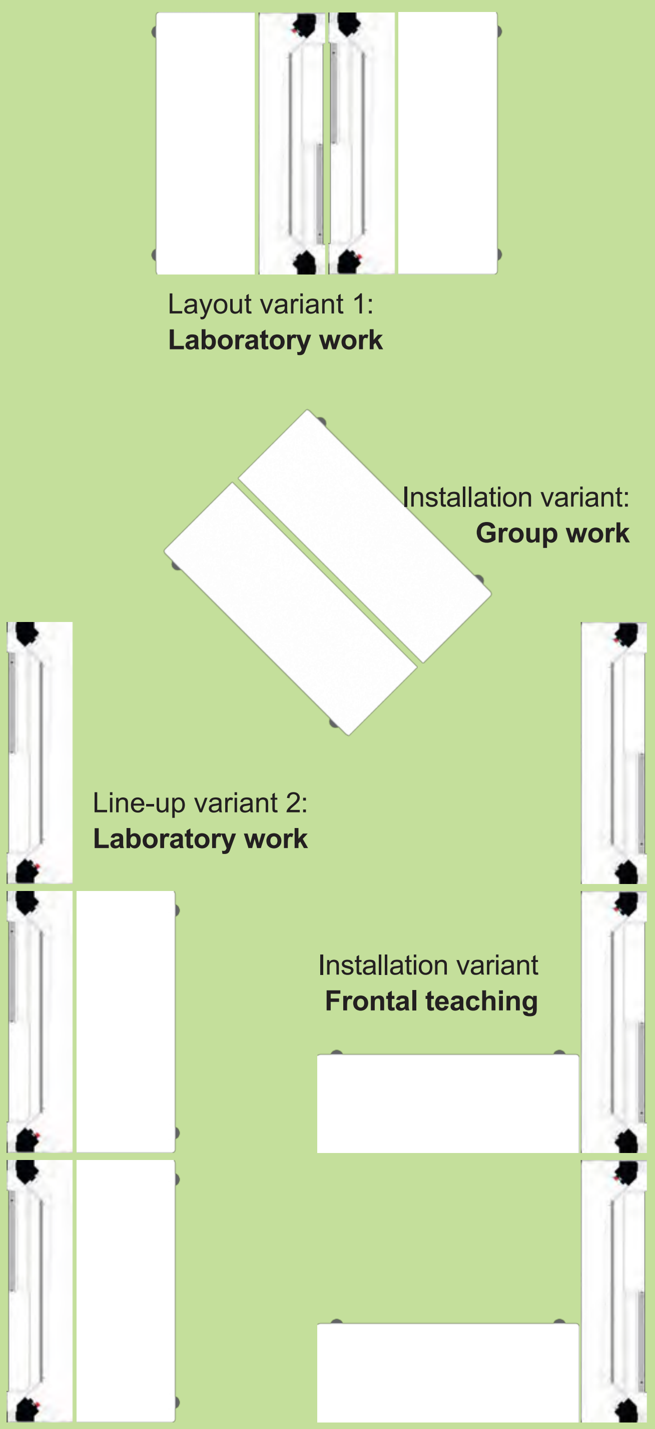
Mobile extension table: ELC1.1.1668A.T 1600 x 600 x 780 mm. Worktop multiplex.

Connectors each in graphite black, RAL 9011.

Structure:
Extended L-profiles with Expand 2 profiles on the left and right, fitted with the *acto* and *elneos six compact* device series. 2-row experiment frame between the base profiles.

Basic version

laboratory table:
ELC1.2.1648.C.B2
Mobile extension table:
ELC1.1.1668A.T.B



Installation options:

The laboratory table and the mobile extension table provide a wide range of set-up options:

- in series
- in angle combinations
- Back to back
- Group workstations, etc.

Wall-mounted workstations with storage space

Ergonomic functional handles, select version:

graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

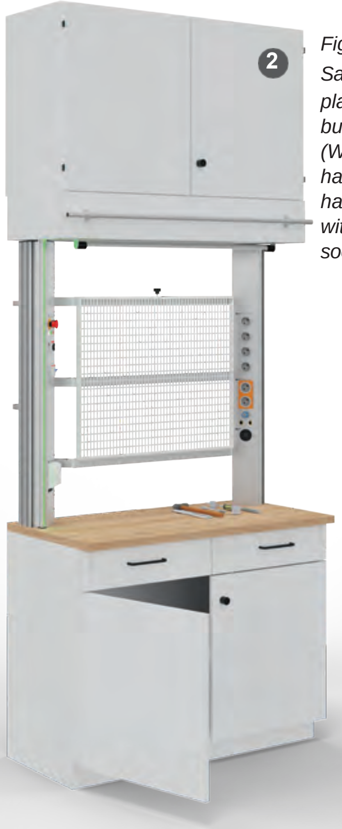


Figure 2: Same working place as Fig. 1 but in pro version. (With bow handles and handle olive, without functional sock).

Note: The L and Expand 2 profiles incl. acto equipment, the 2-row experiment frame and the vertical indication light must be ordered separately! The additional equipment is shown here as an example configuration of a workplace.

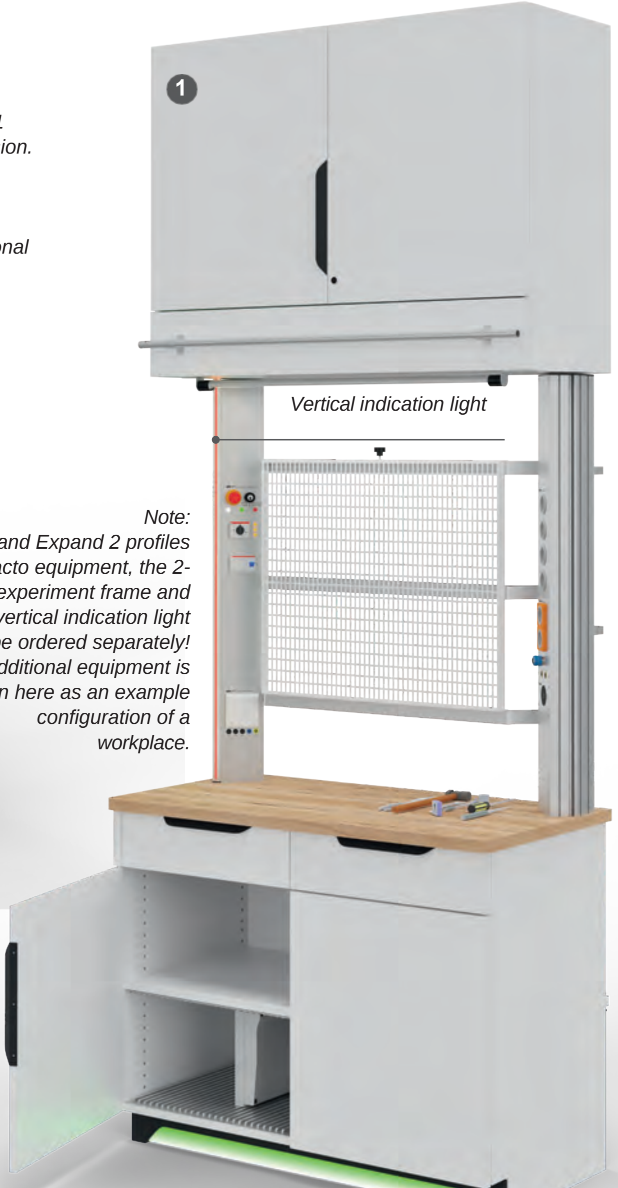


Figure 1: Wall-mounted cupboard with ladder panel and optional LED workstation light (page 107). Wall-mounted workstation with Multiplex worktop, size (W x D x H): 1200 x 600 x 930 mm. Design select. With optional connect-LINE plinth lighting (page 316). Additionally with superstructure (to be ordered separately): L-profiles with Expand 2 left and right - fitted with acto insert panels and optionally with vertical indication light in the Expand 2 profile for status display (page 108) and with 2-row experiment frame.

Technical product description:

Wall-mounted workstations with storage space
The wall-mounted workstations consist of a base cabinet and a worktop. The structure is variable and, as with the *elneos connect* tables, can be configured as required. Table superstructures, L-profiles and Expand 1 or Expand 2 profiles for holding storage boards, cockpits, devices, experiment frames, etc. are possible. For even more storage space, an optional wall-mounted cupboard can be selected above the respective workstation.

Standard version	① for select (.S)	② for pro (.P)
Worktop	Corner radius 20 mm	Corners °
Handles	Ergonomic functional handle, W: 300 mm; design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Plinth for base cabinet	Recessed functional base connect-LINE for optional mounting of the indication light. Design follows the shape of the connector	Set-back simple plinth

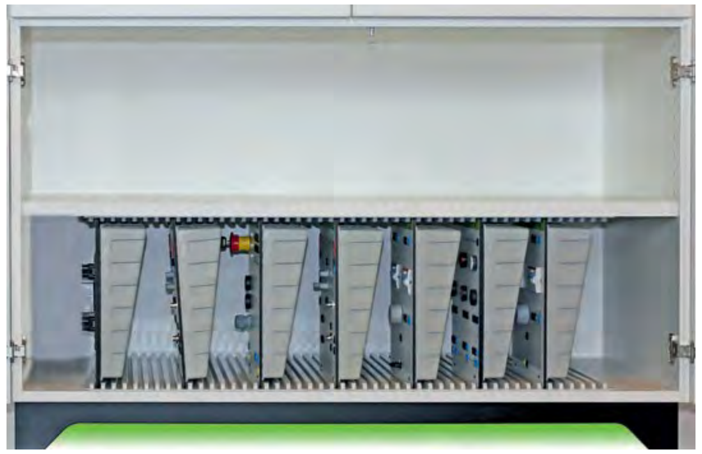


Figure 3: Base unit open. Top with open storage compartment, bottom with grooved mats for A4 teaching aids.

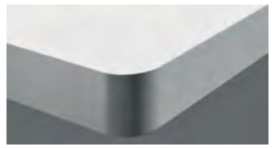
General information on the decor of the base unit

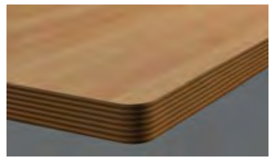
Execution select
Not conductive:
Fronts / carcase: front white; plinth: graphite black / front white ***ESD version:***
Fronts / carcase: front white;
Base: front white
(Optionally with connect-LINE plinth lighting, see page 316.)

Version per
Not conductive:
Fronts / carcase / plinth: front white
ESD version:
Fronts / carcase / plinth: front white

Worktops:

alu-line (laser edge)





Multiplex

Base unit: Size (D x H) 565 x 900 mm, plus worktop with size (D x H) 600 x 30 mm

- 12 mm thick back panel, grooved
- Number of drawers (3 U, full-extension) / hinged doors:
  for table length 1,200 mm:
  2 drawers / 2 hinged doors
  for table lengths 1,600 / 1,800 and 2,000 mm:
  2 drawers / 4 hinged doors incl. 1 center panel
- A4 compartment/trays with grooved mats at the bottom for holding Didactic teaching aids, usable depth: 532 mm
- Base: 75 mm recessed

All base units in select design can optionally be fitted with elneos connect LINE plinth lighting.

Structure: The wall workstations can be equipped with table superstructures and also with L-profiles and Expand 1 or Expand 2 profiles using adapters to accommodate storage shelves, cockpits, devices, experiment frames, etc.

Optional equipment

Vertical indication light: Integrated in the Expand 2 profile vertical. It shows the voltage levels in different colors and increases safety at the workplace, see page 108.

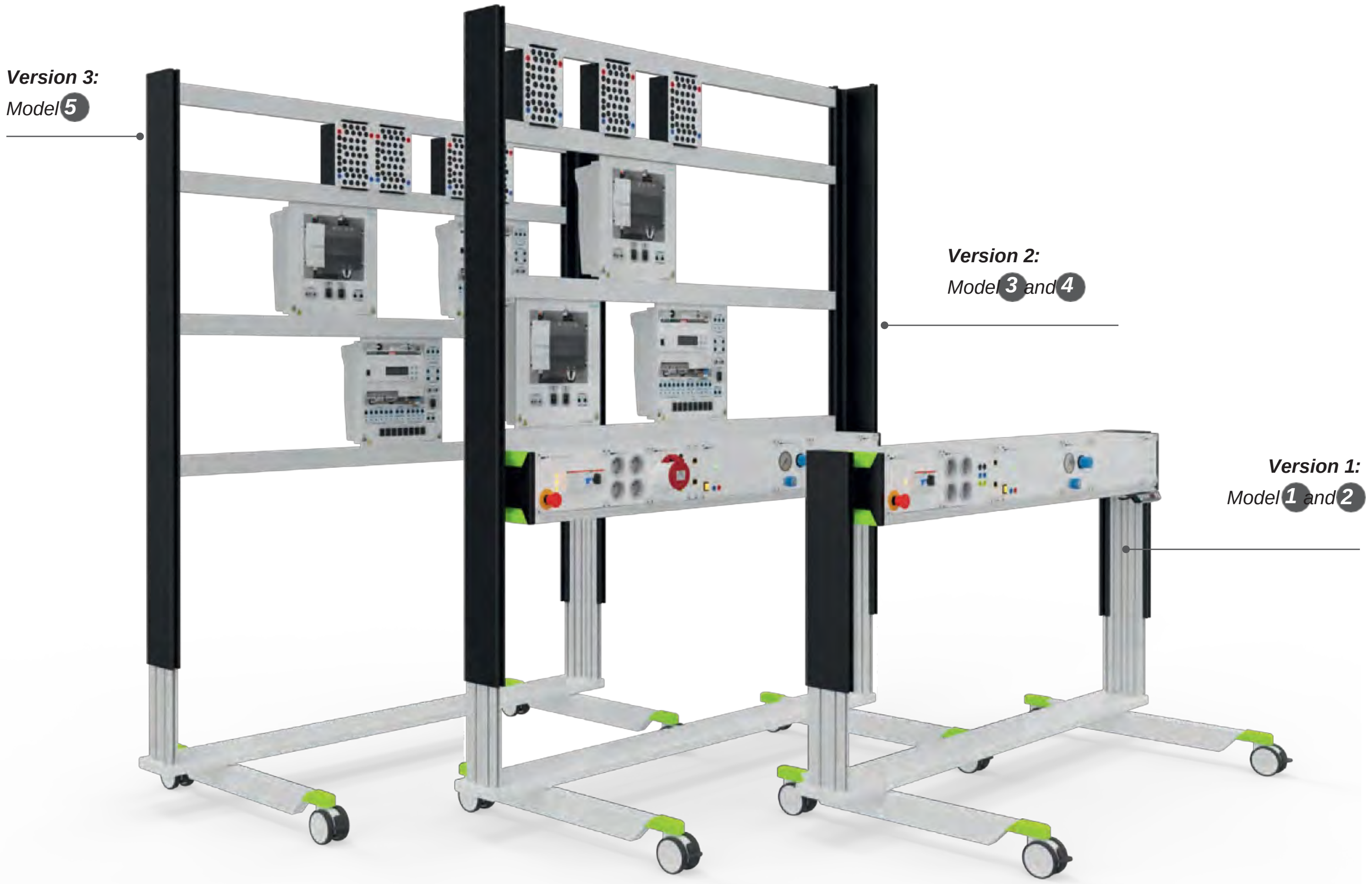
Connect-LINE plinth lighting: Integrated status indicator for open and closed. Alternative cabinet assembly complete/incomplete, see page 316. Only possible if select is selected.

Wall-mounted workstation with storage space (base unit with worktop, without superstructure)						
Length	**Depth**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1,200 mm	600 mm	ELC1.7.1261.x	ELC1.7.1262.x	ELC1.7.1263.x	ELC1.7.1264.x	ELC1.7.1268.x
1,600 mm	600 mm	ELC1.7.1661.x	ELC1.7.1662.x	ELC1.7.1663.x	ELC1.7.1664.x	ELC1.7.1668.x
1,800 mm	600 mm	ELC1.7.1861.x	ELC1.7.1862.x	ELC1.7.1863.x	ELC1.7.1864.x	ELC1.7.1868.x
2,000 mm	600 mm	ELC1.7.2061.x	ELC1.7.2062.x	ELC1.7.2063.x	ELC1.7.2064.x	ELC1.7.2068.x

Wall-mounted cupboard for wall-mounted workstation with storage space (with at least 1 adjustable shelf)						
		without ladder cover, H: 720 mm		**with ladder cover, H: 900 mm**		**Step ladder for wall-mounted cupboards with ladder panel:** ELCC.100.1 **Additional conductor holder:** ELCC.100.2 *See also page 323*
Length	**Depth**	**non-conductive**	**ESD**	**non-conductive**	**ESD**	
1,200 mm	420 mm	ELC1.7.1271.x	ELC1.7.1272.x	ELC1.7.1291.x	ELC1.7.1292.x	
1,600 mm	420 mm	ELC1.7.1671.x	ELC1.7.1672.x	ELC1.7.1691.x	ELC1.7.1692.x	
1,800 mm	420 mm	ELC1.7.1871.x	ELC1.7.1872.x	ELC1.7.1891.x	ELC1.7.1892.x	
2,000 mm	420 mm	ELC1.7.2071.x	ELC1.7.2072.x	ELC1.7.2091.x	ELC1.7.2092.x	
Additional equipment LED workstation light, see page 107						

Ordering information: Replace **.x** with the desired **version (.S or .P)**!

compact-line - mobile and flexible



Technical product description:

compact-line for training and further education in the field of mechatronics / pneumatics
The compact-line is mobile for individual laboratory and workshop design. The ingenious mobile frame enables back-to-back installation and the compact-line can be pushed together to save space when not in use.

The non-tipping base frame consists of a mobile frame with 4 swivel castors Ø 75 mm, two of which are lockable. 1 aluminum foot profile on the right and left. Stepless height adjustment by means of gas pressure spring, control unit and cable drag chain. Can therefore be conveniently released and locked by just 1 person.

Back-to-back installation.

Space-saving storage.

The compact-line is available in 3 versions:

Version 1: compact-line basic model①/②
- Travel frame
- Height adjustment
- 3 U aluminum trunking optionally with equipment 1-phase, 230 V or 3-phase, 400 V
- Size approx. (W x D x H): 1,505 x 700 x 830-1,295 mm

Version 2: compact-line complete model ③ ④ /
- Travel frame
- Height adjustment
- ER mounting frame
- 2-row experimental frame
- 3 U aluminum trunking optionally with equipment 1-phase, 230 V or 3-phase, 400 V
- Size approx. (W x D x H): 1,505 x 700 x 1,953-2,073 mm

Version 3: compact-line mobile ⑤
- Travel frame
- Height adjustment
- ER mounting frame
- 2-row experimental frame
- Size approx. (W x D x H): 1,505 x 700 x 1,340-1,670 mm

Technical product description:

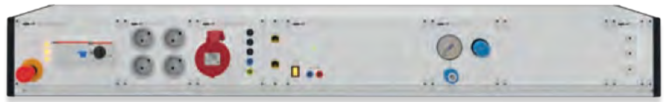
3 HE aluminum channel
The 3 U aluminum trunking with 19-inch mounting technology for devices from the *elneos six* device series
and *basic* are already preconfigured (assembly capacity* 263 TE).

The aluminum ducts have functional lids with ventilation on the left and right. The side covers are equipped with

Equipped with 3 U aluminum trunking, 1-phase, 230 V preconfigured with:
- 1-phase safety and switching unit:
  - Motor protection switch: 10-16 A
  - NFI switch type B: 30 mA, rated current 25 A
  - Emergency stop button with 2nd potential-free NC contact
  - Phase indicator light
- 4 socket outlets with earthing contact 230 V / 16 A
- 2 x 3 safety laboratory sockets 230 V (L1, N, PE)
- 2 RJ45 sockets CAT 6, 8-pin
- Fixed voltage 24 V / 5 A DC
- Compressed air control with 1 DN 5 coupling socket, self-adjusting, pressure gauge 0-10 bar, class 2.5

2 different color accents available (green RAL DESIGN 1107070 or grey RAL DESIGN 5500).

The energy channels electrically connected via an integrated multifunctional plug. The cable is led out at the bottom of the energy channel.
If the cable is not needed, it can be stowed away in the integrated cable tray.



Equipment 3 U aluminum trunking 3-phase, 400 V preconfigured with:
- 3-phase safety and switching unit:
  - Motor protection switch: 10-16 A
  - NFI switch type B: 30 mA, rated current 25 A
  - Emergency stop button with 2nd potential-free NC contact
  - 3 phase indicator lights
- 4 socket outlets with earthing contact 230 V / 16 A
- 1 CEE socket 400 / 230 V, max. 16 A
- 2 x 3 safety laboratory sockets 230 V (L1, N, PE)
- 2 RJ45 sockets CAT 6, 8-pin
- Fixed voltage 24 V / 5 A DC
- Compressed air control with 1 DN 5 coupling socket, self-adjusting, pressure gauge 0-10 bar, class 2.5

Version 1

Version 2

Execution 3

compact-line (width 1400 mm)	①	②	③	④	⑤
	Version 1: compact-line mobile, basic model		**Version 2: compact-line mobile, complete model**		**Version 3: compact-line mobile**
Color accent on the side	**Model 1 1-phase, 230 V**	**Model 2 3-phase, 400 V**	**Model 3 1-phase, 230 V**	**Model 4 3-phase, 400 V**	**Model 5 -**
green RAL DESIGN 1107070	ELC1.8.1401	ELC1.8.1402	ELC1.8.1405	ELC1.8.1406	ELC1.8.1409 (without aluminum channel)
gray RAL DESIGN 5500	ELC1.8.1403	ELC1.8.1404	ELC1.8.1407	ELC1.8.1408	

---

* Assembly capacity in TE (division unit) 1 TE= 5.08 mm

Mechaline for pneumatics, hydraulics, sensors

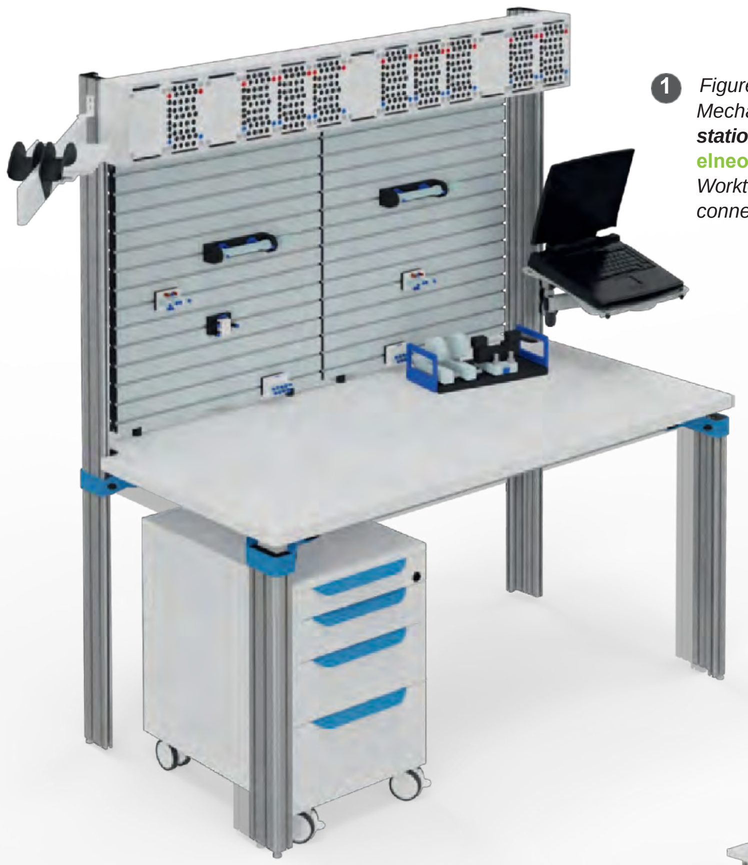
Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

NCS-S-1565-B, blue ELCC5



① *Figure 1:*
Mechaline single workstation
stationary
elneos connect
Worktop ergo-line (laser edge). With connectors.

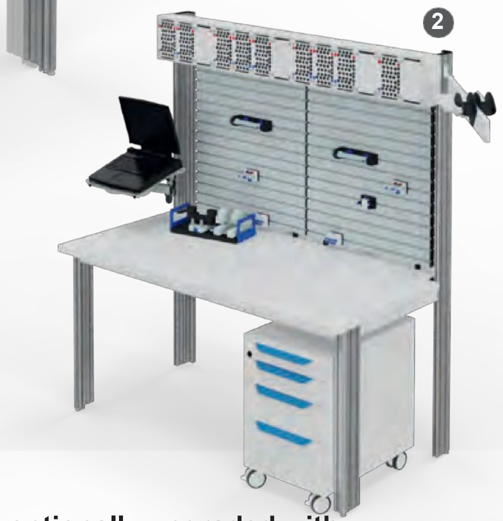


Figure 2:
Mechaline single workstation
stationary
elneos connect Basic
worktop with 90° corners (laser edge).
No connectors.
②

Technical product description:

Mechaline individual workstations - laboratory tables for training and further education in the field:
Mechatronics, pneumatics, hydraulics and sensors
The preconfigured laboratory benches are available as stationary and mobile units.

Mechaline single workstations stationary version

consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:

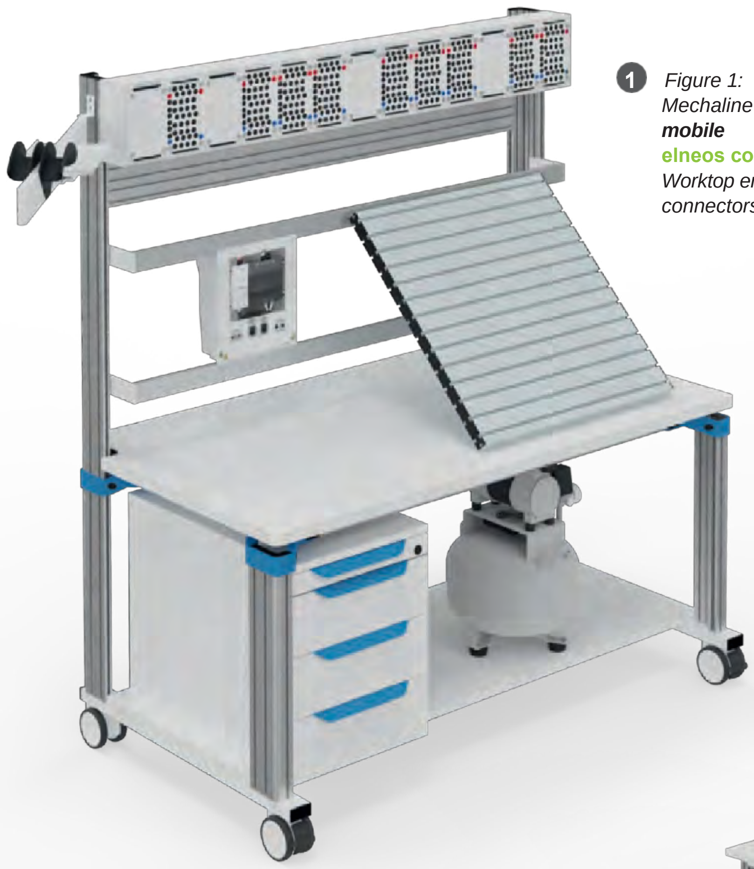
- Mounting frame for all ER units for control and regulation technology
- 1 mobile tool container with 4 drawers (material drawer, 3x 3 U)

The tables can be optionally upgraded with the following components:

- 2-row experiment frame with individually adjustable rails for DIN A4 teaching aids and profile plates for hanging, see page 212
- Profile plate between the L-profiles, size (W x H): approx. 1470 x 150 mm, see from page 217 onwards
- Profile plate between tabletop and ER mounting frame, size 700 x 700 mm, see from page 217
- Laboratory cord, hose and notebook holders, etc., see accessories from page 260 and page 373 onwards

Single-sided laboratory bench for mechatronics and pneumatics stationary					
Execution	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
① elneos connect	ELC1.9.1681.S1	ELC1.9.1682.S1	ELC1.9.1683.S1	ELC1.9.1684.S1	ELC1.9.1688.S1
② elneos connect Basic	ELC1.9.1681.S1.B	ELC1.9.1682.S1.B	ELC1.9.1683.S1.B	ELC1.9.1684.S1.B	ELC1.9.1688.S1.B

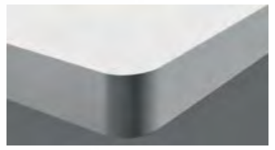
Individual workstations

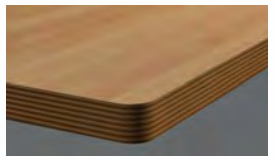


① *Figure 1:*
Mechaline single workstation
mobile
elneos connect
Worktop ergo-line (laser edge). With connectors.

Worktops:

alu-line (laser edge)


ergo-line (laser edge)


Multiplex

② *Figure 2:*
Mechaline single workstation
mobile
elneos connect Basic *worktop with 90° corners (laser edge).*
No connectors.

Mechaline single workstations mobile version

consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:

- Mounting frame for all ER units for control and regulation technology
- Sturdy mobile frame with 4 swivel castors Ø 100 mm, two of which are lockable
- 1 tool container with 4 drawers (material drawer, 3x 3 U)
- Storage shelf for e.g. compressor

The tables can be optionally upgraded with the following components:

- 2-row experiment frame with individually adjustable rails for DIN A4 teaching aids and profile plates for hanging, see page 212
- Profile plate between the L-profiles, size (W x H): approx. 1470 x 150 mm, see from page 217 onwards
- Profile plate between tabletop and ER mounting frame, size 700 x 700 mm, see from page 217
- Laboratory cord, hose and notebook holders, etc., see accessories from page 260 and page 373 onwards

Single-sided laboratory table for mechatronics and pneumatics mobile					
Execution	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
① elneos connect	ELC1.9.1681.M1	ELC1.9.1682.M1	ELC1.9.1683.M1	ELC1.9.1684.M1	ELC1.9.1688.M1
② elneos connect Basic	ELC1.9.1681.M1.B	ELC1.9.1682.M1.B	ELC1.9.1683.M1.B	ELC1.9.1684.M1.B	ELC1.9.1688.M1.B

Mechaline double workstations

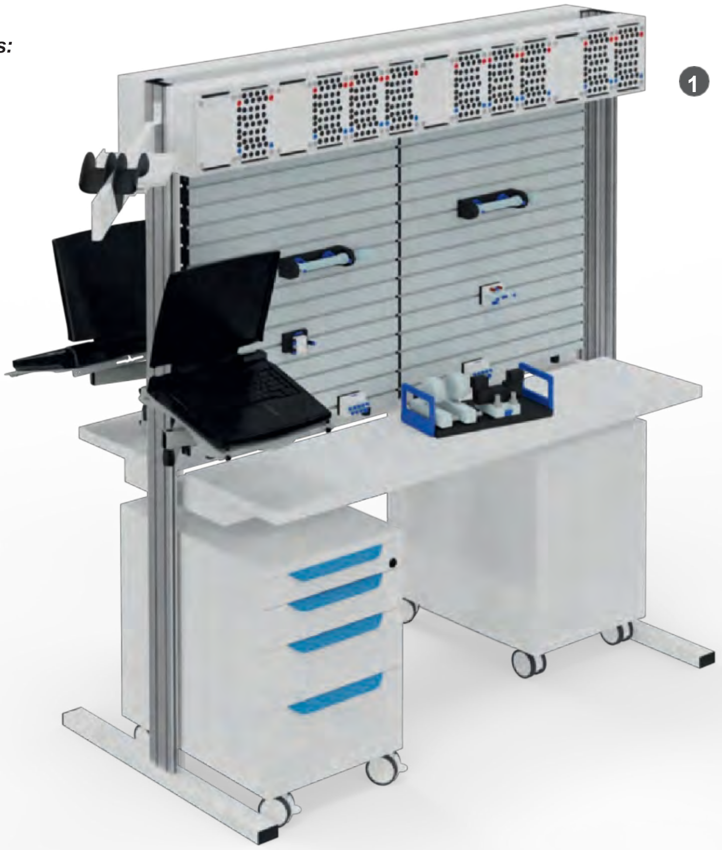
ergonomic functional handles:

graphite black
(RAL 9011) Series ELCCS1

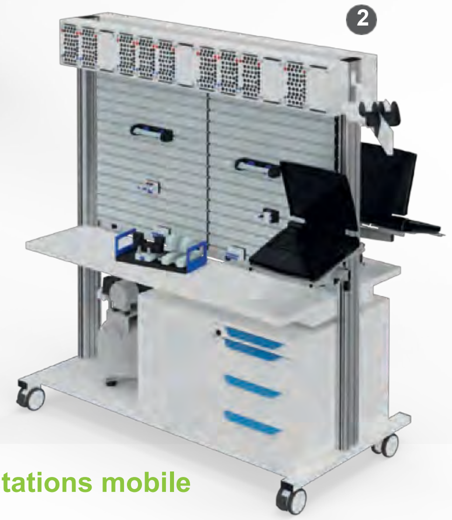
blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL
DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5



① *Figure 1:*
Mechaline double workstation
stationary
***elneos connect Basic** worktop with*
90° corners (laser edge).
No connectors.



② *Figure 2:*
Mechaline double workstation
mobil
elneos connect Basic
worktop with 90° corners
(laser edge).
No connectors.

Technical product description:

Mechaline double workstations - laboratory tables for training and further education in the field:
Mechatronics, pneumatics, hydraulics and sensors
The preconfigured laboratory benches are available as stationary and mobile units. These can be individually extended with various accessories.

Mechaline double workstations stationary version

consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:

- Mounting frame for all ER units for control and regulation technology
- 2 mobile tool containers with 4 drawers (material drawer, 3x 3 U)

Mechaline single workstations mobile version

consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:

- Mounting frame for all ER units for control and regulation technology
- Sturdy mobile frame with 4 swivel castors Ø 100 mm, two of which are lockable
- 2 tool containers with 4 drawers (material drawer, 3x 3 U)
- Storage shelf for e.g. compressor

Double-sided laboratory bench for mechatronics and pneumatics					
Execution **elneos connect Basic**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
① **stationary**	ELC1.9.1681.S2.B	ELC1.9.1682.S2.B	ELC1.9.1683.S2.B	ELC1.9.1684.S2.B	ELC1.9.1688.S2.B
② **mobile**	ELC1.9.1681.M2.B	ELC1.9.1682.M2.B	ELC1.9.1683.M2.B	ELC1.9.1684.M2.B	ELC1.9.1688.M2.B

Hexagonal workbenches

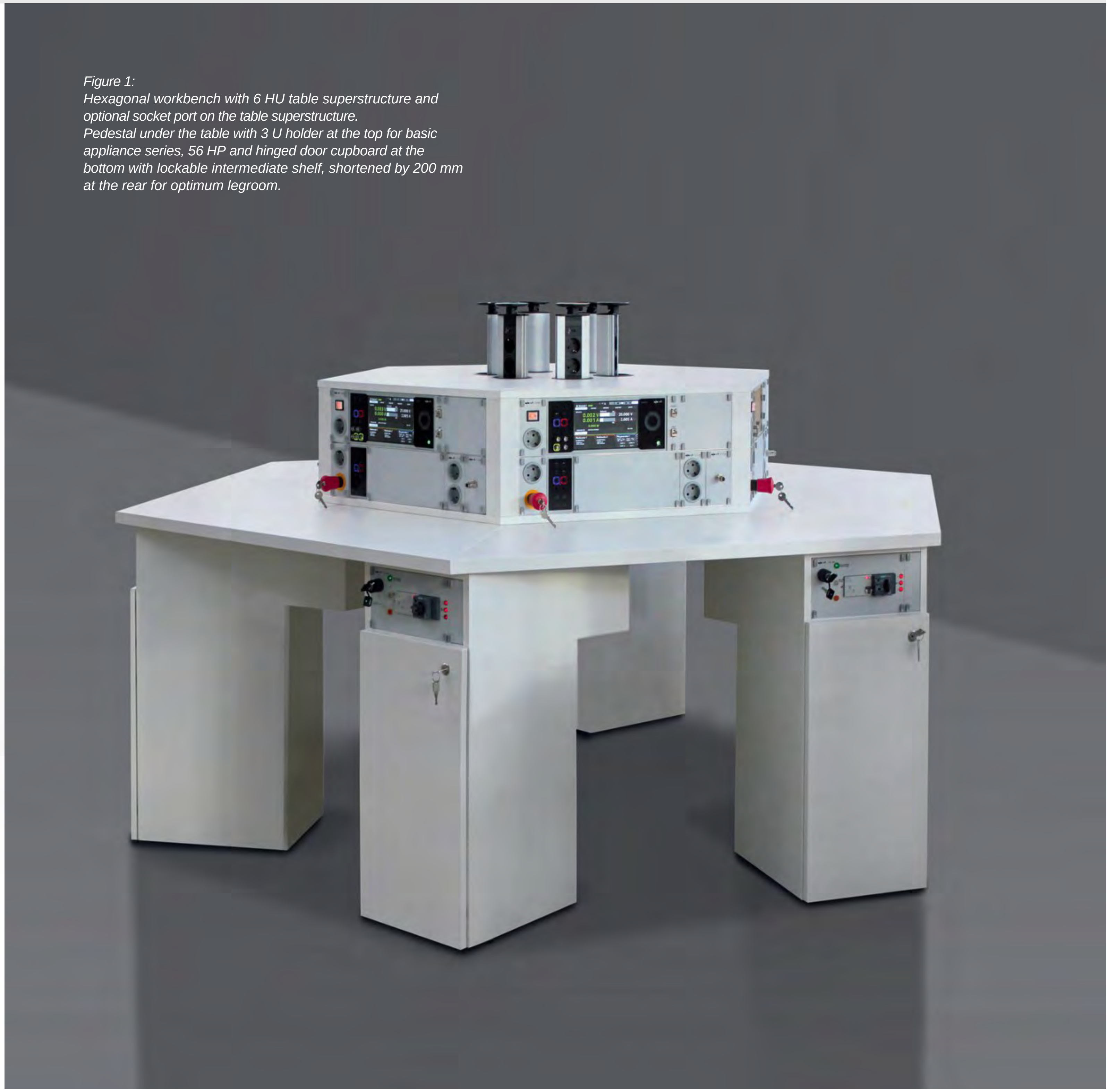


Figure 1:
Hexagonal workbench with 6 HU table superstructure and optional socket port on the table superstructure.
Pedestal under the table with 3 U holder at the top for basic appliance series, 56 HP and hinged door cupboard at the bottom with lockable intermediate shelf, shortened by 200 mm at the rear for optimum legroom.

Hexagonal workbenches

The hexagonal workbenches are ideal group workstations. A group workstation consists of a table top and 6 pedestals. Depending on the version, a 3- or 6-HE table structure with integrated device mounting mechanism for mounting the *basic* and *elneos six* insert plate range centrally on the hexagonal workbench.

Hexagonal workbenches for mechatronics engineers

Worktops

30 mm HPL laminate chipboard (laser edge), front white

Multiplex

Beech bar

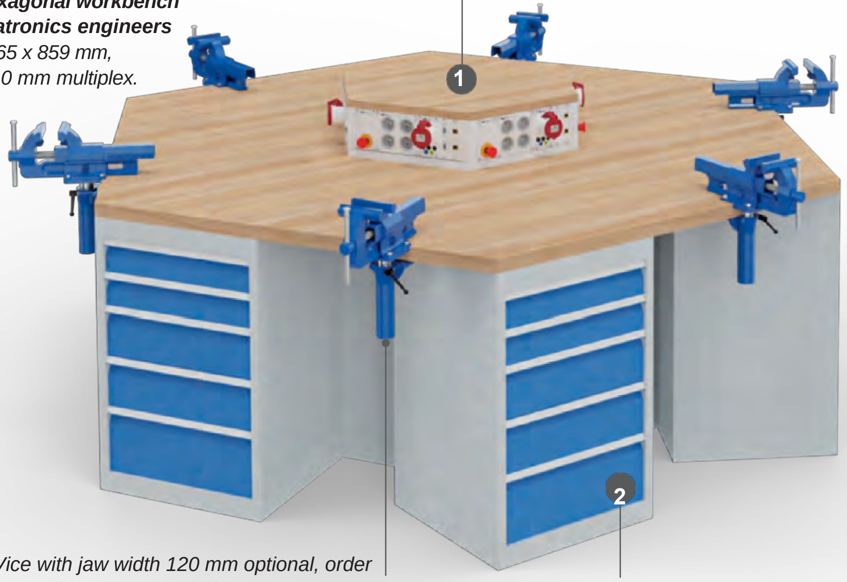


Fig. 1: Hexagonal workbench for mechatronics engineers
2500 x 2165 x 859 mm,
Worktop 40 mm multiplex.

3 U table structure

Vice with jaw width 120 mm optional, order no.: ELH3.120.4, see page 270

Steel drawer container

Pre-configured hexagonal workbenches with 19-inch / 3 U table structure
Workbench size: 2500 x 2165 x 859 mm
Worktop: Beech plywood or beech crossbars, multi-layer glued, 40 mm thick. Cleanly sanded, impregnated and coated with food-safe oil. Alternatively also available as a beech bolt top. Front seat edge approx. 1250 mm.
Work surface depth: approx. 720 mm up to table structure.

① Table structure
Size (W x D): 825 x 715 mm, 3 U. Assembly capacity: 1 x 70 HP per side. Side length approx. 413 mm.

② Steel drawer container
Size (W x D x H): 531 x 500 x 819 mm, 5 drawers, 2x 100 mm, 2x 150 mm and 1x 200 mm. 100% full extension, 100 kg load capacity,
6x intermediate plate, color: RAL 7035 / RAL5012.

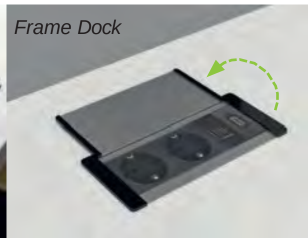
Optional equipment

Additional electrification possible for each student on the table structure, see page 374.

Flip top

Port

Back Flip



Frame Dock

Hexagonal workbenches for mechatronics engineers with 19-inch / 3 U table structure	
Multiplex	ELC1.6.2438
Beech bar	ELC1.6.2439

Hexagonal workbenches for electronics technicians

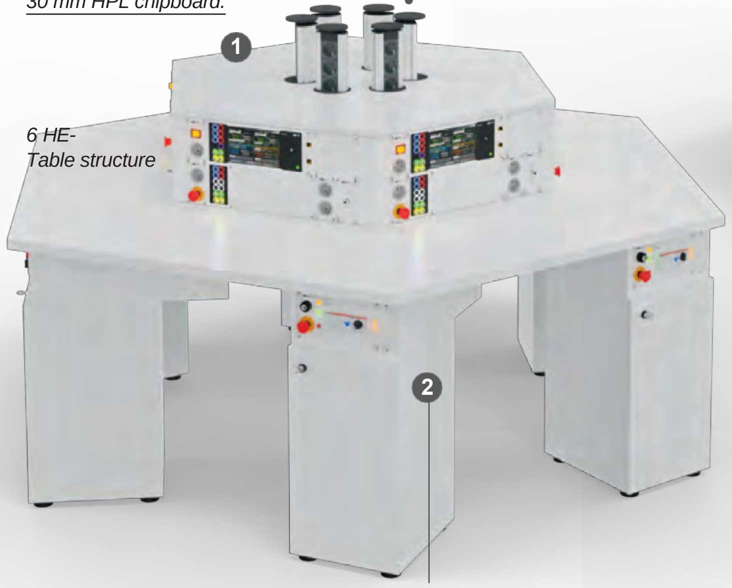


Fig. 2 below: Hexagonal workbench for electronics technicians, size 1
2425 x 2100 x 820 mm, worktop 30 mm HPL chipboard.

Socket port optional, with 2 sockets and 1 USB, order no: ELC.P2, see page 374

6 HE-
Table structure

Pedestal

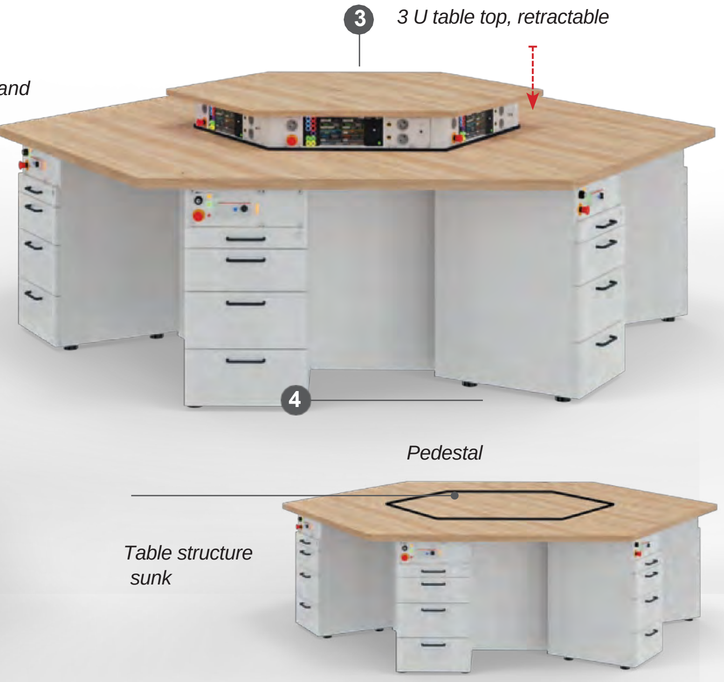


Fig. 3 right: Hexagonal workbench for electronics technicians with retractable 3 U table top, size 2
3000 x 2600 x 820 mm, worktop 30 mm multiplex.

Pre-configured hexagonal workbench with 19-inch / 3 U or 6 U table structure
Workbench size 1: 2425 x 2100 x 820 mm.

Work surface: HPL chipboard, choice of beech multiplex or beech crossbar. Front seat edge approx. 1212 mm.

Work surface depth: approx. 470 mm up to table structure.

① Table structure
Size (W x D): 1339 x 1159 mm, 6 U alternatively 3 U. Assembly capacity: 2 x 112 HP per side.
Side length: 673 mm.

② Pedestal
Size (W x D x H): 330 x 594 x 790 mm. Top: 3 U mounting for basic device series, size (W x D x H): 330 x 570 x 172 mm / 56 HP
Below: Hinged door cupboard with lockable intermediate shelf, size (W x D x H): 330 x 394 x 618 mm, shortened by 200 mm at the rear for optimum legroom.

Preconfigured hexagonal workbenches with 19-inch / 3 U or 6 U table structure, retractable
Workbench size 2: 3000 x 2600 x 820 mm, covered all round to protect the mechanics from dust.

Work surface: HPL chipboard, choice of beech multiplex or beech crossbar. Front seat edge approx. 1500 mm.

Work surface depth: approx. 620 mm up to table structure

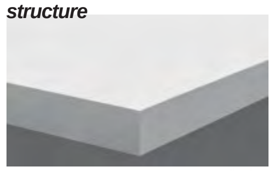
③ Retractable table structure
Size (W x D): 1339 x 1159 mm, 6 U alternatively 3 U.
Assembly capacity: 2 x 112 HP per side.
Side length: 673 mm.

④ Pedestal
W x D x H: 430 x 580 x 790 mm.
Top: 3 U mounting for *basic* appliance series, size (W x D x H): 430 x 580 x 172 mm / 77 HP Bottom:
Lockable drawer cabinet with
4 drawers, 1 x 1 U, 1 x 3 U, 2 x 4 U.

Hexagonal workbenches for electronics technicians with 19-inch / 3 U or 6 U table structure				
	Workbench with fixed table structure **Size 1:** 2425 x 2100 x 820 mm		**Workbench with retractable table structure** **Size 2:** 3000 x 2600 x 820 mm	
	with 3 U table structure	**with 6 U table structure**	**with 3 U table structure**	**with 6 U table structure**
HPL - chipboard	ELC1.6.2431.1	ELC1.6.2461.1	ELC1.6.2431.2	ELC1.6.2461.2
Multiplex	ELC1.6.2438.1	ELC1.6.2468.1	ELC1.6.2438.2	ELC1.6.2468.2
Beech bar	ELC1.6.2439.1	ELC1.6.2469.1	ELC1.6.2439.2	ELC1.6.2439.2

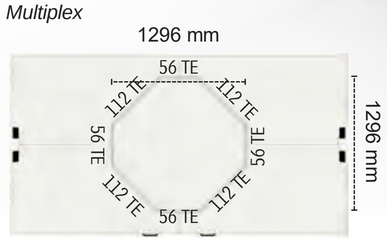
Desk superstructures 19-inch octagon / equipment rack

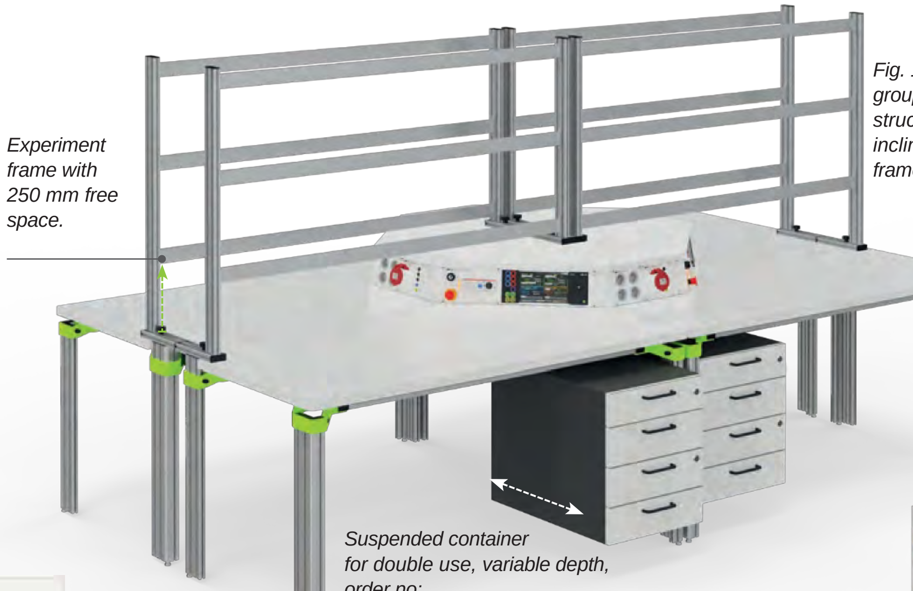
Cover plate octagonal structure



20 mm HPL laminate chipboard (laser edge), front white

Multiplex





Experiment frame with 250 mm free space.

Fig. 1: Four-person table group with octagonal structure 3 U, device front inclined 10°. Experimental frame optional.

Suspended container for double use, variable depth, order no: ELC6.2.544.HCT.1 - see page 209.

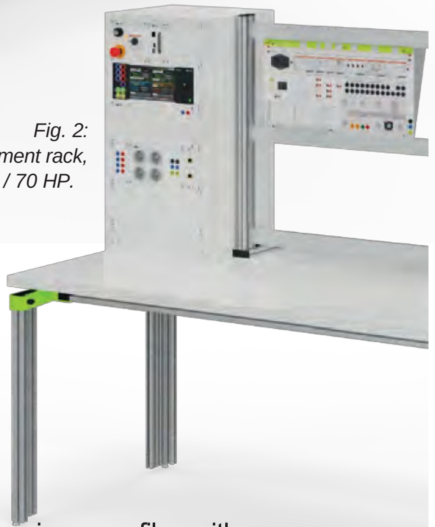


Fig. 2: 19 inch equipment rack, 5 x 3 U / 70 HP.

Technical product description:

Desktop superstructures 19-inch octagon /device rack

The table superstructures are made of wood / laminate. They include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial/full racks. Standardized connectors according to DIN 41612 type H 15.

Optional equipment

Experimental frame DIN A4 for mounting on table top

H-profiles 50 mm high with integrated brush, single adjustable, between 2 vertical aluminum profiles with functional grooves for connecting further system

19-inch / 3 U octagonal table structure (size: 1,296 x 1,296 x 172 mm, configuration 4x 112 HP, 4x 56 HP)	
Décor	**Order no.**
Front white, non-conductive	ELC4.3.1281
Multiplex (top panel)	ELC4.3.1288
Device front inclined 10° optional	ELC4.5.0001

19-inch device rack incl. 19-inch device mount (installation height: 715 mm / 15 U)		
Size (W x D x H)	**Device holder**	**Order no.**
257 mm x 360 x 788 mm	5 x 3 U / 42 HP	ELC4.3.1942
328 mm x 360 x 788 mm	5 x 3 U / 56 HP	ELC1.6.1956
399 mm x 360 x 788 mm	5 x 3 U / 70 HP	ELC1.6.1970
470 mm x 360 x 788 mm	5 x 3 U / 84 HP	ELC1.6.1984
525 mm x 360 x 715 mm	5 x 3 U / 19-inch	ELC1.6.1919

Experimental frame						
in conjunction with octagonal table structure, with clearance 250 mm				**in conjunction with 19-inch equipment rack,** without free space		
Table length	**1-row** Height: 660 mm	**2-row** Height: 995 mm	**3-row** Height: 1,330 mm	**1-row** Height: 452 mm	**2-row** Height: 788 mm	**3-row,** Height: 1,123 mm
1,200 mm	ELC7.3.1200.1T	ELC7.3.1200.2T	ELC7.3.1200.3T	ELC7.2.1200.1G	ELC7.2.1200.2G	ELC7.2.1200.3G
1,600 mm	ELC7.3.1600.1T	ELC7.3.1600.2T	ELC7.3.1600.3T	ELC7.2.1600.1G	ELC7.2.1600.2G	ELC7.2.1600.3G
1,800 mm	ELC7.3.1800.1T	ELC7.3.1800.2T	ELC7.3.1800.3T	ELC7.2.1800.1G	ELC7.2.1800.2G	ELC7.2.1800.3G
2,000 mm	ELC7.3.2000.1T	ELC7.3.2000.2T	ELC7.3.2000.3T	ELC7.2.2000.1G	ELC7.2.2000.2G	ELC7.2.2000.3G

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* Assembly capacity in TE (division unit) 1 TE= 5.08 mm

Container for dual use

Technical features

- 1 lock per student, 2 locks in total
- with intermediate shelf (theft protection)

Variable depth suspended containers

Easy to move thanks to high-quality ball bearing guide. Locking at the rear by means of magnets. Sufficient legroom at the front for an additional person. Recommended table depth for variable depth suspended containers: 1000 mm.

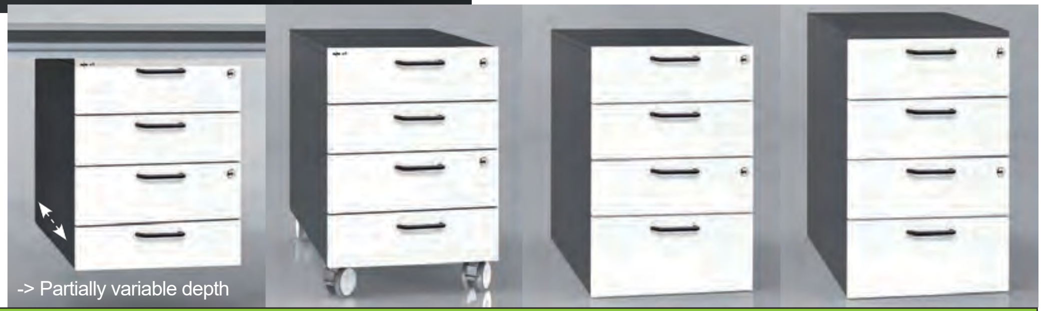
Please replace the "**x**" with the desired decor of the container. **Decor 1** *Non-conductive decor*

Fronts: Front white, carcass: graphite black

Décor 2 *Non-conductive décor* Fronts: Front white, body: Front white **decor 3** *ESD version*

Fronts: Front white, carcass: Front white

Note:
1 U= 50 mm, top pull-out with extra deep insert for writing utensils as standard!



Container for dual use						
Depth	**Width**	**Useful depth**	**Suspended container** H: 527 mm / 10 U **Classification:** 1x 3 U, 1x 2 U / 1x 3 U, 1x 2 U	**Roll container** H: 612 mm / 10 U **Classification:** 1x 3 U, 1x 2 U / 1x 3 U, 1x 2 U	**Pedestal** H: 647 mm / 12 U **Classification:** 2x 3 U / 2x 3 U	**Side container** H: 780 mm / 13 U **Classification:** 2x 3 U / 1x 3 U, 1x 4 U
640 mm	430 mm	490 mm	ELC6.2.544.HC.x	ELC6.2.544.RC.x	ELC6.2.544.SC.x	ELC6.2.544.BC.x
	Variable depth		ELC6.2.544.HCT.x	-	-	-
640 mm	330 mm	490 mm	ELC6.2.534.HC.x	ELC6.2.534.RC.x	ELC6.2.534.SC.x	ELC6.2.534.BC.x
	Variable depth		ELC6.2.534.HCT.x	-	-	-
790 mm	430 mm	490 mm	ELC6.2.744.HC.x	ELC6.2.744.RC.x	ELC6.2.744.SC.x	ELC6.2.744.BC.x
790 mm	430 mm	690 mm	ELC6.2.746.HC.x	ELC6.2.746.RC.x	ELC6.2.746.SC.x	ELC6.2.746.BC.x
790 mm	330 mm	490 mm	ELC6.2.734.HC.x	ELC6.2.734.RC.x	ELC6.2.734.SC.x	ELC6.2.734.BC.x
790 mm	330 mm	690 mm	ELC6.2.736.HC.x	ELC6.2.736.RC.x	ELC6.2.736.SC.x	ELC6.2.736.BC.x

Options	
Full-extension runner for drawer depth 490 mm	ELC6.9.1
Full-extension runner for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Didactic- Mobile

Ergonomic functional handles, select version:

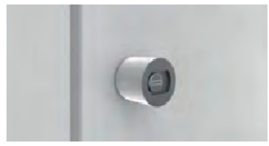
graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

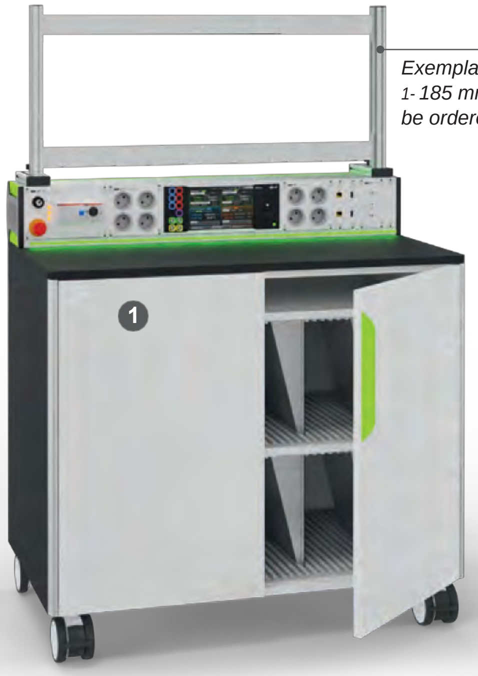
elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Handle, pro version:

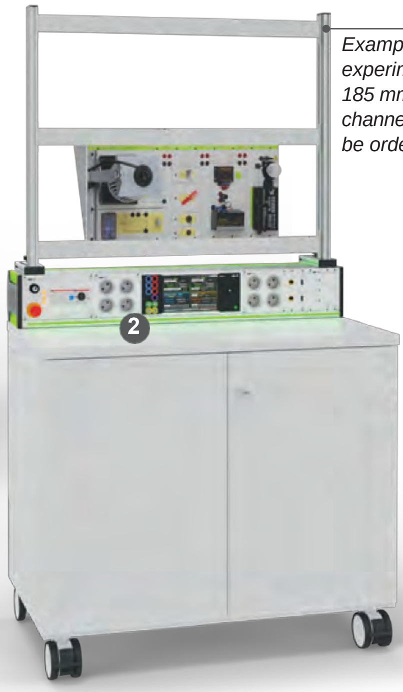


Wardrobe doors: Handle olive with integrated drawer Series



Exemplary structure:
1- 185 mm deep aluminum channel (the assembly must be ordered separately!)

Figure 1 (above):
Didactic-Mobil elneos cubix 1 select with aluminum impact protection on the outside of the cabinet, decor 1, non-conductive. Fronts in front white, body in graphite black. Ergonomic functional handle in elneos green (optional).



Example setup: 2-row experiment frame on a 185 mm deep aluminum channel (the setup must be ordered separately!).

Figure 2:
Didactic-Mobile elneos cubix 1 pro, decor 1, non-conductive. Fronts and carcase in front white.

Technical product description:

Didactic mobile elneos cubix 1

The compact Didactic mobile (without superstructure, equipment and teaching aids) consists of a mobile sideboard with 1 storage compartment at the top and 2 compartments for DIN A4 teaching aids at the bottom. Swivel castors Ø 75 mm. Two of the swivel castors are lockable. Size 1,200 x 700 x 900 mm.

With the compact Didactic mobile elneos cubix 1

The select or pro versions are .

The compact Didactic mobile can be fitted with, for example, a table structure made of wood/laminate or aluminum (see page 111 ff.) as well as a 1- or 2-seater table.
2-row experiment frame (see page 216).

Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm Design follows the shape of the connector	Handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Cover plate	19 mm	30 mm
Aluminum impact protection edge	anodized	not available
Outer cabinet sides	graphite black or optionally front white	front white

Didactic-Mobil elneos cubix 1

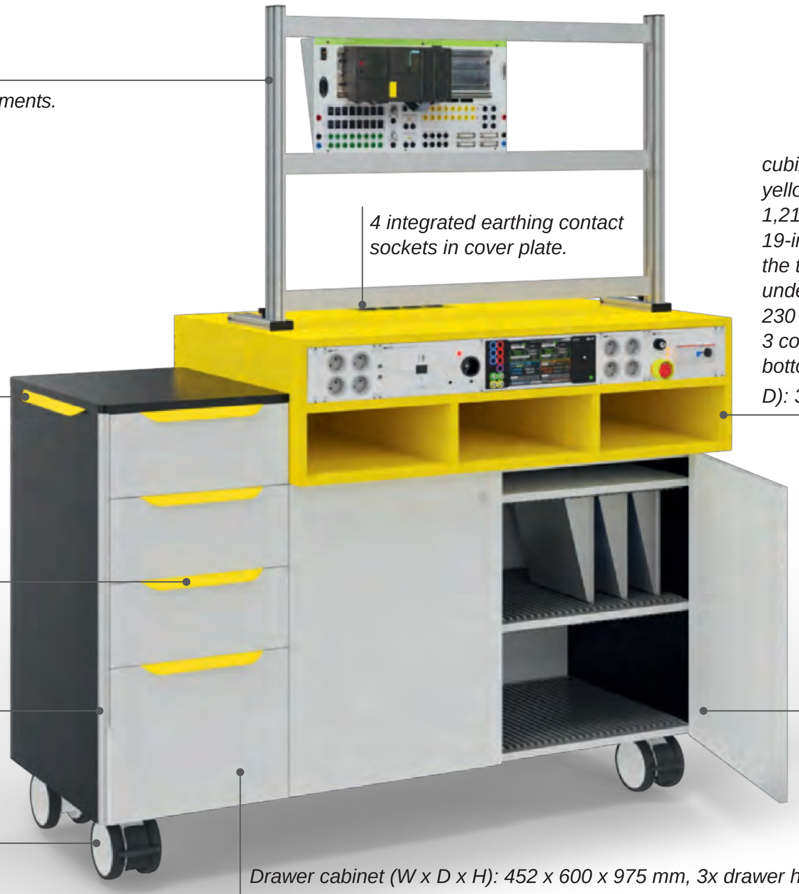
	Dekor 1	Dekor 2
① **elneos cubix select**	ELCCS.DM1.1	ELCCS.DM1.2
② **elneos cubix pro**	ELCCP.DM1.1	

General information on the decor

Version select Décor 1: *Non-conductive* Fronts: front white Carcass: graphite black **Décor 2:** *Non-conductive* Fronts: front white Carcass: front white

Version per
Decor 1: *Non-conductive* Fronts: front white Carcass: front white

ESD decors on request.



2- series of experiments.

4 integrated earthing contact sockets in cover plate.

cubix element, zinc yellow. Size (W x D x H): 1,214 x 700 x 325 mm. 19-inch mounting technology at the top with 3 ventilation grilles underneath (mounting capacity 230 HP). 3 compartments at the bottom, each measuring (W x D): 378 x 130 mm.*

Push handle (elneos functional handle) in zinc yellow (optional).

elneos functional handle in zinc yellow (option).

Hinged door wardrobe (W x D x H): 1,138 x 600 x 780 mm. 1 storage compartment at the top, 70 mm high. 2 grooved mat compartments at the bottom for DIN A4 teaching aids, usable width 1,100 mm, Useful depth 520 mm.

Aluminum impact protection on the outside of the cabinet.

Swivel castors Ø 100 mm.
Two of them detectable.

Drawer cabinet (W x D x H): 452 x 600 x 975 mm, 3x drawer height 200 mm, 1x drawer height 355 mm. Usable width: 330 mm, usable depth: 490 mm.

Technical product description:

Didactic-Mobile elneos cubix 2
(only available in select version!)

The large Didactic mobile is already pre-configured (as shown, without equipment / teaching aids). Size incl. 2-row experiment frame (W x D x H): 1,666 x 700 x approx. 2,015 mm. With 4 swivel castors Ø 100 mm, extremely resilient. Two of the castors are lockable. Push handle on the left. Aluminum impact protection edges on the outside of the cabinet.

Structure:

- Left: 4 drawers (4 I 4 I 4 I 7 U)
- Right from top to bottom:
  - 2-row experimental frame with cantilever
  - cubix element: Protrusion all round approx. 50 mm. With 19" receptacle for devices from the *elneos six* and *basic* device series (equipment capacity* 230 HP) and 3 open storage compartments
  - Hinged door cupboard for DIN A4 teaching materials (2x DIN A4)

Didactic-Mobile elneos cubix 2

	Didactic-Mobile	
cubix element	**Decor 1**	**Decor 2**
Decor 1: graphite black	ELCCS.DM2.1.1	ELCCS.DM2.2.1
Decor 2: front white	ELCCS.DM2.1.2	ELCCS.DM2.2.2
Décor 3: chartreuse green (U19508)	ELCCS.DM2.1.3	ELCCS.DM2.2.3
Decor 4: zinc yellow (RAL1018)	ELCCS.DM2.1.4	ELCCS.DM2.2.4

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* Insertio capacity in TE (division unit) 1 TE= 5.08 mm

Experimental frame between foot profiles

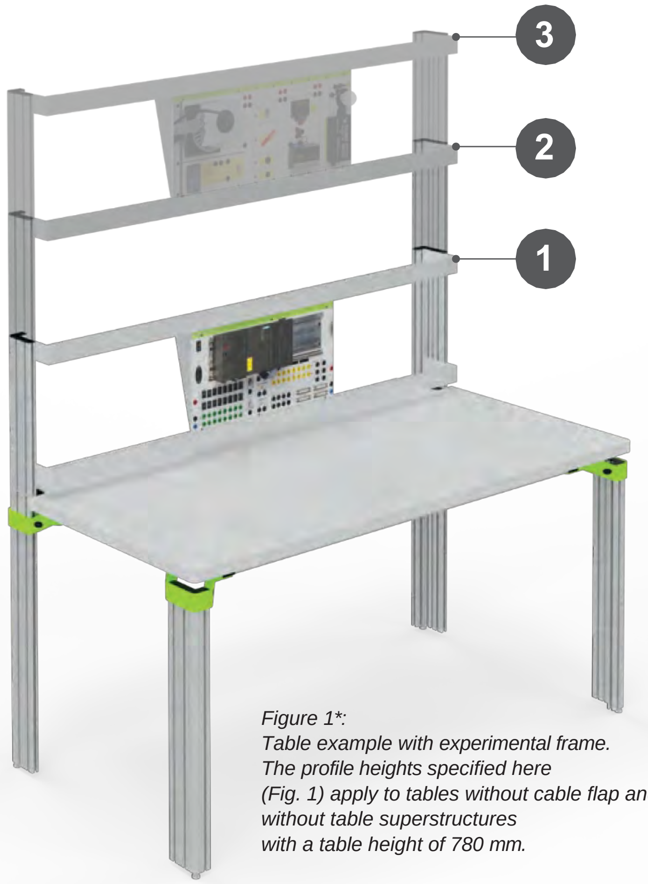


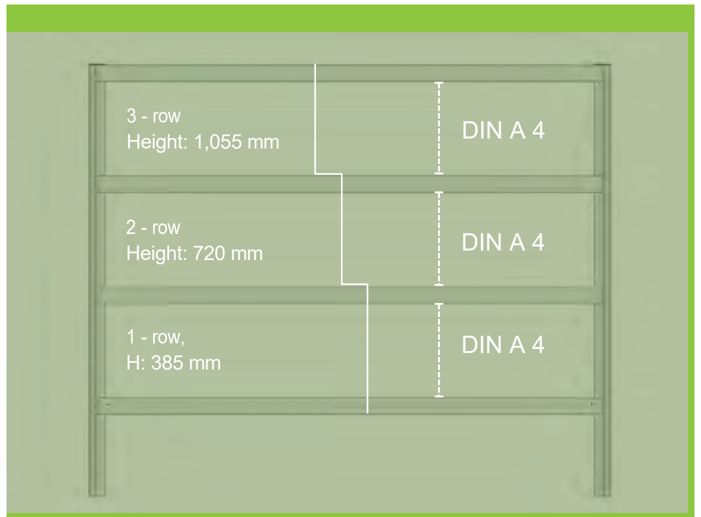
Figure 1:
Table example with experimental frame.
The profile heights specified here
(Fig. 1) apply to tables without cable flap and
without table superstructures
with a table height of 780 mm.*

The following applies to tables without a cable flap:

① Experimental frame 1 - row
Profile height: 1,200 mm

② Experimental frame 2 - row
Profile height: 1,600 mm

③ Experimental frame 3 - rows
Profile height: 1,900 mm



Experimental frame DIN A4

Experiment frames are used to hold DIN A4 experiment panels as well as perforated panels and tabletops for hanging.

The aluminum anodized H-profiles with integrated brushes are 50 mm high and individually adjustable so that ER modules from Festo Didactic, for example, can also be adjusted.

Table example with shelf and 2-row experiment frame.

Table example with cockpit 3 U and 2-row experiment frame.

Experimental frame DIN A4 between two aluminum base profiles

The experiment frames are mounted in an ergonomic position using side brackets (200 mm indented from the rear edge of the table).
Can be combined with cockpits, storage shelves and table superstructures.

Order note

In combination with storage shelves and cockpits, the rear leg profiles of the table are extended accordingly*.

**** Profile extensions for table example
Figures 1 and 2 in combination with:***
- *Shelf+ 100 mm*
- *Cockpit 3 U aluminum+ 150 mm*
- *Cockpit 3 HE laminate chipboard + 200 mm*
- *Cockpit 3 HE laminate laminate chipboard inclined + 250 mm*
- *Cockpit 6 HE laminate chipboard + 300 mm*
- *Cockpit 6 HE laminate laminate chipboard inclined + 350 mm*

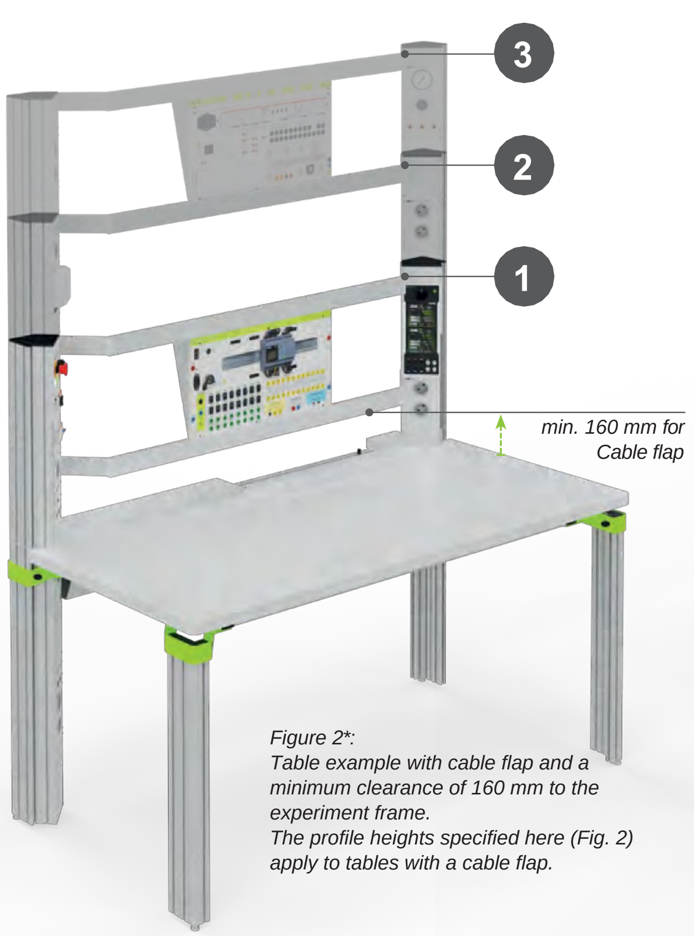


Figure 2:
Table example with cable flap and a minimum clearance of 160 mm to the experiment frame.
The profile heights specified here (Fig. 2) apply to tables with a cable flap.*

The following applies to tables with cable flap:

① Experimental frame 1 - row
Profile height: 1,400 mm

② Experimental frame 2 - row
Profile height: 1,700 mm

③ Experimental frame 3 - rows
Profile height: 2,000 mm

Order note

In conjunction with storage shelves and cockpits the rear leg profiles of the table are extended accordingly*.

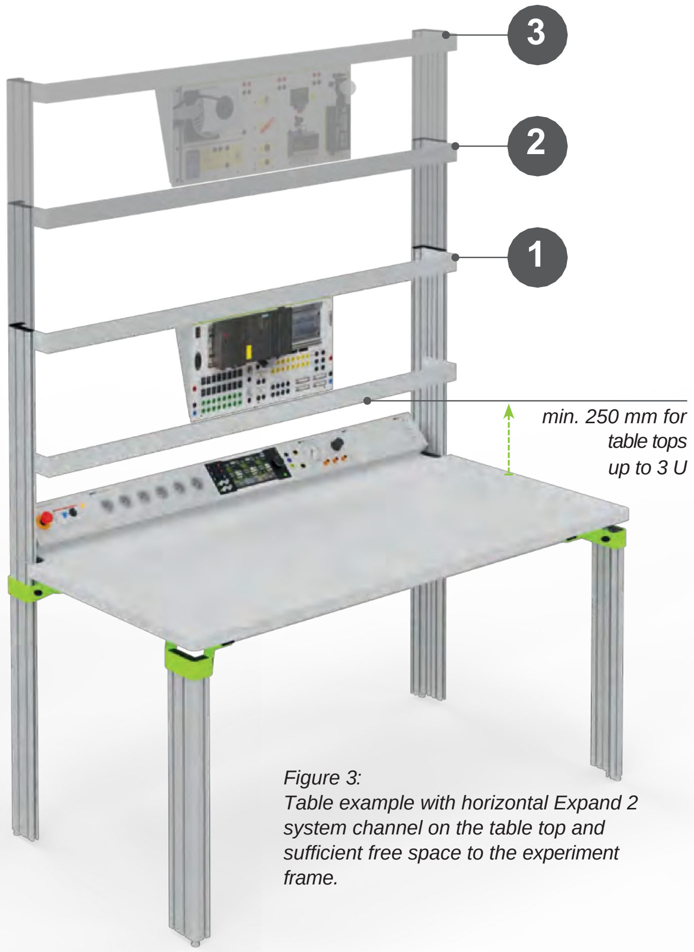


*Figure 3:
Table example with horizontal Expand 2 system channel on the table top and sufficient free space to the experiment frame.*

The following applies to tables with table superstructures up to 3 U:

① Experimental frame 1 - row
Profile height: 1,450 mm

② Experimental frame 2 - row
Profile height: 1,750 mm

③ Experimental frame 3 - rows
Profile height: 2,100 mm

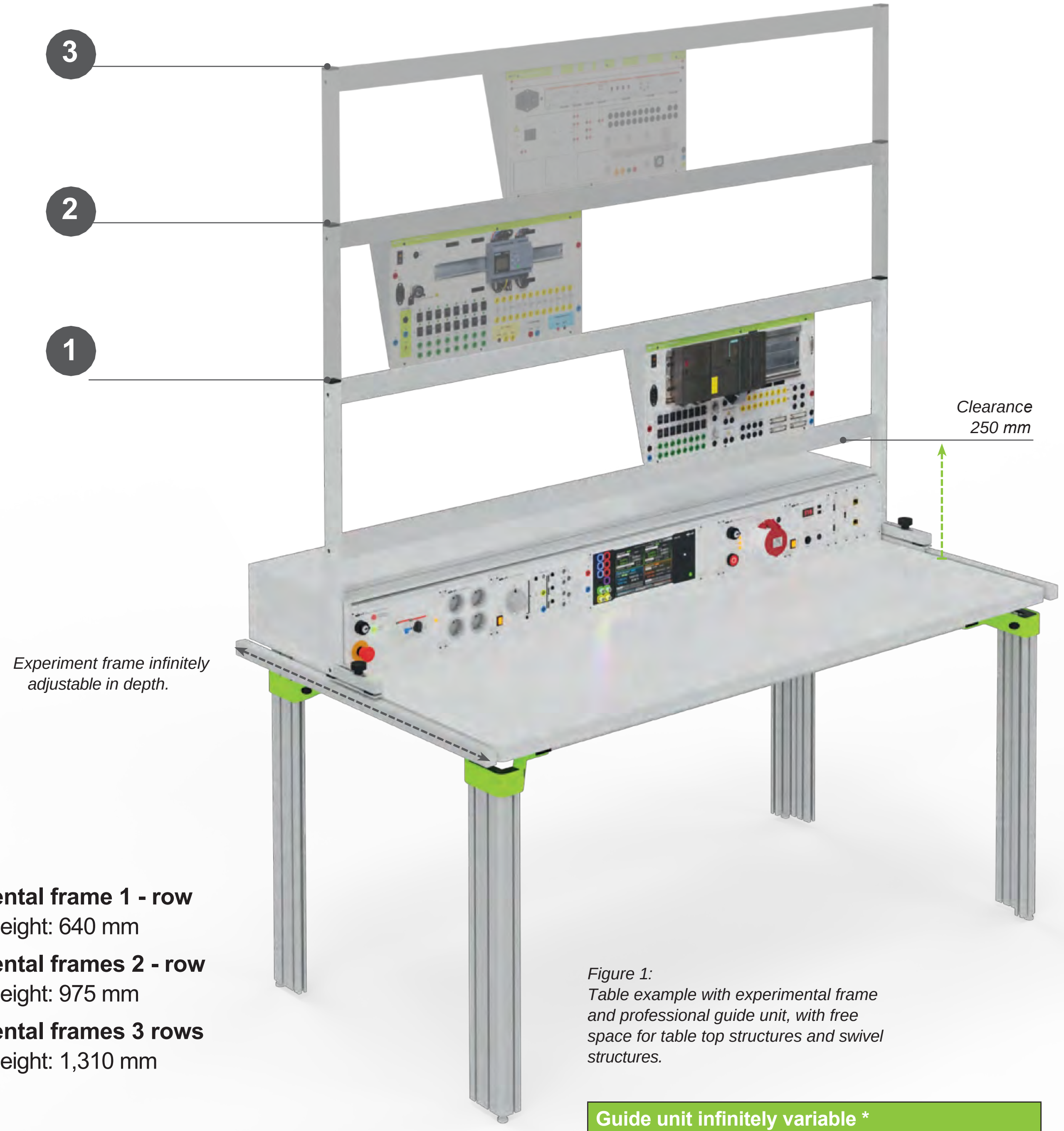
Order note

The profile heights (Fig. 3) apply to tables with 3 U-Table superstructures, Expand 2 horizontal system channels and tables with swivel superstructures.
For 6 U table superstructures, the rear leg profiles of the table are extended by + 100 mm.

Experimental frame DIN A4 between two aluminum base profiles

	for L-profiles			for Expand 2 profiles		
Table length	**1-row**	**2-row**	**3-row**	**1-row**	**2-row**	**3-row**
1,200 mm	ELC7.1.1200.1.A	ELC7.1.1200.2.A	ELC7.1.1200.3.A	ELC7.1.1200.1.B	ELC7.1.1200.2.B	ELC7.1.1200.3.B
1,600 mm	ELC7.1.1600.1.A	ELC7.1.1600.2.A	ELC7.1.1600.3.A	ELC7.1.1600.1.B	ELC7.1.1600.2.B	ELC7.1.1600.3.B
1,800 mm	ELC7.1.1800.1.A	ELC7.1.1800.2.A	ELC7.1.1800.3.A	ELC7.1.1800.1.B	ELC7.1.1800.2.B	ELC7.1.1800.3.B
2,000 mm	ELC7.1.2000.1.A	ELC7.1.2000.2.A	ELC7.1.2000.3.A	ELC7.1.2000.1.B	ELC7.1.2000.2.B	ELC7.1.2000.3.B

Experiment frame movable



① **Experimental frame 1 - row**
Installation height: 640 mm

② **Experimental frames 2 - row**
Installation height: 975 mm

③ **Experimental frames 3 rows**
Installation height: 1,310 mm

Figure 1:
Table example with experimental frame and professional guide unit, with free space for table top structures and swivel structures.

Experimental frame DIN A4 with infinitely variable, movable guide unit

H-profiles 50 mm high with integrated brush between two vertical steel profiles.
The experiment frame can be moved continuously in depth and is fixed in place with knurled screws. The guide unit consists of
consisting of two guide rails incl. guide carriage (high-quality ball bearing guide).

The guide unit must be ordered separately for each table!

Guide unit infinitely variable *	
Table depth	
850 mm	ELC7.4.085
1,000 mm	ELC7.4.100
1,150 mm	ELC7.4.120

Experiment frame DIN A4 movable			
Table length	**1-row**	**2-row**	**3-row**
1,200 mm	ELC7.4.1200.1	ELC7.4.1200.2	ELC7.4.1200.3
1,600 mm	ELC7.4.1600.1	ELC7.4.1600.2	ELC7.4.1600.3
1,800 mm	ELC7.4.1800.1	ELC7.4.1800.2	ELC7.4.1800.3
2,000 mm	ELC7.4.2000.1	ELC7.4.2000.2	ELC7.4.2000.3

* Note: The guide unit extends the table width by 70 mm in each case!

Experiment frame can be swiveled / moved

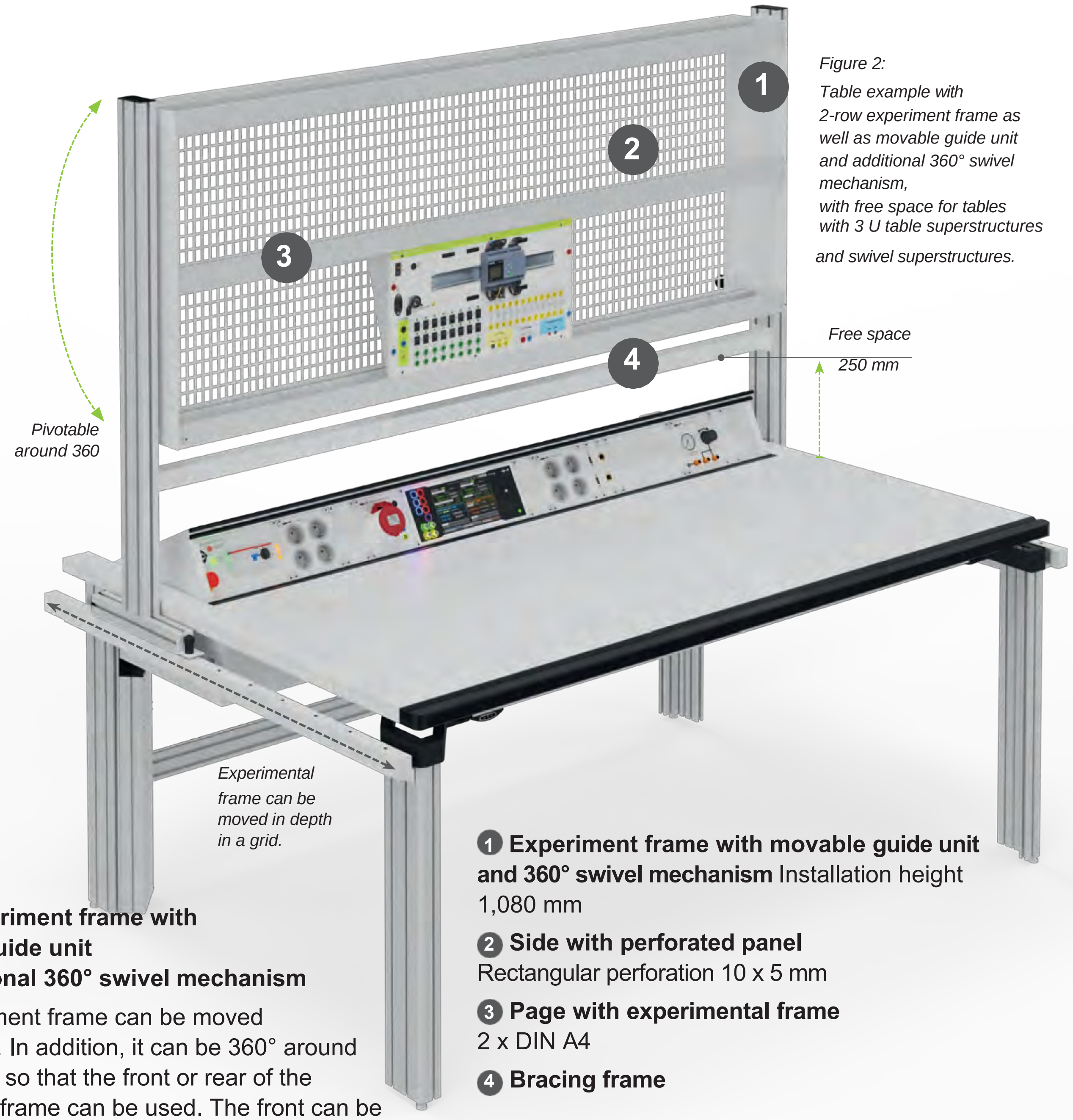


Figure 2:
Table example with 2-row experiment frame as well as movable guide unit and additional 360° swivel mechanism,
with free space for tables with 3 U table superstructures
and swivel superstructures.

2-row experiment frame with movable guide unit and additional 360° swivel mechanism

The experiment frame can be moved horizontally. In addition, it can be 360° around its own axis so that the front or rear of the experiment frame can be used. The front can be equipped with DIN A4 teaching aids, for example, while the rear can be equipped with a perforated grid for wiring work. This allows different laboratory experiments to be called up in a matter of seconds without any set-up time.

Both the ergonomically optimal working position and the desired side of the frame can be easily and safely by one person in a very short time using quick-release fasteners. High-quality quick-release fasteners guarantee secure release and locking of the desired positions.

① **Experiment frame with movable guide unit and 360° swivel mechanism** Installation height 1,080 mm

② **Side with perforated panel**
Rectangular perforation 10 x 5 mm

③ **Page with experimental frame**
2 x DIN A4

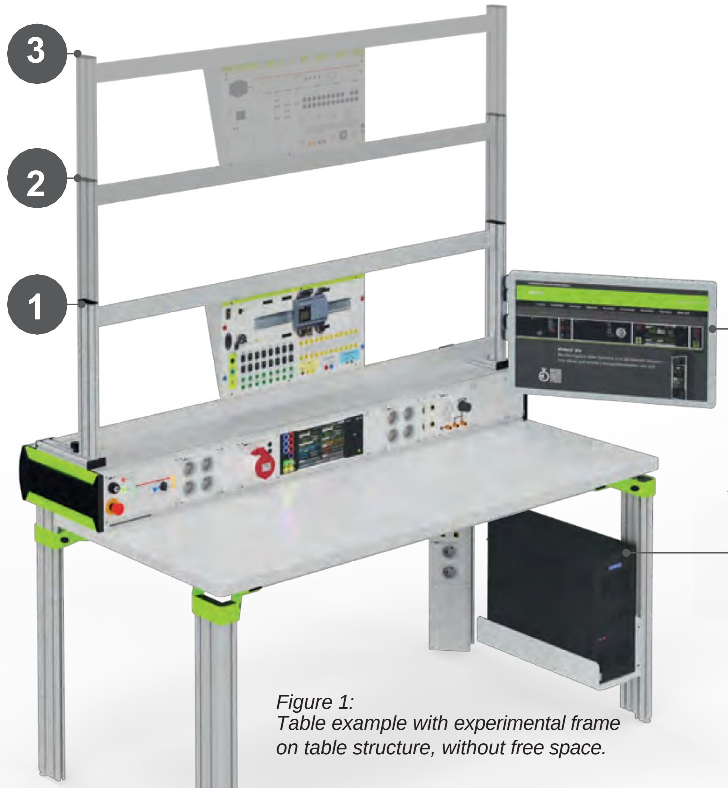
④ **Bracing frame**

Guide unit can be moved in a grid *	
Table depth	
850 mm	ELC7.5.085
1,000 mm	ELC7.5.100
1,150 mm	ELC7.5.120

Experimental frame DIN A4 pivotable / movable	
Table length	**2-row**
1,200 mm	ELC7.5.1200
1,600 mm	ELC7.5.1600
1,800 mm	ELC7.5.1800
2,000 mm	ELC7.5.2000

* Note: The guide unit extends the table width by 70 mm in each case!

Experimental frame on tabletop /- structure



Option: monitor swivel arm, see page 372

Option: PC holder, see page 173

Figure 1:
Table example with experimental frame on table structure, without free space.

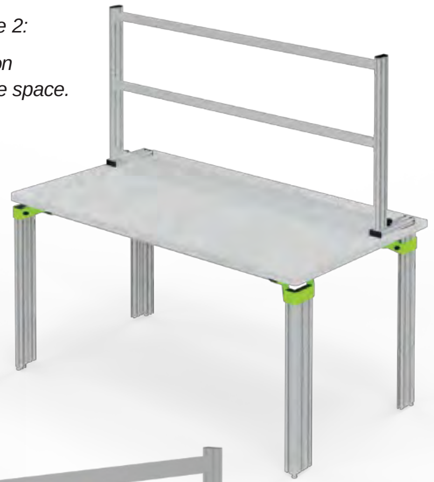
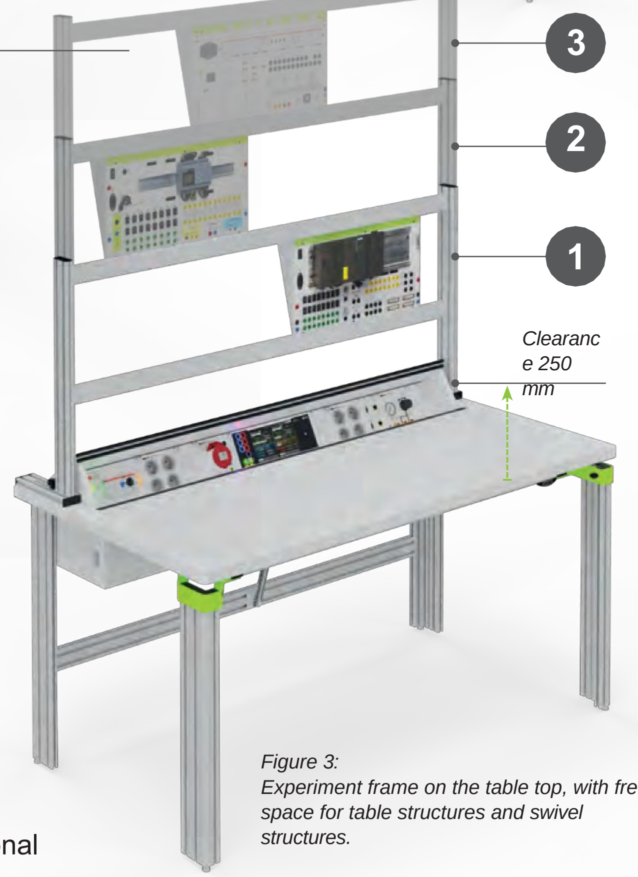


Figure 2:
Experiment frame on Table top, without free space.



Clearance 250 mm

Figure 3:
Experiment frame on the table top, with free space for table structures and swivel structures.

Experimental frame for assembly on table top and table structure, without free space

① Experimental frame 1-row
Installation height: 452 mm

② Experimental frame 2 rows
Installation height: 788 mm

③ Experimental frame 3-row,
Installation height: 1,123 mm

A4 experiment frame for mounting on table top and table structure with bracket

H-profiles 50 mm high with integrated brush, individually adjustable, between 2 vertical aluminum profiles with functional grooves for connecting further system components.

Experimental frame DIN A4 on table top / table structure		
Table length	Experimental frame with cantilever, without free space	Experimental frame with cantilever, with clearance 250 mm
1,200 mm	ELC7.2.1200.x	ELC7.3.1200.x
1,600 mm	ELC7.2.1600.x	ELC7.3.1600.x
1,800 mm	ELC7.2.1800.x	ELC7.3.1800.x
2,000 mm	ELC7.2.2000.x	ELC7.3.2000.x
Optionally with additional holes in the table top for inserting the experiment frame **Order no.:** ELC7.B		

Experiment frame for mounting on table top, with free space

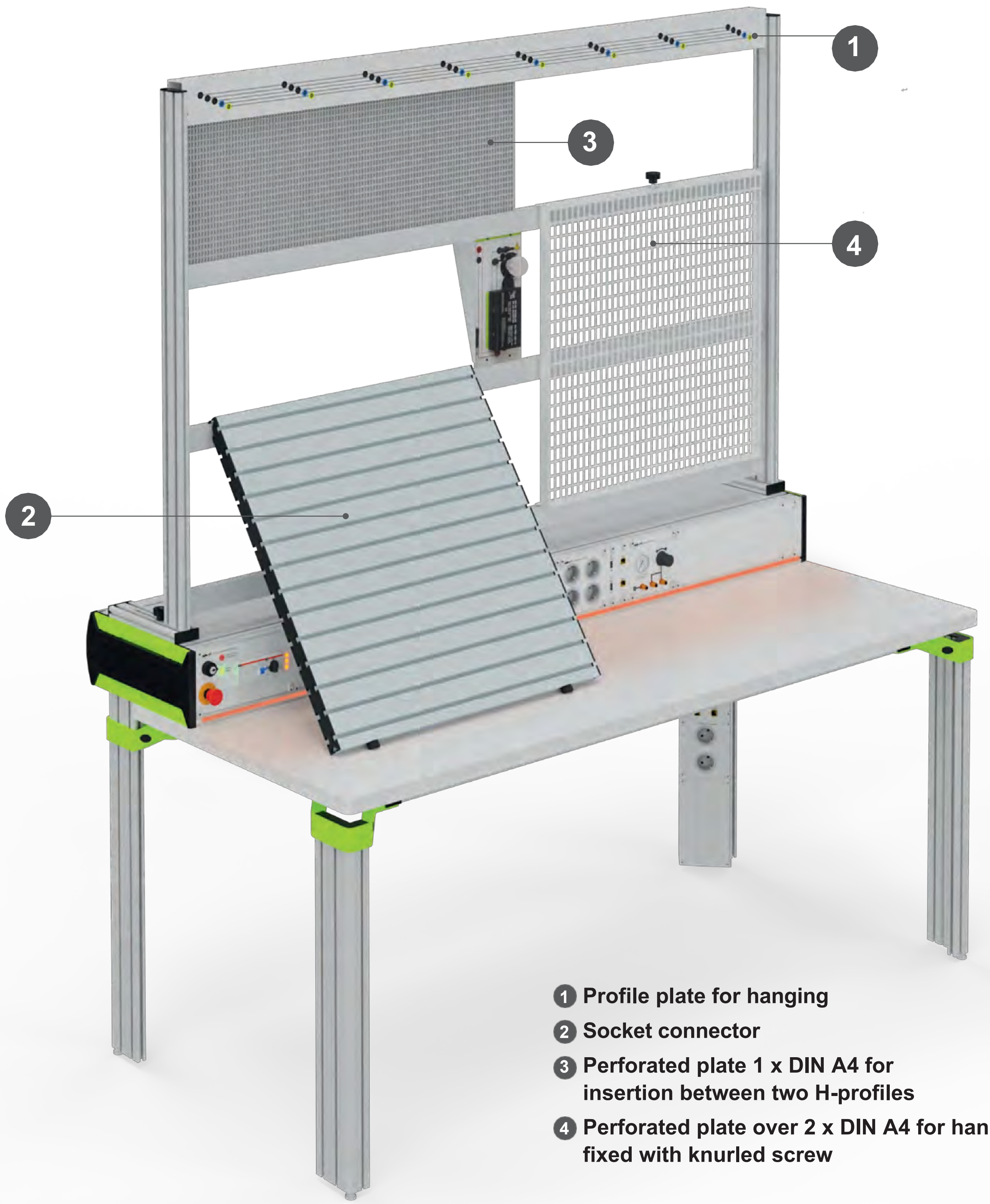
① **Experimental frame 1 row** Height: 660 mm

② **Experimental frame, 2 rows**, height: 995 mm

③ **Experimental frame, 3 rows**, height: 1,330 mm

Order note
Please replace the "x" with 1, 2 or 3! 1= 1 - reihiger, 2= 2 - row, 3= 3 - row experimental frame

Accessories for experimental frame



① **Profile plate for hanging**
② **Socket connector**
③ **Perforated plate 1 x DIN A4 for insertion between two H-profiles**
④ **Perforated plate over 2 x DIN A4 for hanging, fixed with knurled screw**

Accessories for experimental frames

There are numerous accessories for experimental frames. Profile plates, perforated plates or blockboards for hanging. A socket strip with 5 rows of 4 mm-Safety laboratory sockets, L1, L2, L3, N and PE or perforated plates for plugging in. The individual items are explained on the following page.

Accessories for experimental frames

① Socket strip for experimental frame

5 rows with 4 mm safety laboratory sockets, L1, L2, L3, N and PE. Completely pre-wired. Can be used for clear wiring of the experiments set up or as a supply strip.
Size (D x H) 50 x 90 mm

Socket strip for experimental frame

Table length	Number of sockets / row	Order no.
1,200 mm	5	ELC.Z4.1200
1,600 mm	7	ELC.Z4.1600
1,800 mm	8	ELC.Z4.1800
2,000 mm	9	ELC.Z4.2000

② Profile panels

Aluminium profile panel with 50 mm grid dimension, anodized. Grooves on the front and rear for use on both sides. Suspension for vertical or angled use.

A metal rod with suspension adapter for vertical and angled use of the profile top is used for suspension. In the inclined position, the panel rests on the table. In the vertical

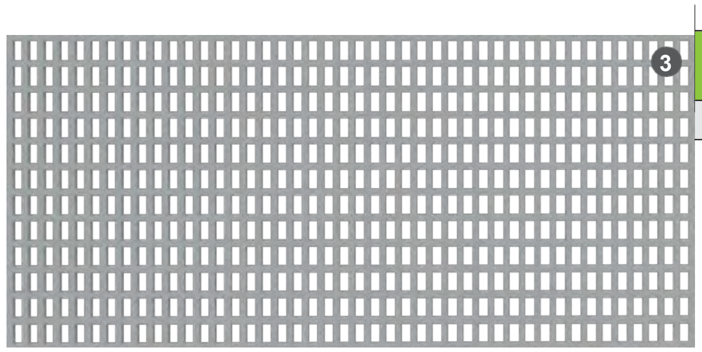
In the lower position, the profile plate is held at the bottom by a pivoting support on the system girder.

2 rubber feet are used to support the table in an inclined position, 4 further rubber feet are attached so that the profile top can also lie flat on the table.

Size (W x H): 700 x 700 mm.

Profile plate

Execution	Size	Order no.
to hang up	700 x 700 mm	ELC.Z5.H
for clamping between table top and ER frame	700 x 700 mm	ELC.Z5.K
between the foot profiles as a rail	approx. 1470 x 150 mm	ELC.Z5.S



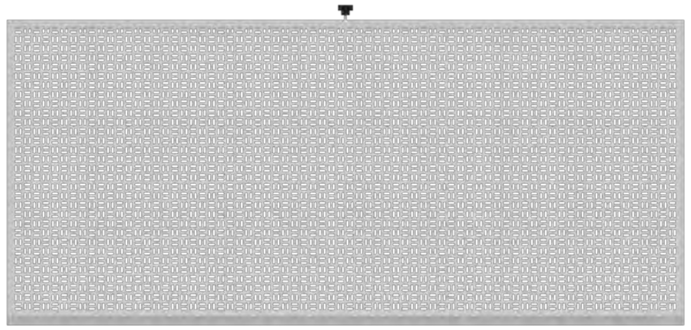
③ A4 perforated sheets with rectangular perforations for inserting into 1-row experiment frames

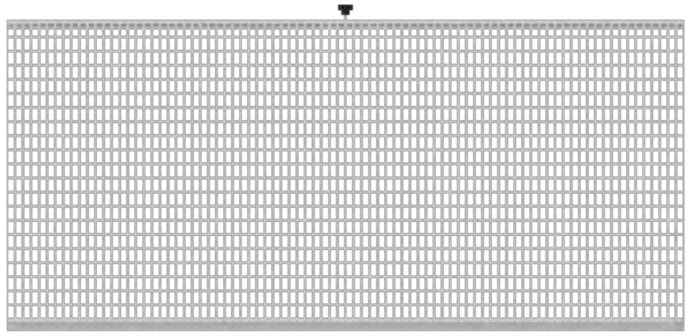
900x297 mm	ELC.Z1.A4

④ Perforated metal panels / blockboards for hanging in 2-row experiment frames

Incl. high-quality locking mechanism for fixing the perforated panel and the blockboard in the 2-row experiment frame. Secure fastening with locking knob.

The perforated sheets are available in rectangular or oval perforations.





Perforated sheets / blockboards for hanging in 2-row experiment frames

Perforated sheets / blockboards Size (2x DIN A4)	Rectangular perforation 10 x 5 mm	Oval perforation 14 x 5 mm	Blockboard
656 x 672 mm	ELC.Z1.066	ELC.Z2.066	ELC.Z3.066
856 x 672 mm	ELC.Z1.086	ELC.Z2.086	ELC.Z3.086
1,056 x 672 mm	ELC.Z1.106	ELC.Z2.106	ELC.Z3.106
1,256 x 672 mm	ELC.Z1.126	ELC.Z2.126	ELC.Z3.126
1,456 x 672 mm	ELC.Z1.146	ELC.Z2.146	ELC.Z3.146
1,656 x 672 mm	ELC.Z1.166	ELC.Z2.166	ELC.Z3.166
1,856 x 672 mm	ELC.Z1.186	ELC.Z2.186	ELC.Z3.186

Other perforated sheet sizes available on request.

Fastening set for perforated sheet walls

One set contains: 100 special plastic plugs
25 Spax screws 3.5 x 12 mm
50 Spax screws 3.5 x 20 mm
25 Spax screws 3.5 x 30 mm

Order no. for rectangular perforation: ELC.Z4.010
Order no. for oval perforation: ELC.Z4.020

Storage rack for perforated sheet walls and blockboards

Sturdy steel frame. Wooden shelves with grooves for inserting 18 walls. Top with spacers for a firm stand.
Size (W x H x D): 1436 x 880 x 860 mm

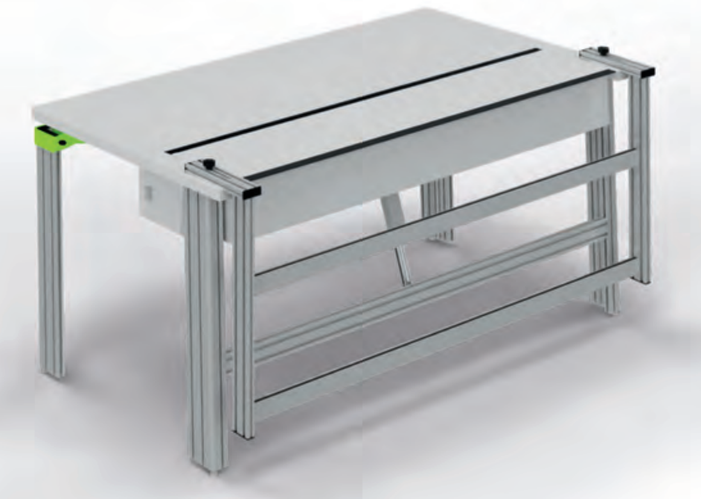
Order no.: ELC.Z5

Accessories for experimental frames

Parking position for experiment frame

The laboratory tables can be equipped with an additional parking position for experiment frames at the back of the table. For 2-row experiment frames, an extended or additional foot profile must be observed, depending on height of the experiment frame!
The experiment frames can be attached and fixed in place using knurled screws. This ensures a clear view during theory lessons.

Parking position experimental frame behind the table	
for 1-row experimental frames	ELC.Z.PP1
for 2-row experimental frames	ELC.Z.PP2



Measuring cable trolley

Technical product description:

Measuring cable trolley
Sturdy welded base frame with 4 swivel castors, Ø 75 mm, 2 of which can be locked.
Size (W x D x H): 860 x 590 x 1200 or 1500 mm There are 3 versions, each with 2 different frame heights.

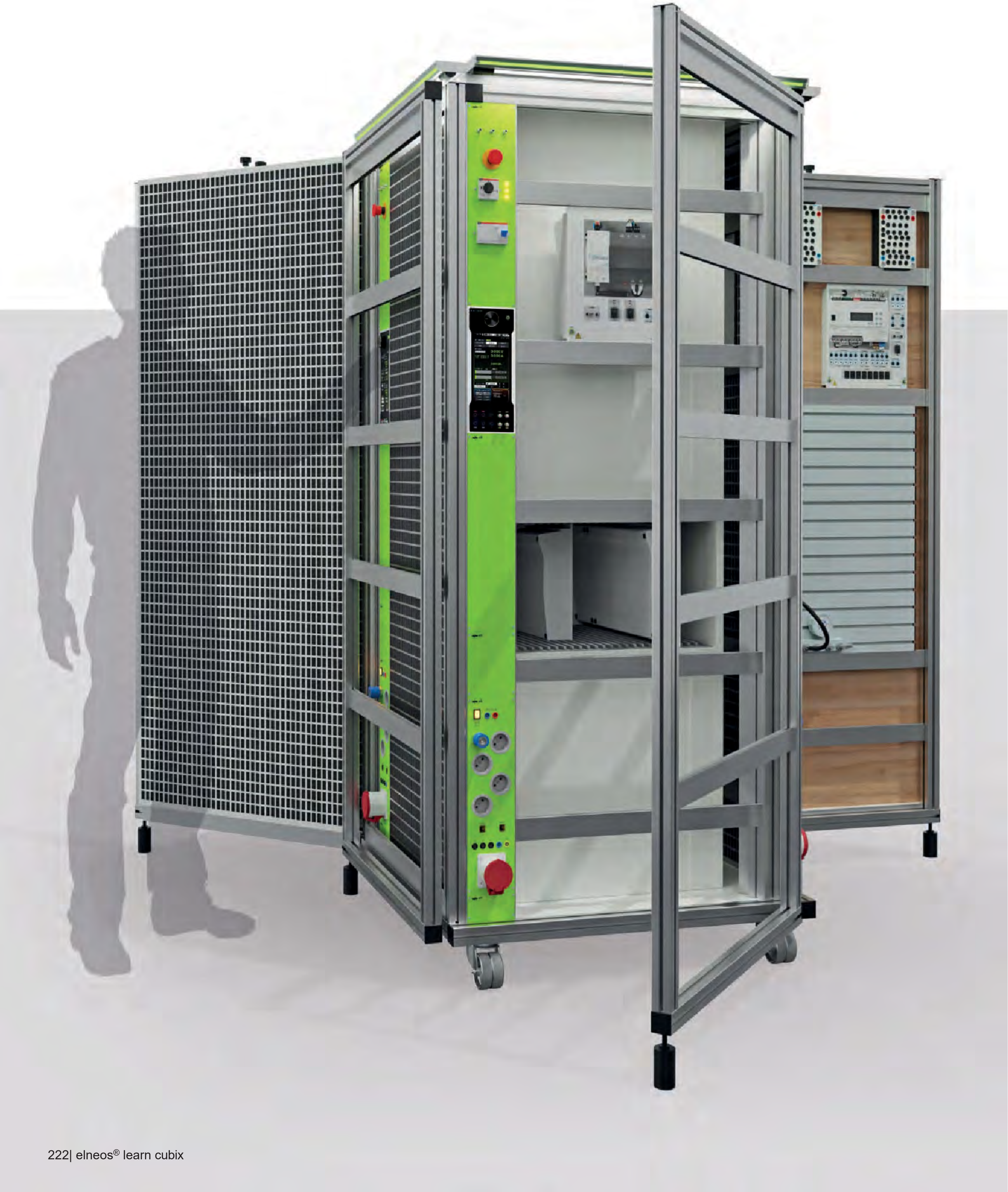
Measuring cable trolley version 1
Mounting plate with holes Ø 7.9 mm,
for holding 66 laboratory cords per side.

Measuring cable trolley version 2
Front mounting rail fitted with:
1 laboratory cord holder with 21 carrying elements, 300 mm long, 1 hose holder Mounting rail fitted at the rear with:
1 laboratory cord holder with 21 carrying elements, 300 mm long, 1 storage tray, size: 350 x 125 mm

Measuring cable trolley version 3
Mounting plate with 5 test lead holders per side. Up to 28 laboratory cords can be accommodated per test lead holder. A total of up to 280 laboratory cords per test lead trolley.

The test lead holders are available in brown and black (L1, L2, L3), yellow (PE), blue (-) and red (+) for optimum cable sorting.

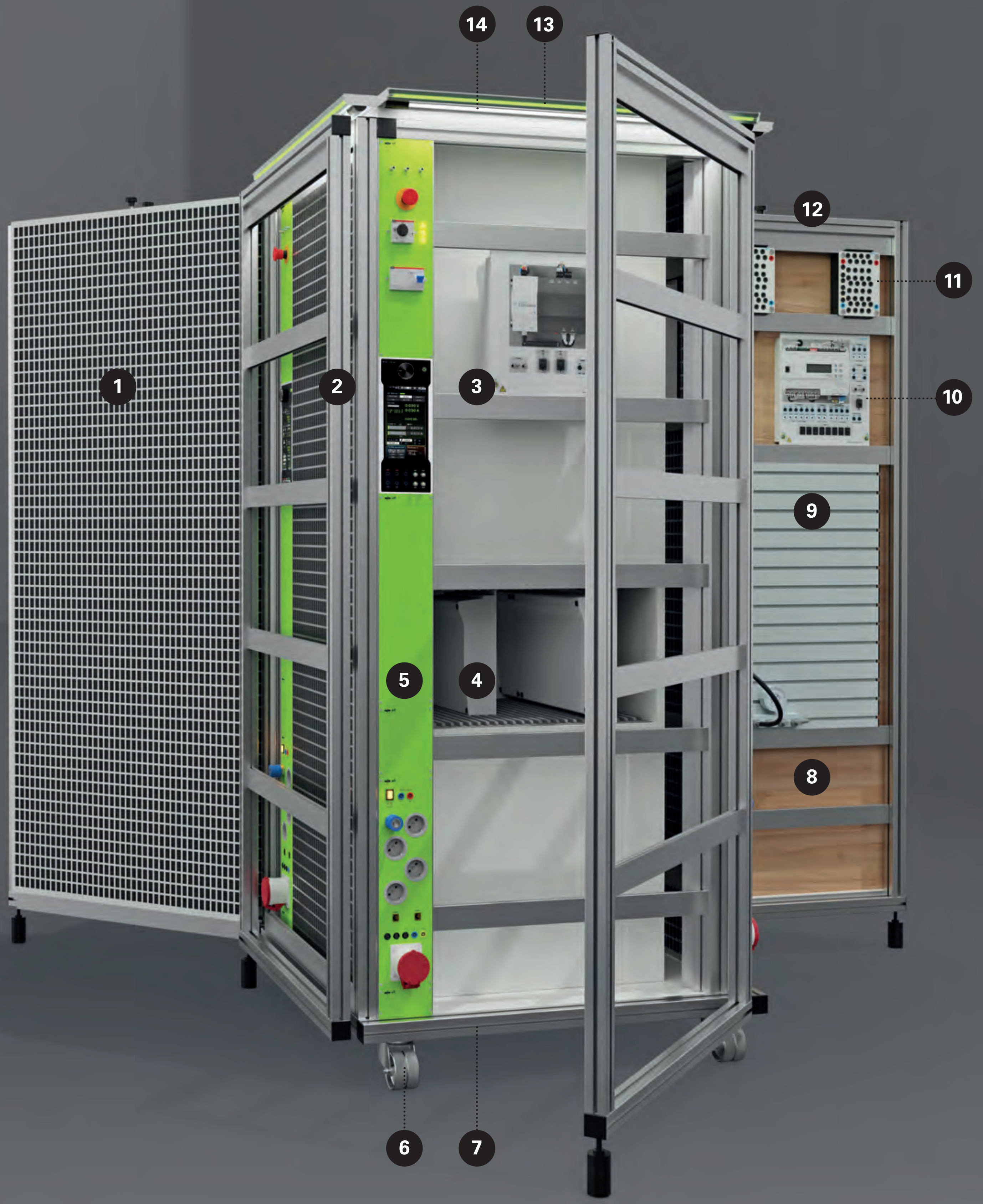
Measuring cable trolley			
Frame height	**Version 1:** Mounting plate with holes	**Version 2:** 2 laboratory cord holders, 1 hose holder, 1 shelf	**Version 3:** Mounting plate with 5 test lead holders per side
1,200 mm	ELCM.8512.1	ELCM.8512.2	ELCM.8512.3
1,500 mm	ELCM.8515.1	ELCM.8515.2	ELCM.8515.3



elneos® learn cubix

The new learning islands for practical lessons.

Structure of the learn cubix..225
learn cubix basic elements..228
learn cubix aluminum exterior doors..230
learn cubix accessories..234



Structure of the learn cubix

With the *elneos learn cubix, erfi* defines a new milestone in the field of **technical laboratory equipment**. The training device has outstanding product features and the contemporary design offers decisive advantages for users.

elneos® learn cubix learning island

1. Perforated panel for hanging
2. Internal perforated metal doors to unfold
3. Five H-rails on the inside
4. Compartment for DIN A4 teaching materials covered with grooved mats
5. power dome incl. device equipment (*elneos six compact* optional)
6. Lockable double castors
7. Sturdy frame made of 40/40 heavy-duty aluminum profiles
8. Blockboard for hanging
9. Hook-in aluminum profile plate for *Festo* pneumatic components
10. DIN A4 teaching material holder
11. *Festo Didactic SE* ER modules
12. Outer door with H-rails
13. Indication light (series)
14. Pivoting RGB LED task light (optional)

elneos® learn cubix Power-Dom (upper area) On all 4 sides with the following equipment:

- 3 POAG earthing studs
- Safety and switching unit with MS 10-16 A with US release on one side,
  NFI switch type B, 30 mA, I_{rated} 25 A,
  emergency stop button with 2nd NC contact and 3 phase indicator lamps.
- With emergency stop button on all other sides.

elneos® six compact Control center in the power dome The optional control center is used to accommodate power supply units, digital multimeters and function generators. Exemplary assembly:

- Control center, order no. EL6.1.C
- DC regulating power supply 0-32 V / 0-2 A, 64 W, order no. EL6.LDC.032.02
- Power and energy meter incl. digital multimeter, order no. EL6.P
- Function generator, order no. EL6.F

Further information in the new *elneos six* appliance series general catalog, pages 12-13, 93, 139 -157.

elneos® learn cubix Power-Dom (lower section)

- Fixed voltage source DC fixed voltage 24 V / max. 3 A
- Compressed air outlet, make *Festo* with inlet pressure = outlet pressure with max. 16 bar, outlet 1 coupling socket DN 7.2 self-adjusting
- 4 socket outlets with earthing contact, 230 V / 16 A
- 2 RJ 45 sockets, Cat. 6, for patching
- 5 safety laboratory sockets L1, L2, L3, N, PE 400 / 230 V, max. 16 A per phase and 1 5-pin CEE socket outlet, 400 / 230 V, max. 16 A per phase

The use of the Power Dome (extruded aluminum profile) is also available with external doors in the closed state guaranteed. Mains, data and compressed air lines can be are routed separately in the power dome. The assembly with the *acto* device series (*erfi instruments* catalog from page 56) is variable on request.

Note: Power-Dom front in elneos green special equipment (RAL DESIGN 1107070), standard equipment anodized aluminum.

Training with elneos® learn cubix

The *elneos learn cubix* concept enables all the advantages of practical teaching in training and the learning islands offer absolute flexibility and mobility.

Land use
- Optimum use of space thanks to fully utilized installation height and no loss of installation space due to energy attachments.

Vertical power dome
- A comprehensive power dome with equipment is available for each side. This includes a safety device, earthing bolt, 24 V DC supply, compressed air connection, 4 protective contact sockets, 5 safety laboratory sockets and 1 CEE socket, 2 x RJ 45 sockets as well as a reserve for further equipment.

Handling
- Perfect and easy handling thanks to weight-optimized overall aluminium construction (no steel construction).

Perfect connection options
- Highly flexible connection of additional components such as swivel arms, cable holders and much more thanks to 40/40 aluminum profiles with functional grooves.

Intelligent organization system
- Integrated A4 teaching material compartment on each side for storing the A4 teaching boards.

High security
- Indication light for displaying the different statuses in different color coding.

Flexibility
- Flexible expansion thanks to five different freely selectable door variants on each side.
- Free function due to easily movable H-profiles for use with DIN A4 teaching panels, ER modules from *Festo Didactic SE*, aluminum profile plates for *Festo* pneumatic components.
- The doors can be fitted with either perforated metal grilles or blockboards.
- The basic model can also be used without external doors.
- Even when closed, all functional elements are always accessible.
- The internal perforated metal panel can also be opened to allow further applications.

Safe stand
- High-quality double castors with locking function.
- Sturdy door construction with support from additional pedestal elements.

Lighting concept
- Flush-mounted integrated RGB LED workstation light (optional) with sensor control.

Intelligent and remote controllable
- Can be integrated into *highlink Power* room planning software, allowing voltage levels and devices to be controlled remotely.
- Can also be ideally combined with the *Festo Didactic SE* software packages.

learn cubix basic elements

The *elneos learn cubix* is a highly flexible solution for modern practical teaching and can be used immediately at any location. The modern aluminum construction has significantly reduced the weight, making it easy to handle.

Situational utilization concept

Flexible and mobile use is the strength of the new learning islands. Up to two people can work on each side, with different configurations. In addition, the power dome can also be fully used when the outer doors are closed.

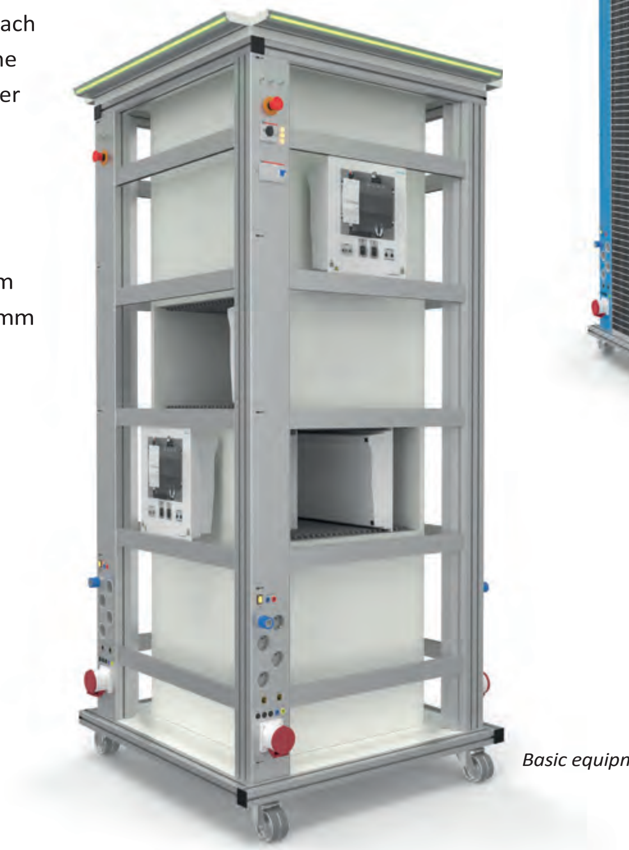
Sizes

Without outer doors: 910 x 910 x 1990 mm
With outer doors: approx. 970 x 970 x 1990 mm
Outer doors open: approx. 2510 x 2510 x 1990 mm

Basic equipment

- Mobile body made of 40/40 aluminum profiles
- 4 lockable double castors with total brakes for immovable positioning
- 4 workstations (pages) for 1 to 2 pupils each

*Basic equipment with perforated sheet metal doors inside**



Basic equipment

Note: The *elneos learn cubix* can be integrated into the *highlink Power* room control software (see from page 178).

13).
The learning island can also be supplied without an interior cabinet and without a power dome.

Equipment per page

- 1 compartment fitted with grooved mats for A4 teaching aids (size W x H x D approx. 530 x 302 x 550 mm)
- 5 adjustable H-rails for holding teaching aids such as DIN A4 boards, *Festo Didactic SE* ER components or aluminum profile plates for *Festo* pneumatic components.
- 1 equipped power dome with insert plates (see page 225) standard. Anodized aluminium, *elneos six compact* optional. Including 2 switches, 1 x for the house network and 1 x for the erfi laboratory network.
- Indication light with status display (standard)

Options

- Pivoting RGB LED task light, integrated flush into the Toplight profile
- 4 internal, hinged perforated metal doors, 10 x 5 mm perforation
- 4 hinged outer doors in various designs, depending on the training group (H-rails, perforated plate, blockboard, etc.).
  Can be locked at 90° and 135° angles, can be used on both sides. All doors with earthing socket on both sides.

---

* Power dome front in optional blue.

Indication light and optional task light

The indication light (in the basic version) and the swivel-mounted RGB LED work light (optional) are integrated flush into the Toplight aluminum profile. The Toplight aluminum profile also acts as impact protection.

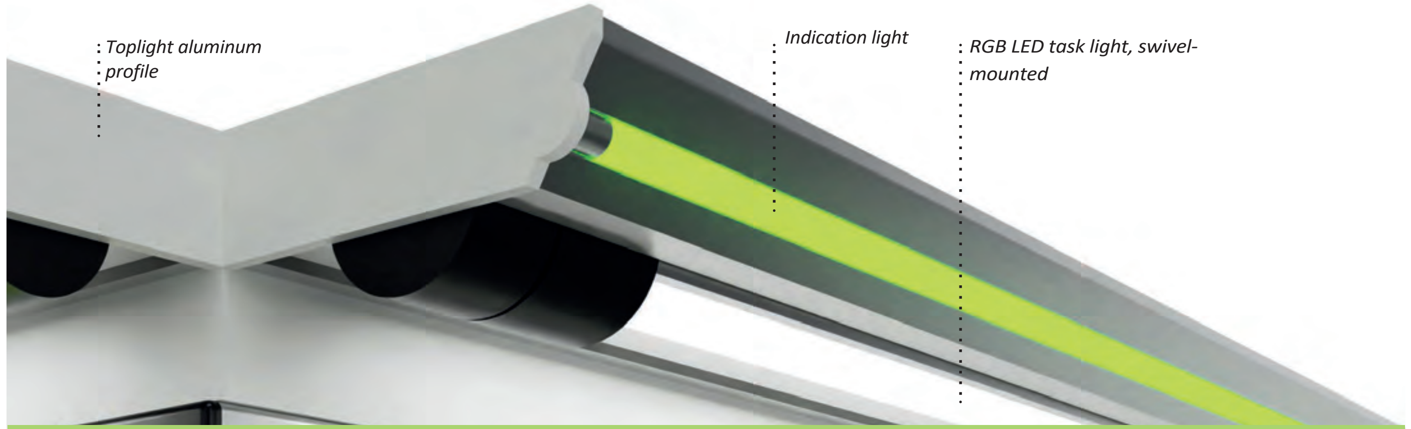
Indication light (basic equipment)

The indication light is used for signal indication. Flowing color transitions and flashing functions indicate different states. This signaling is particularly important in training. Exemplary switching states:

green= Low voltage
yellow= Low and extra-low voltage 230 V
red = Low and extra-low voltage 230 V / 400 V

RGB LED workstation lighting (optional)

- High-performance RGB LEDs and white premium LEDs
- Contactless sensors for dimming and light color
- Integrated flush in the Toplight profile
- Pivotable and no additional installation height
- colorfast, color rendering RA> 85 %
- Glare-free, reflection-free and shadow-free working
- Light color 4500 K
- Beam angle 120°



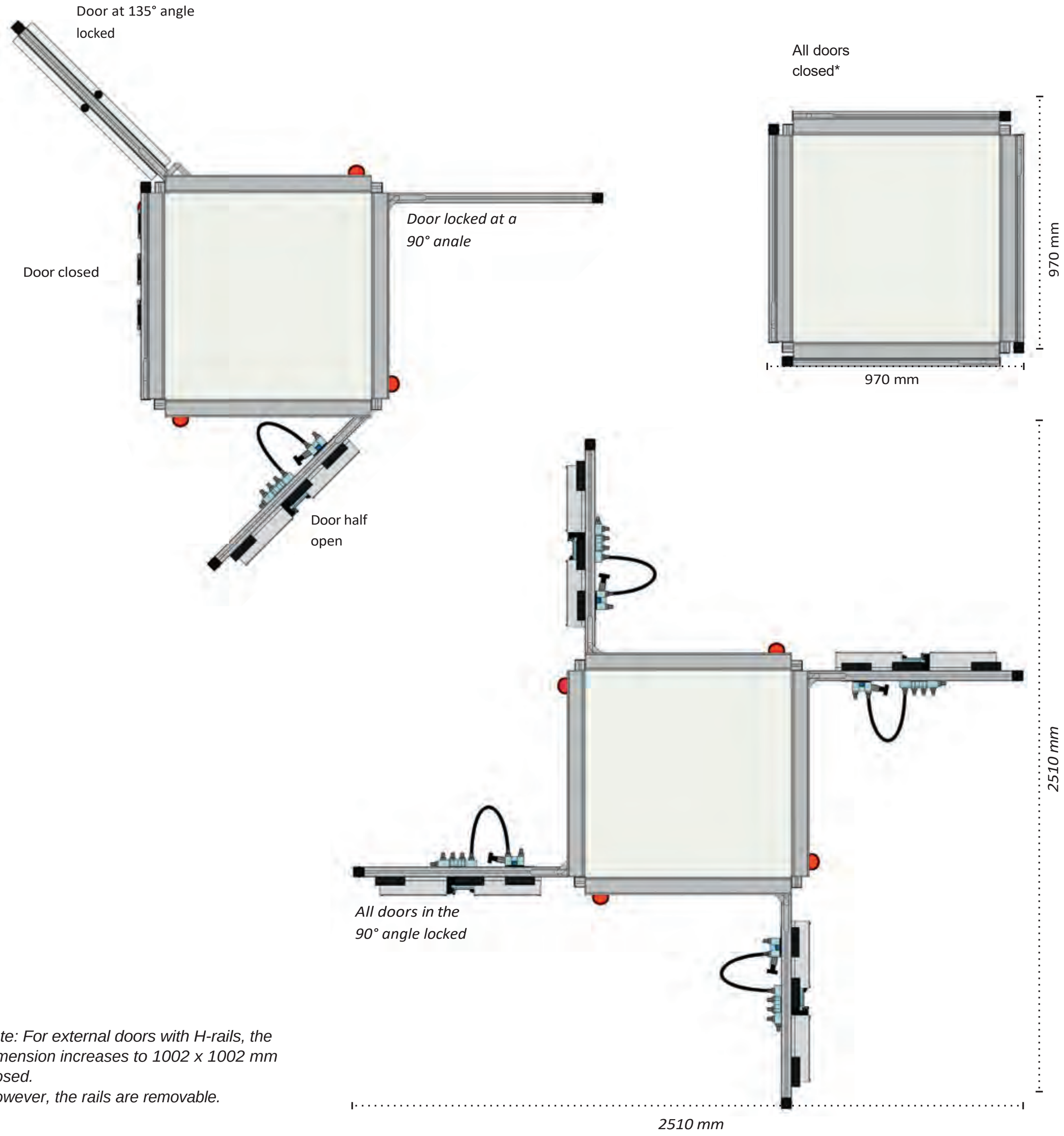
elneos® learn cubix - Basic elements

Basic equipment	**Size (WxDxH) mm**	**Order no.**
elneos learn cubix basic equipment, including 2 switches: Switch 1 house network, Switch 2 erfi laboratory network for remote control (1 RJ 45 connection on all 4 sides for each network)	910 x 910 x 1990	ELCLC.B1
Mains connection top		ELCLC.NAO
Mains connection at the bottom		ELCLC.NAU
Special equipment	**Size (WxDxH) mm**	**Order no.**
Special equipment Power dome front in elneos green, (RAL DESIGN 1107070)		ELCLC.AG
Special equipment Power Dome front in blue, (NCS color system S 1565-B)		ELCLC.AB
4 RGB LED workstation lights, swivel-mounted	over entire width	ELCLC.APL
4 perforated sheet metal doors on the inside, rectangular perforations 10 x 5 mm	580 x 10 x 1765	ELCLC.IT1
Energy attachment as an alternative to the power dome with identical equipment	770 x 770 x 183 (3 U)	ELCLC.EA

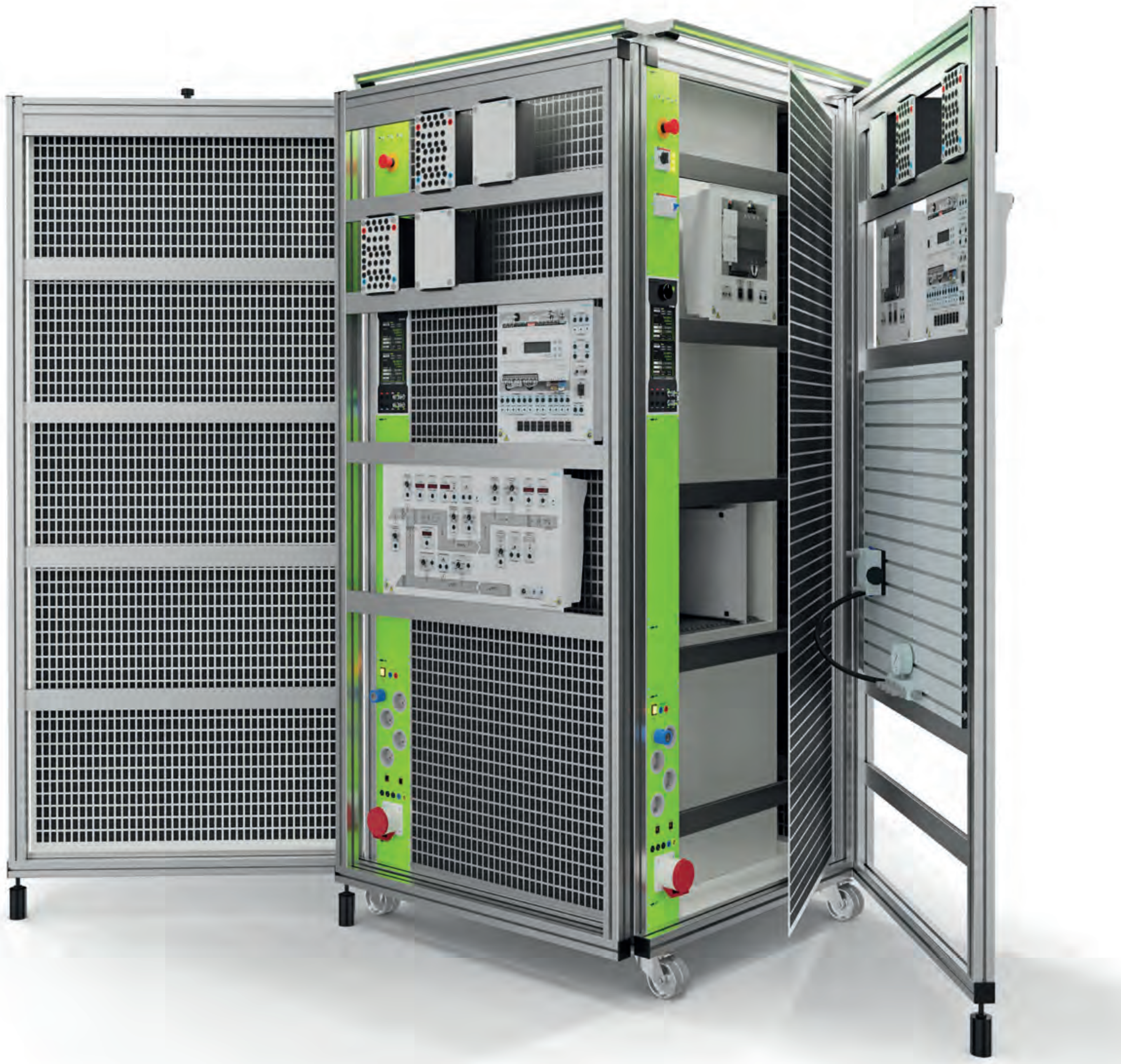
Note: Power dome front in other colors on request All perforated sheet metal walls are galvanized.

learn cubix aluminum exterior doors

The external doors are very flexible and can be quickly adapted to the respective teaching requirements. All doors can be locked at 90° and 135° angles and can be used on one or both sides. When opened, the learning island offers four workstations for 1 to 2 people each. The doors are available in different versions depending on the training area.


Door at 135° angle locked
Door locked at a 90° anale
Door closed
Door half open
All doors closed*
970 mm
970 mm
All doors in the 90° angle locked
2510 mm
2510 mm

* Note: For external doors with H-rails, the dimension increases to 1002 x 1002 mm closed.
However, the rails are removable.



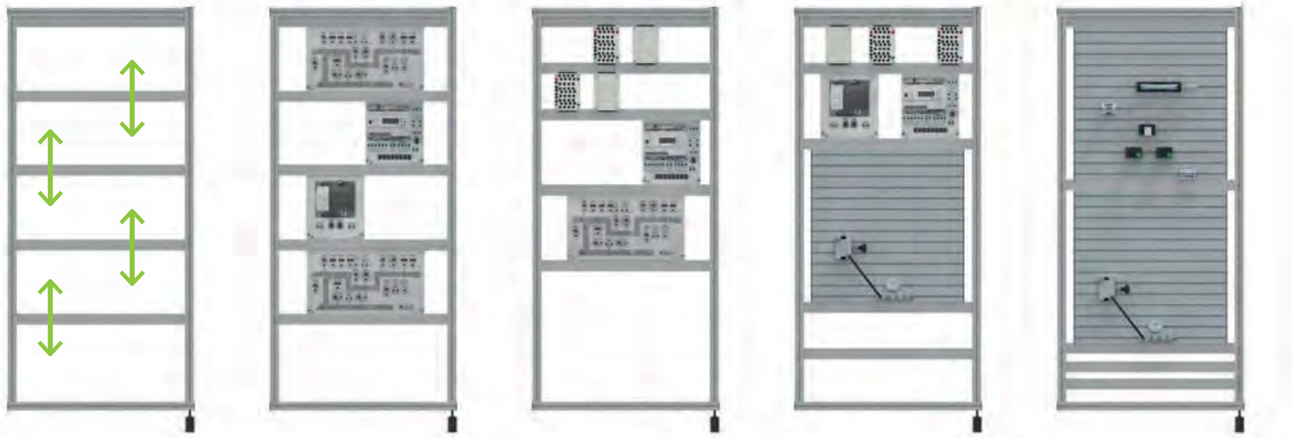
Equipment example with doors

The *elneos learn cubix* shown here has the basic equipment with internal perforated metal doors, LED light and external doors with 5 H-rails. The front of the power dome shows a special finish in elneos green (RAL DESIGN 1107070).

The aluminium surface is anodized as standard. The *elneos six compact* control center was installed here as an option.
Further information on the new *elneos six* appliance series can be found in the *elneos six* general catalog on pages 12-13, 93 and 139 - 157.

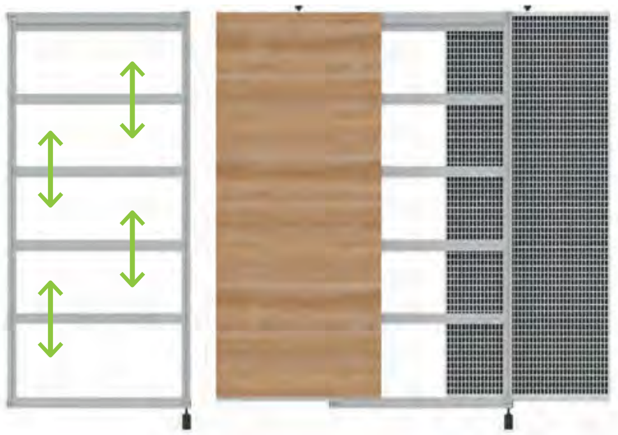
learn cubix aluminum exterior doors

The outer doors of the learning islands can be fitted in different ways. Depending on the design, you can use the different sizes of learning aids and combine them with the accessories.



Exterior doors version 1

4 outer doors with 5 H-rails, intermediate, adjustable. This door is very flexible and can be used to hold DIN A4 teaching aids, *Festo Didactic SE* ER modules and aluminum profile plates for *Festo* pneumatic components.
Order no. ELCLC.AT1

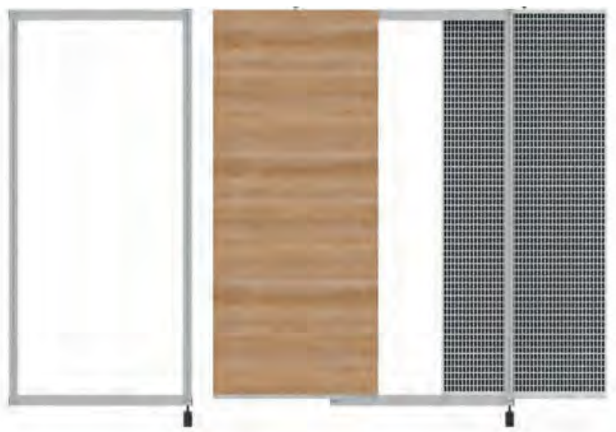


Exterior doors version 2 (combination of 1 & 4)

4 outer doors with 5 H-rails, intermediate, adjustable and with 2 additional H-rails at the top and bottom on one side for hanging perforated sheets or blockboards. **Order no. ELCLC.AT2**

Exterior doors version 3 (combination of 1 & 5)

4 outer doors with 5 H-rails, intermediate, adjustable and on both sides with 2 further H-rails each at the top and bottom for hanging perforated sheets or blockboards. **Order no. ELCLC.AT3**



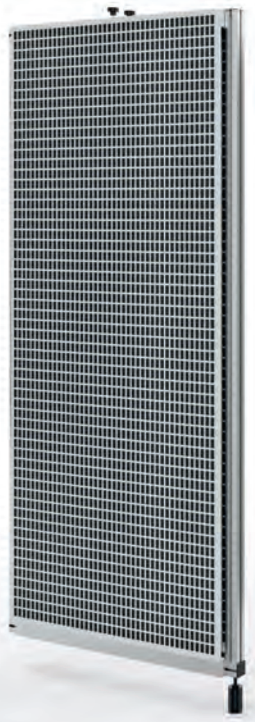
Exterior doors version 4

4 external doors with 2 H-rails on one side at the top and at the bottom for hanging perforated sheets or blockboards.
Order no. ELCLC.AT4

Exterior doors version 5

4 outer doors with 2 H-rails at the top and bottom on both sides for hanging perforated sheets or blockboards. **Order no. ELCLC.AT5**

Outer door with 5 H-rails for holding e.g. Festo Didactic SE ER components, DIN A4 teaching aids and an aluminum profile plate for Festo pneumatic components



Outer door with perforated plate, rectangular perforation

Outer door with perforated plate, oval perforation

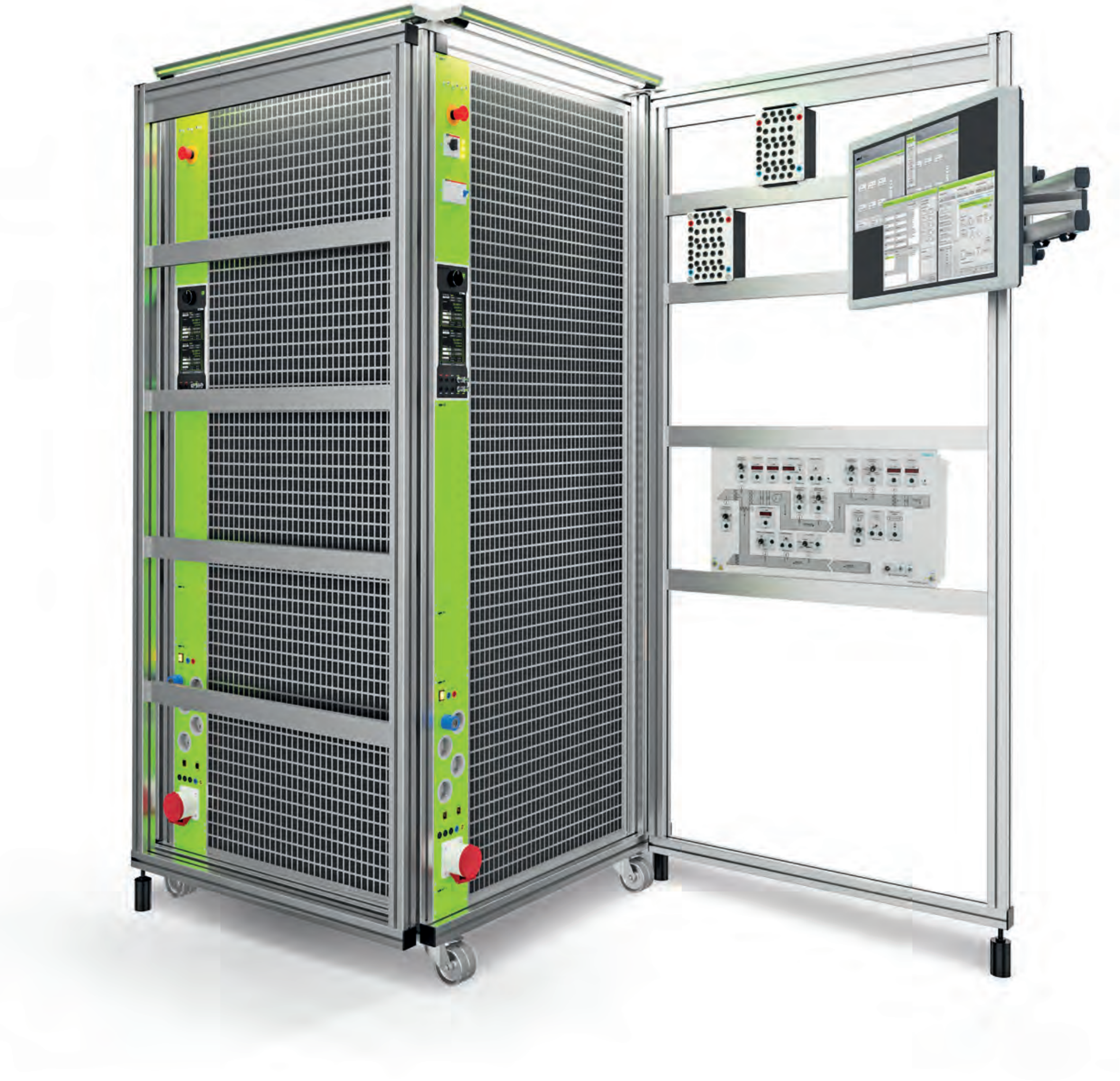
Exterior door with blockboard

H-rail on both sides
H-rail one-sided

elneos® learn cubix - aluminum exterior doors (optional)		
Version 1	**Size (WxDxH) mm**	**Order no.**
4 outer doors with 5 H-rails, adjustable	810 x 40 x 1945	ELCLC.AT1
Version 2		
4 outer doors with 5 H-rails, adjustable and with 2 additional H-rails at the top and bottom on one side for hanging perforated sheets/joiner panels	810 x 56 x 1945	ELCLC.AT2
Execution 3		
4 outer doors with 5 H-rails, adjustable and with 2 additional H-rails at the top and bottom on both sides for hanging perforated panels/carpentry boards	810 x 72 x 1945	ELCLC.AT3
Execution 4		
4 outer doors with 2 H-rails on one side at the top and bottom for hanging perforated sheets/joiner panels	810 x 56 x 1945	ELCLC.AT4
Version 5		
4 outer doors with 2 H-rails on both sides at the top and bottom for hanging perforated sheets/joiner panels	810 x 72 x 1945	ELCLC.AT5

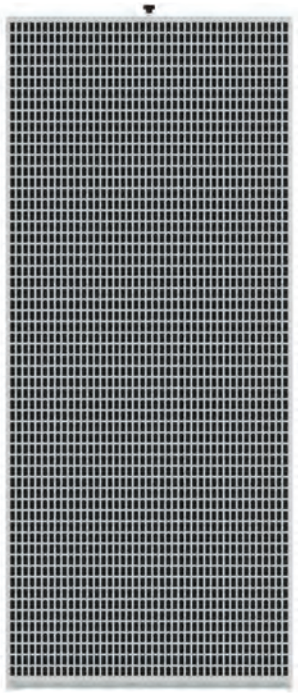
learn cubix accessories

Choose the wall version of the learning islands as required. The accessories can be easily integrated into the door frames.

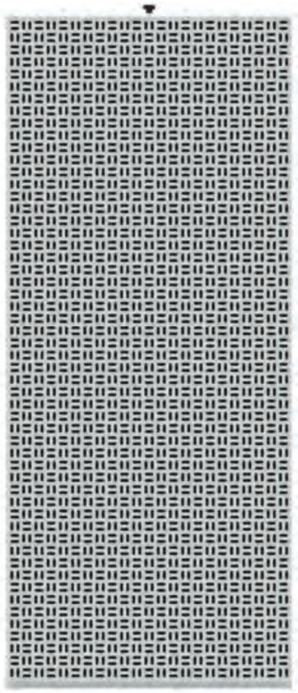


Monitor swivel arm

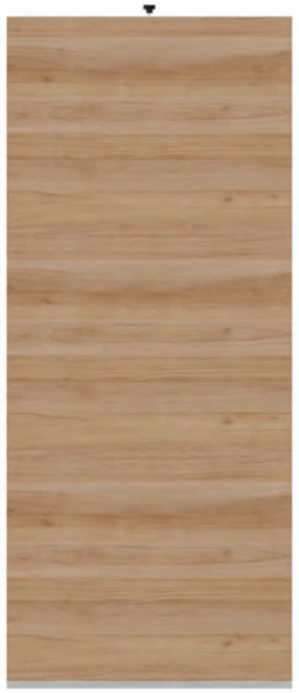
Tablet holder



Perforated plate rectangular perforation



Perforated plate oval perforation



Wood blockboard

Aluminum profile plate,
Can be used on both sides 700 x 700 mm.
Suitable for mounting Festo pneumatic components.

Joiner's square,
250 mm (Fig. similar)

elneos® learn cubix - Accessories		
Wall version	**Size (WxDxH) mm**	**Order no.**
1 perforated panel with rectangular perforations, 10 x 5 mm, for hanging	730 x 30 x 1800	ELCLC.Z1
1 perforated panel, oval perforation, 14 x 5 mm, for hanging	730 x 30 x 1800	ELCLC.Z2
1 blockboard for hanging	730 x 30 x 1800	ELCLC.Z3
1 aluminum profile panel 700 mm x700 mm	700 x 30 x 700	ELCLC.Z4
Add-ons		**Order no.**
1 Joiner's square	250 mm	ELCLC.Z5
Monitor swivel arm		ELCLC.Z6
Tablet holder		ELCLC.Z7
Fixing kits for perforated sheet walls	**Order no. Rectangular perforation 10 x 5 mm**	**Order no. Oval perforation 14 x 5 mm**
1 set contains: – 100 special plastic dowels – 25 Spax screws 3.5 x 12 mm – 50 Spax screws 3.5 x 20 mm – 25 Spax screws 3.5 x 30 mm	ELCLC.Z8	ELCLC.Z9

Note: Perforated sheet walls . Other perforations, selection and combination options on request.

elneos® Assembly world

fluid workflow

Assembly and testing from a single source 238
Assembly software AWM..242
Mounting bracket and accessories 247
System lights 248
Magnifying lights 250
Boom lights 251
Linkage and system lights 252
Spotlight...253
Perforated panels and accessories 254
Gripper shells, gripper containers, gripper tongues 255
Open fronted storage bins and retaining rails...256
Support arms and swivel technology 258
Swivel elements..259
Accessories for the assembly world..260
Organizational elements for the assembly world 262
Ergonomic footrests..265
Workbenches..266
Steel containers for workbenches...268
Parallel vises...270
Spannfix articulated vices 272
EMC tables / EMC workbenches...273

Assembly and testing from a single source

Software-controlled assembly workstations with the AWM assembly software [1] (Assembly Workflow Management)

1. Software-controlled ESD assembly workstation elneos® connect

Equipment highlights

- *elneos fix* transfer system with ball roller conveyor
- Electromotive height adjustment for feed table, assembly table and at the same time completely height-adjustable test components
- Ergonomically curved worktop with laser edge
- equipped with the *AWM* software [1]

2. ESD test workstation elneos® connect with VDE test system CANclass®

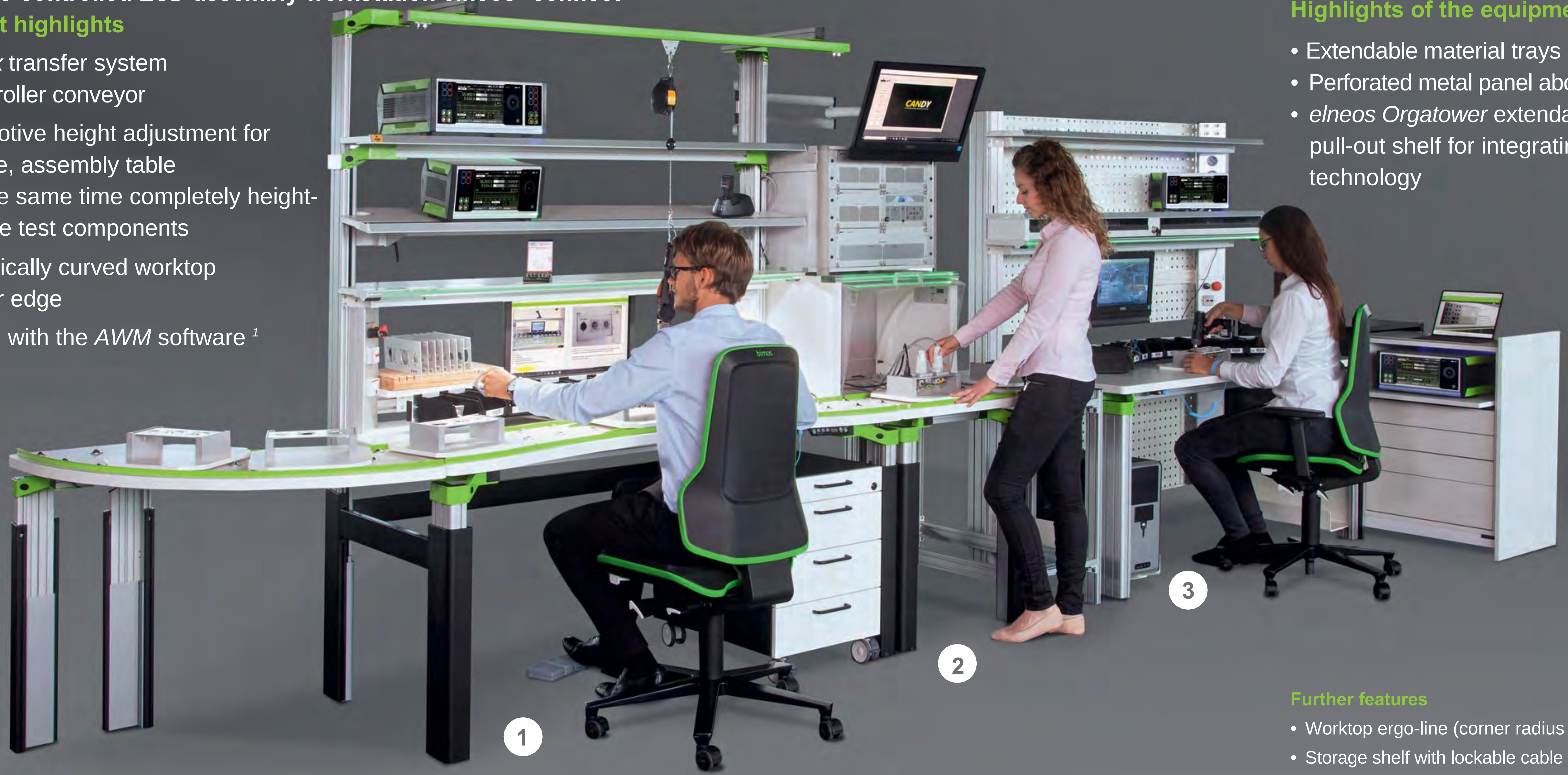
Equipment highlights

- Test cabin with *CANclass* Compact Tester for checking electrical safety and function [2] including *Candy* test software
- RGB indication light on top of test cabin for good / bad indication
- QR code scanner included

3. ESD assembly workstation elneos® connect with elneos® Orgatower

Highlights of the equipment

- Extendable material trays
- Perforated metal panel above and below the table top
- *elneos Orgatower* extendable with drawers and pull-out shelf for integrating measurement technology



Further features

- Mounting bracket with rail and trolley
- Partially tilting shelves
- Aluminum profile with screen holder and PC
- RGB LED light with BT and HCL function
- RGB indication light on the shelf
- Mobile pedestals with bow handles and Smart-Close

Further features

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Storage shelf with lockable cable drawer
- Aluminum profile with screen holder and all-in-one PC
- Integrated RGB LED light with BT and HCL function
- equipped with the *AWM*[1] software
- RGB indication light on the bottom edge of the cable drawer

---

[1] AWM - Assembly Workflow Management for flexible assembly work and paperless production

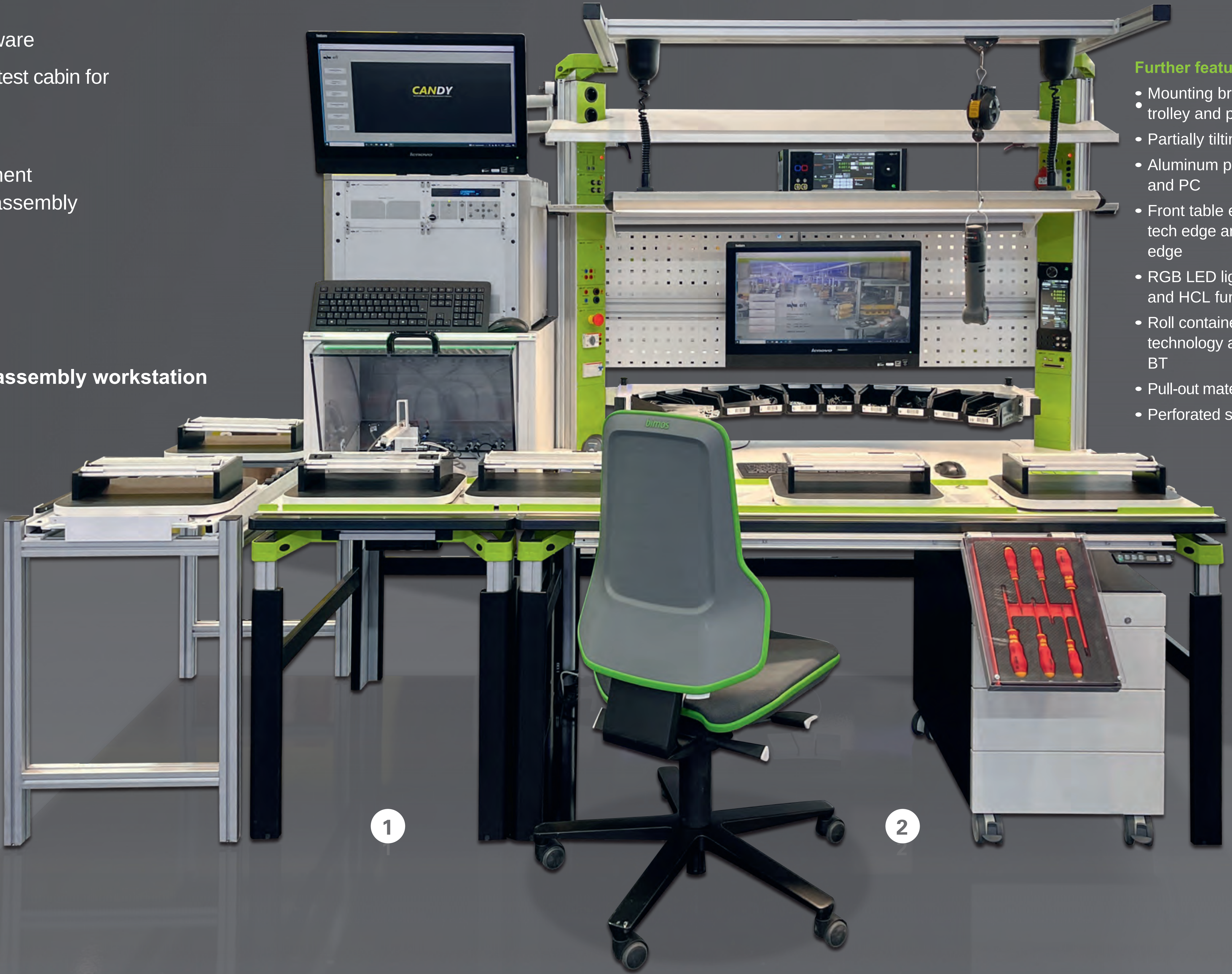
[2] High-voltage, insulation, protective conductor and leakage current testing

Assembly and testing from a single source

1. ESD test workstation elneos® connect with VDE test system CANclass®

Equipment highlights

- Test cabin with *CANclass* Compact Tester for electrical safety and function [2]
  including *Candy* testing software
- RGB indication light on top of test cabin for good / bad indication
- QR code scanner included
- Electromotive height adjustment synchronized with the ESD assembly workstation



2. Software-controlled ESD assembly workstation elneos® connect

Highlights of the equipment

- *elneos fix* transfer system with ball roller conveyor and workpiece carriers
- Electromotive height adjustment synchronized with the ESD test workstation
- equipped with the *AWM* software [1]
- Tool tray that can be moved under the tabletop at the front

Further features

- Mounting bracket with rail and trolley and pendant train light
- Partially tilting shelves
- Aluminum profile with screen holder and PC
- Front table edge with new alu-line tech edge and comprehensive laser edge
- RGB LED light with BT and HCL function
- Roll container with touch-to-open technology and smart close, locking via BT
- Pull-out material trays
- Perforated sheet wall

---

[1] AWM - Assembly Workflow Management for flexible assembly work and paperless production

[2] High-voltage, insulation, protective conductor and leakage current testing

Assembly software AWM

As a modern worker assistance solution, the *AWM* assembly software supports sequential work steps via image and video. Ideal for complex and simple production steps in the learning phase as well as for permanent quality control in the value creation process.

Flexible work plan generator

The plan generator is used for the independent creation, modification and management of work plans, including the parts list integrator in the SQL database.

- Unlimited operations for complex products
- Free formulation of questions for zero error strategy
- Free user instructions for clear, structured and mandatory workflows
- Language-independent assembly instructions enable consistent internationalization
- Freely formulated questions for worker self-checks can be freely entered in the work planner and must be answered by the worker in the sequencer with YES or NO. Images, PDFs, drawings and films can also be integrated.
- User instructions for the worker control can be freely entered in the work plan generator. These are confirmed by the worker in the sequencer. Images, PDFs, drawings and films can be integrated.

Pick and place

This feature is a graphical and image-based process. The user is informed about the respective component on the left-hand side of the screen and the material tray in which the component is located is displayed. On the right-hand side, the assembly step is explained graphically using digital photos. Written assembly instructions complete the assembly process. The parts list can be displayed in parallel.

- Component representation and assembly process representation using images, PDFs, technical drawings in various formats and movies in various formats
- Automatic start via barcode and 2D matrix code
- Scanner function to automatically call up the work plan
- Printer function for statistics and results reports
- Label printing for product labeling

Interfaces

The software runs on all tablets, regardless of the operating system.

Professional sequencer

The sequencer allows the individual work steps (from simple to complex) to be called up and processed step by step.

- Control of the sequencer via a foot pedal, alternatively via swipe gestures on the tablet

Traceability and profiles

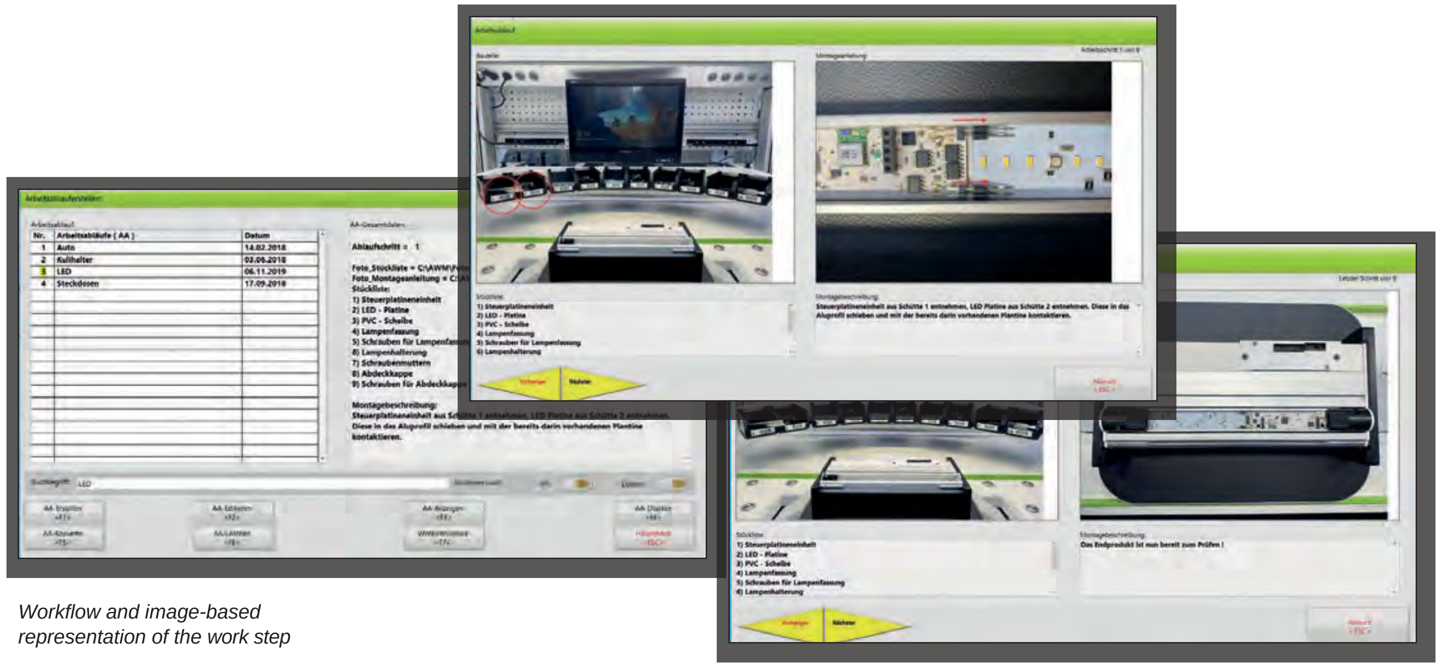
It is possible to track who processed, tested and commissioned which and when. This secures your processes and ensures maximum safety at all levels, which you can prove at any time.

- Central management in an SQL database for user data, work plans and the results of the operations performed, measured values if available
- Integrated, useful time recording for post-calculations
- 100% tracking through product lifecycle monitoring
- Statistical functions for assembly time evaluation and for quality assurance in the event of user queries, including remote access for support and remote access to remote production sites
- Worker interaction for image and video at instal. WebCams
- Free text input for feedback and production optimization
- Multiple Choice
- digital signatures
- User management with different authorization levels (worker, QA level, AL, PL, ...)
- Authorization management for "Work plan generator", "Sequencer", "Statistics" and "User administration"
- Options for unlimited and modular expandability:
  Depending on requirements and desired performance, extensive options, e.g. for hardware integration and multilingualism, can be integrated at a later date (see optional extensions).

Basic package assembly software AWM
AWM (Assembly Workflow Management) for PCs, tablets and smartphone applications

Order no.: AWM001

Invest in process optimization



Workflow and image-based representation of the work step

By making a sensible and well-considered investment, you can achieve sustainable efficiency, especially in production management. With the AWM software, you can achieve an immediate improvement in the value chain and achieve long-term efficiency.

Basic system for an efficient result

Without a high investment in hardware, you achieve immediate production progress. Extensive functions are already included in the basic package so that you can quickly get started with paperless production.

- Uniquely scalable worker assistance package in hardware and software.
- Ideal connection of the *CANDY Power* testing software and the *highlink Power* room control software via the SQL database.
- Complete CAQ system that documents all processes transparently and securely.
- Always up-to-date work schedules at all workstations, regardless of language, location and qualification.
- Increasing productivity in the value chain through graphical process support.
- Excel and other tools for a quick project start.

Effects of the AWM system:

- Increase process reliability by up to 80%
- Productivity increase of up to 20%
- Reduction of documentation requirements by up to 90%

- Local parallel storage of all data for backup in the event of a fault.
- From manual to semi-automatic paperless production in the shortest possible time, without changing systems and at the lowest possible cost.
- Employees become experienced without high expenditure.
- Statistics with live monitoring on dashboard for:
  - Completed orders
  - Defective products
  - Time evaluation
  - Evaluation of the questionnaires
  - Retrieve error images, and much more.

By carefully observing the work routines in the next step, you will recognize new possibilities. Desired features can be modularly can be expanded with hardware and additional software functions. The basic AWM system is inexpensive to get started with and avoids complex peripherals such as projectors, camera systems or pick-by-light systems.

Useful options

Expand your basic *AWM* production and assembly software system step by step in order to support employees in their routines and enable long-term efficiency.

- Ideal coupling to *CANDY Power* and *highlink Power* software packages (optional).
- Production data, test data and development data in one database, centrally managed and accessible at any time (optional).
- Connection to existing ERP systems (optional).
- Integration of language package to integrate foreign-language employees (optional).
- Any tools, camera and robot systems can be integrated (optional).
- Pick-by-light system can be integrated (optional).
- TAW function for parts presence check (option).

Optional additions to the AWM basic version

elneos workstation system® connect

Ideal with the *elneos connect* workstation system Basic assembly table 1.60 x 0.85 x 0.78 m (W x D x H) can be added. **Order no.:** AWM.002

Interface to the room software highlink® Power

Development has access to production data. This connection is planned and defined on a case-by-case basis. **Order no.:** AWM.003

Interface to the CANDY Power testing software

Testing and assembly from a single source. The test results from the area of electrical safety and function testing are stored together with the production data in a central SQL database. This connection is pro- jected and defined with you on a case-by-case basis.
Order no.: AWM.004

Pick-by-light

An LED light strip system on the respective material trays indicates the correct material assigned to each work step to the worker. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.005

ERP-ready interface

For direct connection to ERP systems such as SAP or others. The ERP-ready interface includes the information used to start the appropriate work plan and the data to be reported back to the ERP system. Simple connection to ERP orders and linking to work plans. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.006

Feedback through camera monitoring

Supplementary camera system for monitoring access to the material shell. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.007

Integration of intelligent tool systems This module allows the integration of intelligent tools such as screwdriving systems with torque monitoring and positioning. In individual cases, this connection is planned and defined with you. **Order no.:** AWM.008

Connection to robot systems

Integration and control of robot systems for semi-automated processes in which humans still have to perform manual operations. This connection is planned and defined on a case-by-case basis.**Order no.:** AWM.009

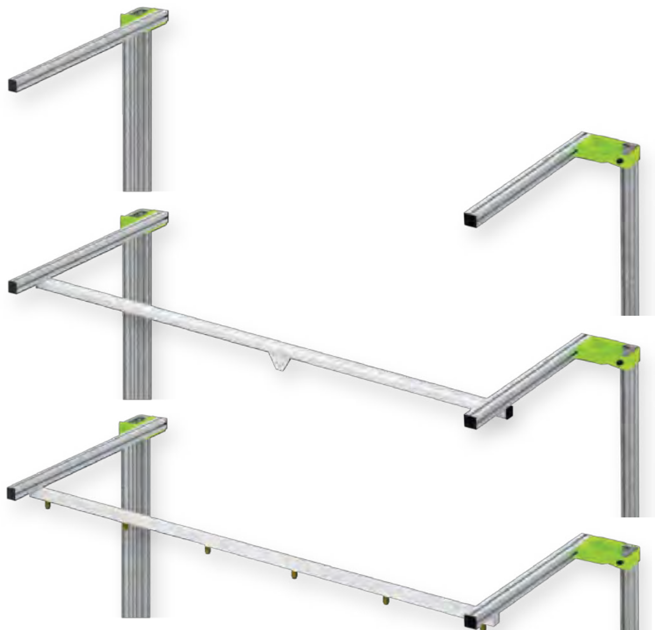
TAW Parts presence

Through scanning processes or direct ERP information, the intelligent workstation knows that all parts are present. This module prevents production from starting if not all parts are present. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.010

Language package

Enables the management of work plans in different national languages, so that the foreign-language worker is conveniently supported.
Order no.: AWM.011

Mounting bracket and accessories



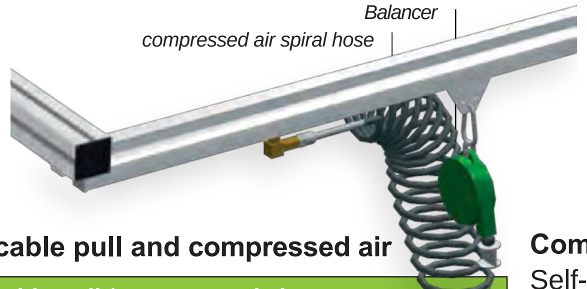
Universal mounting bracket
For mounting workstation lights, runners and universal compressed air supply strips.
Infinitely adjustable in height.

Running rail with tool trolley
For holding balancers for compressed air and power tools.
Infinitely variable depth adjustment.

Universal compressed air supply strip Self-adjusting coupling sockets DN 5 or DN 7.2 for connecting several compressed air tools. Infinitely adjustable in depth.

Universal assembly jib / running rail with tool trolley / compressed air supply rail

Table length	Universal mounting bracket	Running rail with tool trolley	Compressed air supply strip with 4 couplings		Compressed air supply strip with 6 couplings	
			DN 5	DN 7.2	DN 5	DN 7.2
1,200 mm	ELCM.1200	ELCM.1200.L	ELCM.1200.4D5	ELCM.1200.4D7	ELCM.1200.6D5	ELCM.1200.6D7
1,600 mm	ELCM.1600	ELCM.1600.L	ELCM.1600.4D5	ELCM.1600.4D7	ELCM.1600.6D5	ELCM.1600.6D7
1,800 mm	ELCM.1800	ELCM.1800.L	ELCM.1800.4D5	ELCM.1800.4D7	ELCM.1800.6D5	ELCM.1800.6D7
2,000 mm	ELCM.2000	ELCM.2000.L	ELCM.2000.4D5	ELCM.2000.4D7	ELCM.2000.6D5	ELCM.2000.6D7



Balancer with cable pull and compressed air

Balancer with cable pull / compressed air

	Adjustable load capacity	Extension length	Order no.
Balancer with cable pull	0.2 - 0.7 kg	2,2 m	ELCM.B0207
	0.7 - 1.4 kg	2,2 m	ELCM.B0714
	1.4 - 2.3 kg	2,2 m	ELCM.B1423
Balancer with cable pull and	0.4 - 0.8 kg	1,4 m	ELCM.B0408
	0.8 - 1.5 kg	1,4 m	ELCM.B0815
	1.2 - 2.5 kg	1,4 m	ELCM.B1225

Compressed air coupling on the mounting bracket
Self-releasing coupling socket DN 5 or DN 7.2 incl. compressed air hose (laid invisibly inside the mounting bracket and led out 2 m from the end of the base profile, without mating coupling) for direct connection of the compressed air tools.

Compressed air coupling on the mounting bracket

Assembly	Links	Right
DN 5	ELCM.L1D5	ELCM.R1D5
DN 7.2	ELCM.L1D7	ELCM.R1D7

Compressed air spiral hose

	Ø inside/outside	outer helix	DN 5	DN 7.2
– Usable working length 2.5 m – top incl. plug-in nipple – bottom incl. clutch	5 / 8 mm	Ø 50 mm	ELCM.501D5	ELCM.501D7
	6.3 / 9.5 mm	Ø 60 mm	ELCM.601D5	ELCM.601D7

System lights

System light 1
incl. lamp holder

Technical data: Light source: LED
Energy efficiency class: D
Color temperature: 5.000 K +/- 5%
Illuminance: 1,350 lx @ 1.0 m
3,460 lx @ 0.5 m
Protection type / class IP20 / III
Housing material: Aluminum, ABS

LED cover: PMMA
Dimensions (W x H): 33 x 26.5 mm
Weight: 0.58 kg
CRI: 85

System light 1						
for table width	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Luminaire length**	**Order no.**
1,200 mm	dimmable	38 W	3,720 lm	99 lm / W	889 mm	ELH1.1201
1,600 mm	dimmable	38 W	3,720 lm	99 lm / W	1,089 mm	ELH1.1601
1,800 mm	dimmable	38 W	3,720 lm	99 lm / W	1,489 mm	ELH1.1801
2,000 mm	dimmable	38 W	3,720 lm	99 lm / W	1,549 mm	ELH1.2001

System light 2
incl. light holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx. 5000K Color rendering (Ra): > 80
Light distribution: Direct (proportion: approx. 100 %) Max. Luminance: (L65) <= 13000 cd/m² Beam angle: 92°

Glare suppression: Textured cover
Protection type / class: IP20 / I
Housing material: Aluminum / plastic

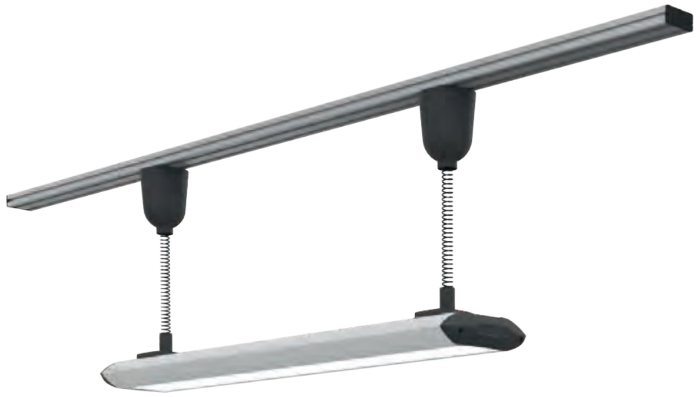
System light 2						
for table width	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Luminaire length**	**Order no.**
all	switchable	approx. 15 W	approx. 1,100 lm	approx. 73 lm / W	449 mm	ELH1.1002.S
1,200 mm	switchable	approx. 35 W	approx. 3,000 lm	approx. 85 lm / W	899 mm	ELH1.1202.S
	dimmable	approx. 35 W	approx. 3,000 lm	approx. 85 lm / W	899 mm	ELH1.1202.D
1,600 mm	switchable	approx. 40 W	approx. 3,700 lm	approx. 92 lm / W	1,199 mm	ELH1.1602.S
	dimmable	approx. 40 W	approx. 3,700 lm	approx. 92 lm / W	1,199 mm	ELH1.1602.D
from 1,800 mm	switchable	approx. 63 W	approx. 5,000 lm	approx. 79 lm / W	1,499 mm	ELH1.1802.S
	dimmable	approx. 63 W	approx. 5,000 lm	approx. 79 lm / W	1,499 mm	ELH1.1802.D

System light 3
incl. lamp holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx. 4000 K Color rendering (Ra): >= 90 (R9>50)
Color tolerance: < 3 SDCM Light distribution: Direct (proportion: approx. 100 %); symmetrical
Max. Luminance: (L65)≤ 3,800 cd/m²

Beam angle: 75°
Glare control: Cone prismatic cover
Protection type / class: IP 20 / I
Housing material: Aluminum / plastic
LED cover: Structured, plastic

System light 3							
for table width	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Luminaire length**	**Order no.**
1,200 mm	switchable	approx. 18 W	approx. 1,500 lm	approx. 83 lm / W	approx. 3.2 kg	656 mm	ELH1.1203.S
1,600 mm	switchable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1603.S
	dimmable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 5.1 kg	956 mm	ELH1.1603.D
from 1,800 mm	switchable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1803.S
	dimmable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1803.D



System light 4 with pendant
incl. light holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx. 4,000 K Color rendering: Ra≥ 90; R9≥ 50 Color tolerance: < 3 SDCM Light distribution: Direct (proportion: approx. 100 %) Max. Luminance: (L65):≤ 3,800 cd/m² Beam angle: 75%
Glare control: Cone prismatic screen UGR class (4H 8H):≤ 22
Protection type / class: IP 20 / I

Housing material: Aluminum / plastic Drawbar extension: 0,3 - 1,3 m

System light 3 with pendant							
for table width	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Luminaire length**	**Order no.**
from 1,200 mm	switchable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1204.S
	dimmable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1204.D
from 1,800 mm	switchable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1804.S
	dimmable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1804.D

Magnifying lights

*Picture left:
Magnifying lamp 1
mounted on aluminum base profile
with universal adapter.*

*Figure on the
right: Magnifying lamp
2 - ESD with table
clamp.*

Magnifying lamp 1

for attachment to the aluminum base profile incl. universal adapter, Optional with table clamp

Magnifying lamp 2 - ESD version

for attachment to the aluminum base profile incl. universal adapter, Optional with table clamp

Technical data
Magnifying lamp 1 and magnifying lamp 2 ESD:

Equipment: LED
sec. power consumption: 11 W
Light color / temp: Neutral white, approx.
4,000 K Color rendering: Ra≥ 90; R9≥ 50
Color tolerance: < 3 SDCM
Light distribution: Direct (proportion: approx.
100 %) Protection type / class: *Magnifier light 1:*
IP 20 / II
Magnifying lamp 2 ESD:
IP20 / I
Material: *Magnifying lamp 1:* Plastic / anodized aluminium
Magnifying lamp 2 ESD:
Plastic, black, ESD / aluminium ESD-painted black

LED cover: Polyamide (PA),
matt Joints: Spring
Magnifying glass: Glass, Ø 160 mm
Magnifying glass material: Glass
Diopters: 3,5

Special features: *Magnifying lamp 1:*
Light characteristics can be influenced by 3-stage switch

Magnifier lamp 2 ESD:
ESD version, long rod, light characteristics can be influenced by 3-position switch

Magnifying lamp 1						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	Dimmable (touch)	approx. 13 W	approx. 750 lm	approx. 57 lm / W	approx. 2.5 kg	ELH1.0011.U
Table clamp	dimmable	approx. 16 W		approx. 57 lm / W	approx. 2.7 kg	ELH1.0011.T

Magnifying lamp 2 ESD version						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	Dimmable (touch)	approx. 13 W	approx. 750 lm	approx. 57 lm / W	approx. 2.5 kg	ELH1.0012.U
Table clamp	dimmable	approx. 16 W		approx. 57 lm / W	approx. 2.7 kg	ELH1.0012.T

Boom lights

Magnifying lamp 3

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment: LED sec.
power consumption: 9.5 W
Light color /-temp: Neutral white / approx.
5,000 K Color rendering: Ra≥ 80
Color tolerance: < 3 SDCM Light
distribution: Direct (proportion: approx.
100 %) Protection type / class: IP 20 / II

Material: Plastic / anodized
aluminium
LED cover: Polycarbonate (PC)
Joints: Spring

Magnifying glass: Ø 160 mm
Magnifier material: PMMA 3.5
Diopters:

Magnifying lamp 3						
Fastening with...	**Technology**	**Power consumpti on**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	Dimmable (touch)	approx. 11 W	approx. 800 lm	approx. 72 lm/W	approx. 2.5 kg	ELH1.0013.U
Table clamp	Dimmable (touch)	approx. 11 W	approx. 800 lm	approx. 72 lm/W	approx. 2.5 kg	ELH1.0013.T

Office and IT workstation light 1

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment: LED
Light color / temp: neutral white, approx.
5,000 K Color rendering: Ra > 80
Color tolerance: < 5 SDCM Light
distribution: Direct, (proportion: approx.
100 %) Max. Luminance: (L65) <= 16000
cd/m² Beam angle :85
Glare control: Textured
screen UGR class (4H 8H): <= 25
Protection type / class:IP 20 / II
Material: Plastic / Anodized aluminium

LED cover: structured, Plastic
Joints: Spring

Office and IT workstation light 1						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	Dimmable (touch)	16 W	approx. 1250 lm	approx. 78 lm / W	approx. 1.6 kg	ELH1.0021.U
Table clamp	Dimmable (touch)	16 W	approx. 1250 lm	approx. 78 lm / W	approx. 1.6 kg	ELH1.0021.T

Linkage and system lights

Office and IT workstation light 2

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

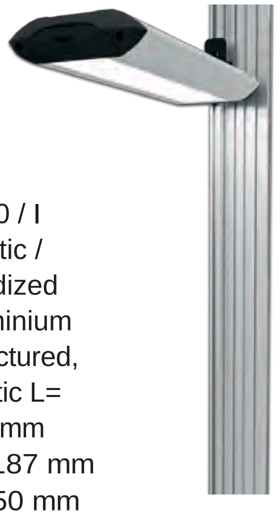
Technical data:

Fitting: LED
Energy efficiency class: A / A+ / A++
Light color / temp: Neutral white, approx.
5,000 K Color rendering: Ra > 80
Color tolerance: < 4 SDCM
Protection type / class: IP 20 / II
Material: Plastic / anodized
aluminium LED cover: Polycarbonate (PC),
opal white (opaque)
Joints: Spring

Office and IT workstation light 2						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	switchable	24 W	approx. 1200 lm	approx. 50 lm / W	approx. 1.9 kg	ELH1.0022.U
Table clamp	switchable	24 W	approx. 1200 lm	approx. 50 lm / W	approx. 1.9 kg	ELH1.0022.T

Office and IT workstation light 3

For attachment to the aluminum base profile via angle piece



Technical data:

Equipment: LED
Light color / temp: Neutral white, approx. 4,000 K
Color rendering: Ra≥ 90; R9≥ 50 Color
tolerance: < 3 SDCM Light
distribution: Direct (proportion: approx.
100 %),
symmetrical
Max. Luminance: (L65)≤ 5,200 cd/m^2
Beam angle: 80°
Glare control: Prismatic diaphragm
UGR class (4H 8H): in accordance with EN 12464-
1≤ 22

Protection type / class: Material: IP 20 / I
Plastic / anodized aluminium
LED cover: Structured, plastic
Dimensions: L= 456 mm
B= 187 mm
H= 50 mm

Office and IT workstation light 3							
Mounting side	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Luminaire length**	**Order no.**
Right	switchable	approx. 18 W	approx. 1450 lm	approx. 80 lm / W	approx. 2.4 kg	456 mm	ELH1.0023.R
Links	switchable	approx. 18 W	approx. 1450 lm	approx. 80 lm / W	approx. 2.4 kg	456 mm	ELH1.0023.L

Spotlights

Office and IT workstation light 4

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment: LED
Light type/color: Neutral white, approx.
5,000 K Color rendering: Ra≥ 80
Color tolerance: < 4 SDCM Light
distribution: Wide beam, direct,
black
Max. Luminance: (L65)≤ 6,000 cd/m^2
Beam angle: 30°
Glare control:
Optic
s UGR class (4H 8H):≤ 19

Protection type / class: IP 20 / I
Color: Anodized
aluminium, black LED
cover: Borosilicat

Office and IT workstation light 4						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Universal adapter	dimmable	9 W	approx. 550 lm	approx. 61 lm / W	approx. 2.7 kg	ELH1.0024.U
Table clamp	dimmable	9 W	approx. 550 lm	approx. 61 lm / W	approx. 2.7 kg	ELH1.0024.T

Office and IT workstation light 5

for mounting with table clamp

Technical data:

Equipment: LED
Light color / temp: Neutral white, 5,000 K

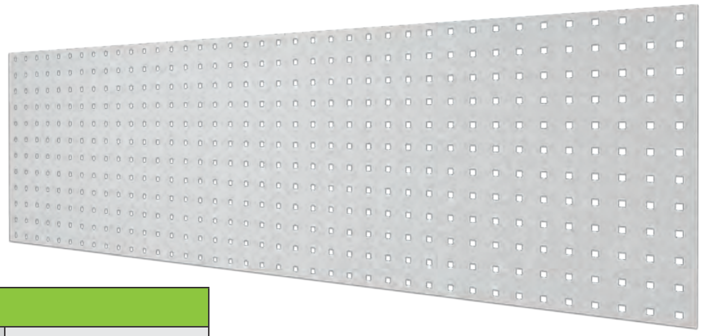
Color rendering: Ra > 70 Light
distribution: Wide beam; direct
Beam angle: 40°
Glare control: Optics
Protection type / class: IP 67 /
II
Material : Black lacquered
aluminum LED cover: Borosilicate Special
features: Flood

Office and IT workstation light 5						
Fastening with...	**Technology**	**Power consumption**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Weight**	**Order no.**
Table clamp	switchable	approx. 6 W	approx. 460 lm	approx. 76 lm / W	approx. 1.7 kg	ELH1.0025.T

Perforated panels and accessories

Perforated sheet walls

Mounted between the two rear base profiles.
With square perforation.
For attaching accessories. Alternatively also as a privacy screen underneath the
Table can be mounted at the side and rear.



Perforated sheet walls light gray RAL 7035

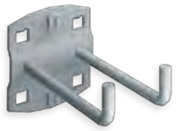
Size	502 x 449 mm	996 x 449 mm	1490 x 449 mm	1986 x 449 mm
Order no.	ELCM.0502	ELCM.0996	ELCM.1490	ELCM.1986

Accessories for hanging in perforated sheet walls

Brackets for hanging

	Can holder		Unwinder holder	6-piece tool holder for screwdrivers	Hose holder	Pipe holder	
Size in mm	for 1 can	for 3 cans					
	100 x 90 x 70	300 x 90 x 70	360 x 100 x 120	200 x 30 x 30	230 x 125 x 100	Ø 60	Ø 100
Order no.	ELCM.Z1.030	ELCM.Z1.031	ELCM.Z1.032	ELCM.Z1.033	ELCM.Z1.034	ELCM.Z1.035	ELCM.Z1.036

Single hook length 75 mm



Double hook length 75 mm

Single clamp Ø 10 mm

Single clamp Ø 25 mm

Double clamp Ø 10 mm

Hook for hanging Ø 6 mm

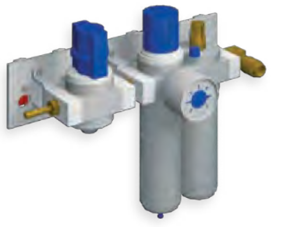
Hook length	Single hook	Double hook
35 mm	ELCM.Z1.001	ELCM.Z1.002
50 mm	-	ELCM.Z1.004
75 mm	ELCM.Z1.005	ELCM.Z1.006
125 mm	ELCM.Z1.007	-
150 mm	-	ELCM.Z1.010

Tool clamps for hanging

Ø	Single clamp	Double clamp
6 mm	ELCM.Z1.011	ELCM.Z1.012
10 mm	ELCM.Z1.013	ELCM.Z1.014
13 mm	ELCM.Z1.015	ELCM.Z1.016
16 mm	ELCM.Z1.017	ELCM.Z1.018
19 mm	ELCM.Z1.019	ELCM.Z1.020
25 mm	ELCM.Z1.021	-
28 mm	ELCM.Z1.022	-
32 mm	ELCM.Z1.023	-

Shelves for hanging

Size	Order no.
350 x 125 x 12 mm	ELCM.Z1.037
445 x 150 x 12 mm	ELCM.Z1.038



Maintenance unit for compressed air preparation

Order no.
ELCM.Z1.039

Gripper shells, gripper containers, gripper tongues

Gripper shells, gripper containers, gripper tongues
Made of plastic. Color: light grey (non-conductive), black (conductive). Resistant to weak acids, alkalis and alcohols,
Fats, oils, water.

Gripper shells

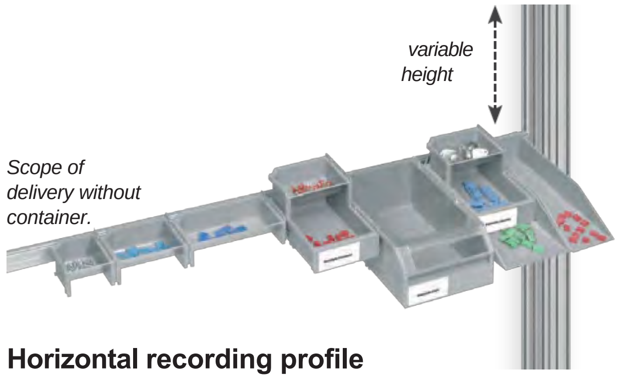
Grab container accessories (suitable for all 4 sizes)
Fixing clip with 1 label each, white,
10 pieces, **order no.:** ELCM.GB10.EW
Labels, lined, 10 pieces,
Order no.: ELCM.GB10.EL

Gripping container ESD version black

Gripper tongues

Gripper shells, gripper containers, plastic gripper tongues

Article	**Size** (W x T x H)	Contents	light gray	black - ESD
Gripper shell	82 x 86 x 50 mm	0,15 l	ELCM.Z2.011	ELCM.Z2.012
	123 x 86 x 50 mm	0,24 l	ELCM.Z2.021	ELCM.Z2.022
	173 x 86 x 50 mm	0,36 l	ELCM.Z2.031	ELCM.Z2.032
Gripping container	82 x 173 x 50 mm	0,37 l	ELCM.Z2.041	ELCM.Z2.042
	123 x 173 x 50 mm	0,60 l	ELCM.Z2.051	ELCM.Z2.052
	123 x 173 x 100 mm	1,37 l	ELCM.Z2.061	ELCM.Z2.062
	173 x 245 x 100 mm	3,05 l	ELCM.Z2.071	ELCM.Z2.072
Cover for grab containers	77 x 173 x 13 mm	-	ELCM.Z2.041A	ELCM.Z2.042A
	117 x 173 x 13 mm	-	ELCM.Z2.051A	ELCM.Z2.052A
	117 x 173 x 32 mm	-	ELCM.Z2.061A	ELCM.Z2.062A
	167 x 245 x 32 mm	-	ELCM.Z2.071A	ELCM.Z2.072A
Gripping tongue	90 x 277 x 54 mm	0,69 l	ELCM.Z2.081	ELCM.Z2.082
	131 x 277 x 54 mm	1,05 l	ELCM.Z2.091	ELCM.Z2.092

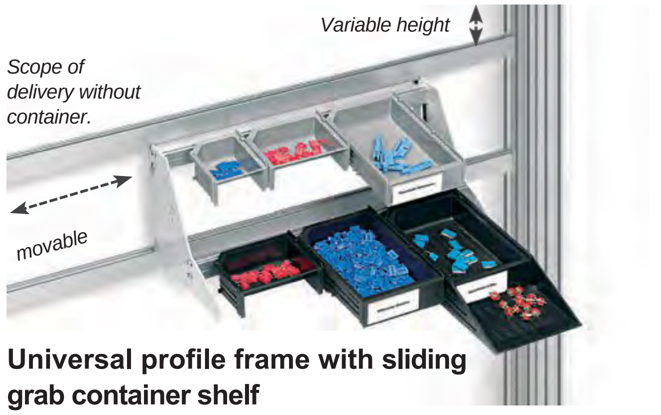


Horizontal recording profile

For mounting between two aluminum base profiles. Infinitely adjustable in height. holding gripper shells, gripper containers and gripper tongues.

Horizontal recording profile

Table width	Order no.
1,200 mm	ELCM.1201
1,600 mm	ELCM.1601
1,800 mm	ELCM.1801
2,000 mm	ELCM.2001



Universal profile frame with sliding grab container shelf

For mounting between two aluminum base profiles. For holding gripping trays, gripping containers and gripping tongues. Shelf size: 400 x 185 x 192 mm.

Universal profile frame with grab container shelf

Table width	Order no.
1,200 mm	ELCM.1202
1,600 mm	ELCM.1602
1,800 mm	ELCM.1802
2,000 mm	ELCM.2002

Open fronted storage bins and retaining rails

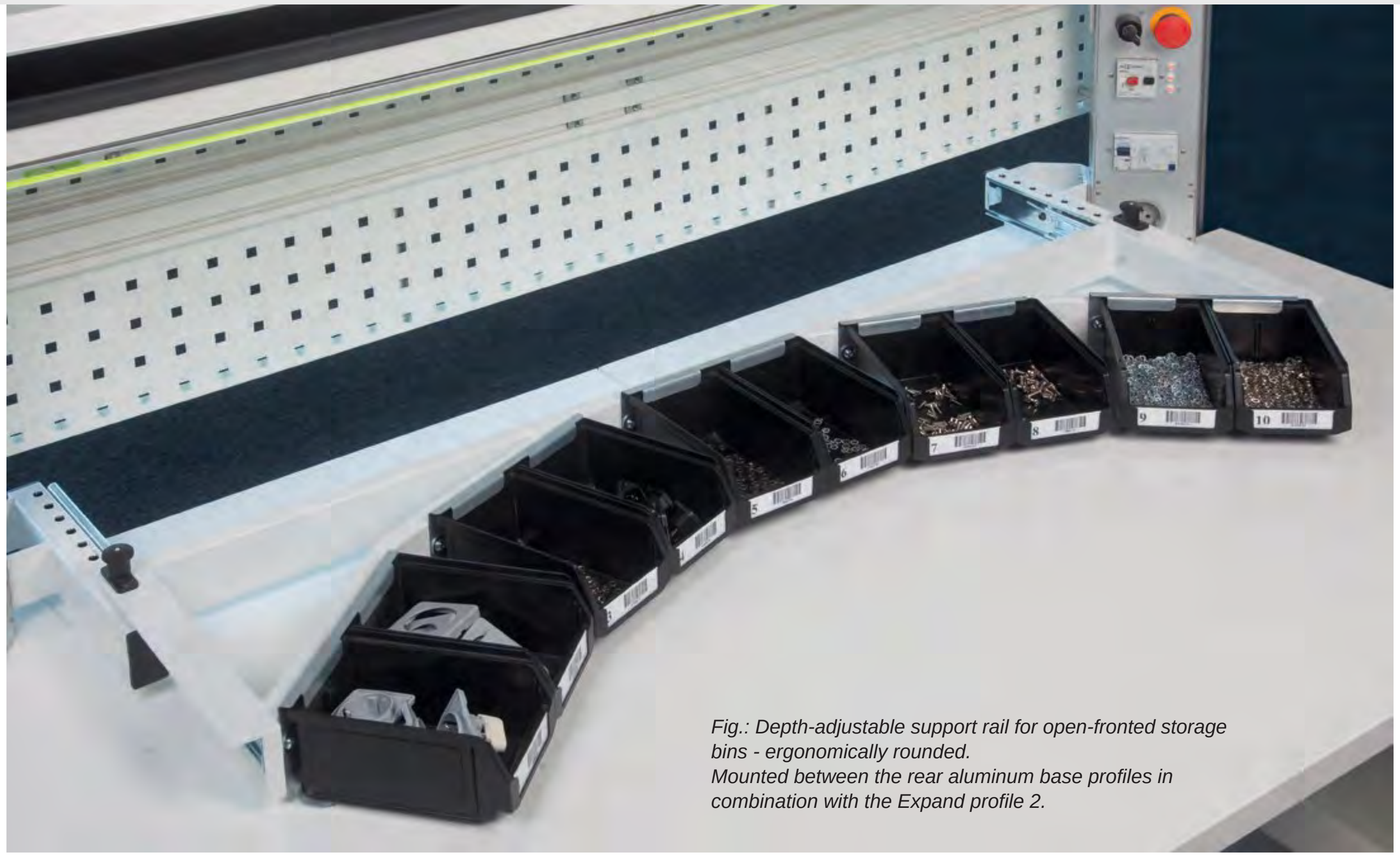


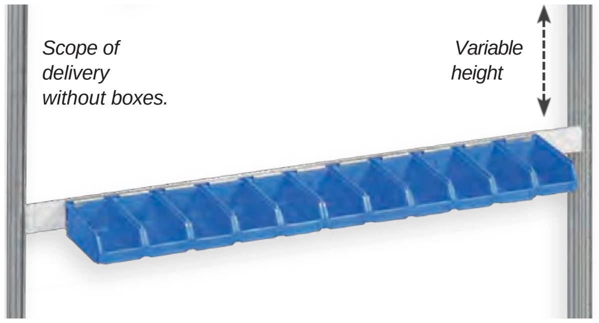
Fig.: Depth-adjustable support rail for open-fronted storage bins - ergonomically rounded.
Mounted between the rear aluminum base profiles in combination with the Expand profile 2.

Plastic open-fronted storage bins
Color: blue (non-conductive), black (conductive).
Resistant to most acids and alkalis. Temperature resistant between - 40° and+ 80° C.

Labels for open fronted storage bins
10 pieces each
suitable for **type 1** **Order no.:** ELCM.SK1001.E
suitable for **type 2, 3, 4, 5 Order no.:** ELCM.SK1002.E

Plastic open-fronted storage bins

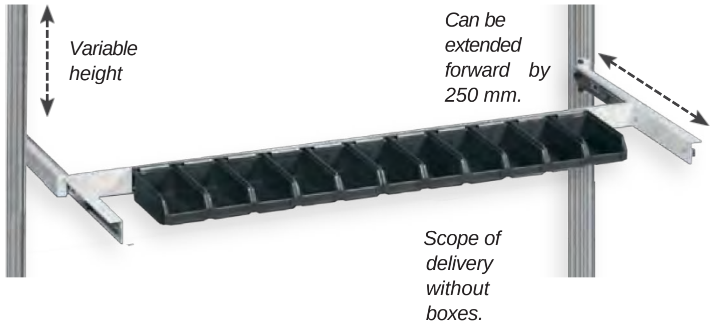
	Type	**Size** (W x D x H)	**Content** (liters)	**Order no.**
blue	1	100 x 160 x 75 mm	0,80 l	ELCM.Z2.111
	2	150 x 230 x 130 mm	2,60 l	ELCM.Z2.121
	3	220 x 350 x 200 mm	10,4 l	ELCM.Z2.131
	4	320 x 500 x 200 mm	23,5 l	ELCM.Z2.141
	5	470 x 520 x 300 mm	57,0 l	ELCM.Z2.151
black - ESD	1	95 x 160 x 76 mm	0,80 l	ELCM.Z2.112
	2	150 x 230 x 120 mm	2,60 l	ELCM.Z2.122
	3	200 x 350 x 200 mm	10,0 l	ELCM.Z2.132
	4	300 x 510 x 200 mm	23,0 l	ELCM.Z2.142



Retaining rail for open fronted storage bins
For mounting between two aluminum base profiles. Infinitely adjustable in height.

Support rail for open fronted storage bins

Table width mm	Open fronted storage bins type 1		Open fronted storage bins type 2	
	Number of boxes	Order no.	Number of boxes	Order no.
1.200	10	ELCM.1203.1	6	ELCM.1203.2
1.600	11	ELCM.1603.1	7	ELCM.1603.2
1.800	11	ELCM.1803.1	7	ELCM.1803.2
2.000	11	ELCM.2003.1	7	ELCM.2003.2

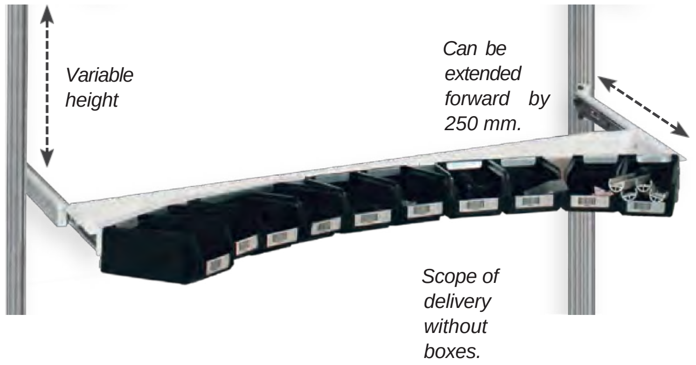

Variable height
Can be extended forward by 250 mm.
Scope of delivery without boxes.

Depth-adjustable retaining rail for open-fronted storage bins
For mounting between two aluminum base profiles. Infinitely adjustable in height and by 250 mm Infinitely Can be pulled out to the front.

Depth-adjustable retaining rail for open-fronted storage bins

Table width mm	Open fronted storage bins type 1		Open fronted storage bins type 2	
	Number of boxes	Order no.	Number of boxes	Order no.
1.200	10	ELCM.1204.1	6	ELCM.1204.2
1.600	11	ELCM.1604.1	7	ELCM.1604.2
1.800	11	ELCM.1804.1	7	ELCM.1804.2
2.000	11	ELCM.2004.1	7	ELCM.2004.2

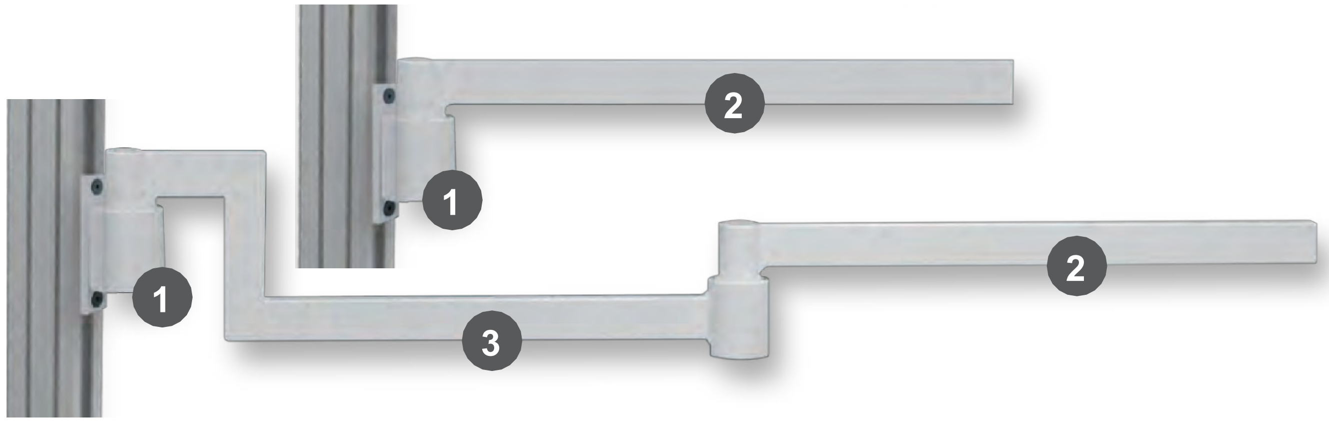
Depth-adjustable retaining rail for open-fronted storage bins - ergonomically rounded
For mounting between two aluminum base profiles. Infinitely adjustable in height and can be extended forward by 250 mm.


Variable height
Can be extended forward by 250 mm.
Scope of delivery without boxes.

Depth-adjustable retaining rail for open-fronted storage bins

Table width mm	Open fronted storage bins type 1		Open fronted storage bins type 2	
	Number of boxes	Order no.	Number of boxes	Order no.
1.200	10	ELCM.1205.1	6	ELCM.1205.2
1.600	11	ELCM.1605.1	7	ELCM.1605.2
1.800	11	ELCM.1805.1	7	ELCM.1805.2
2.000	11	ELCM.2005.1	7	ELCM.2005.2

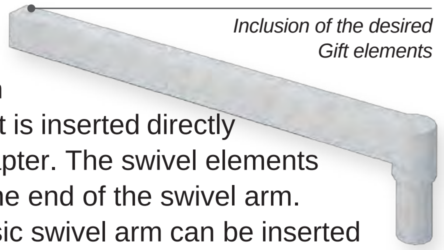
Support arms and swivel technology



① Universal adapter

For quick and easy adaptation to the aluminum system base profile.
Designed to accommodate the basic or of the additional swivel arm. Suitable for heavy loads. Infinitely adjustable in height.

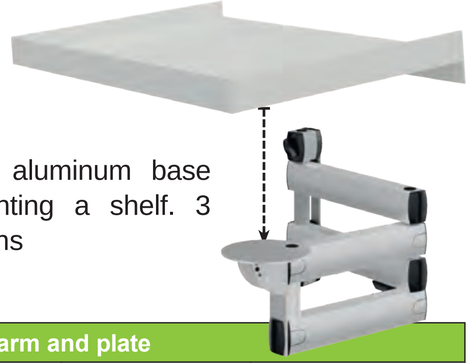
Order no.: ELC.UA


Inclusion of the desired Gift elements

② Basic swivel arm

The sturdy round bolt is inserted directly intothe universal adapter. The swivel elements can be attached to the end of the swivel arm. Alternatively, the basic swivel arm can be inserted into the supplementary arm to improve flexibility and ergonomics.

Order no.: ELCM.T1


Shelf to be ordered separately.

Universal support arm and plate

Mounted on the aluminum base profile. For mounting a shelf. 3 adjustable positions (0°/ 15°/ 30°).

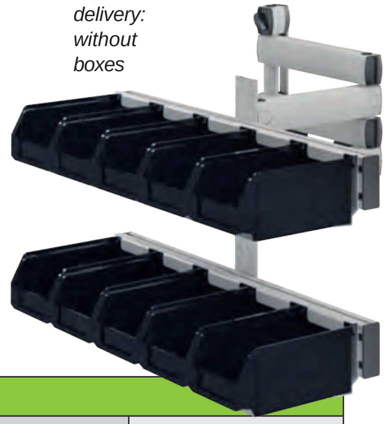
Universal support arm and plate

Tray support arm length	Max. Load capacity	Order no.
350 mm / 1-arm	30 kg	ELCM.UA350
500 mm / 2-armed	25 kg	ELCM.UA500
700 mm / 2-armed	18 kg	ELCM.UA700
Matching shelf, 400 x 300 mm		ELCM.Z3.009

③ Supplementary arm (optional)

The extension arm is plugged directly into the universal adapter and can accommodate the basic swivel arm. This provides a very high degree of flexibility at the workplace.

Order no.: ELCM.T2


Scope of delivery: without boxes

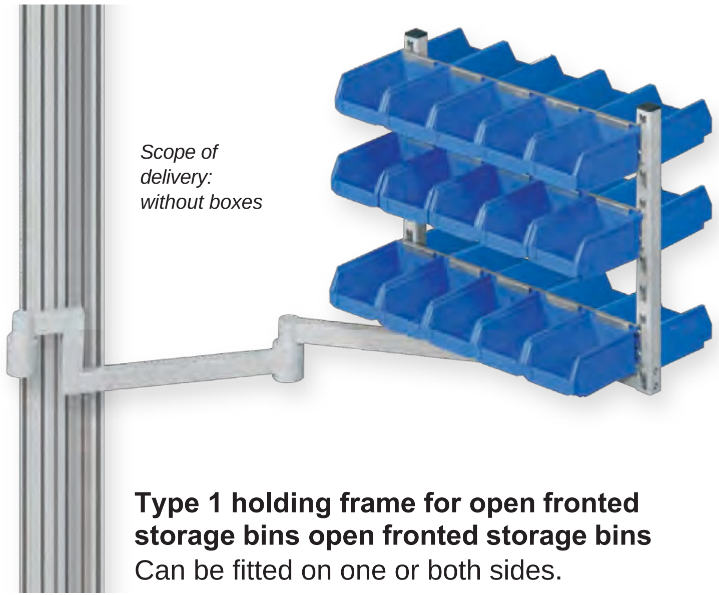
Universal support arm

Mounting on aluminum base profile. With vertical mounting incl. 2 profile rails for mounting each 5 open-fronted storage bins type 1.

Universal support arm

Arm length / design	Max. Load capacity	Order no.
350 mm / 1-arm	30 kg	ELCM.UT350
500 mm / 2-armed	25 kg	ELCM.UT500
700 mm / 2-armed	18 kg	ELCM.UT700

Swivel elements

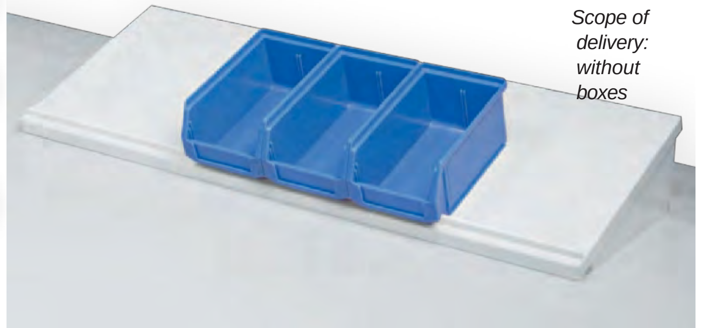

Scope of delivery: without boxes

Type 1 holding frame for open fronted storage bins open fronted storage bins

Can be fitted on one or both sides.
For mounting on the base swivel arm.

Support frame type 1 for open fronted storage bins

Execution	Box type	Number of boxes	Order no.
one-sided Equippable	Type 1	15	ELCM.Z3.001
	Type 2	6	ELCM.Z3.002
on both sides Equippable	Type 1	30	ELCM.Z3.003
	Type 2	12	ELCM.Z3.004

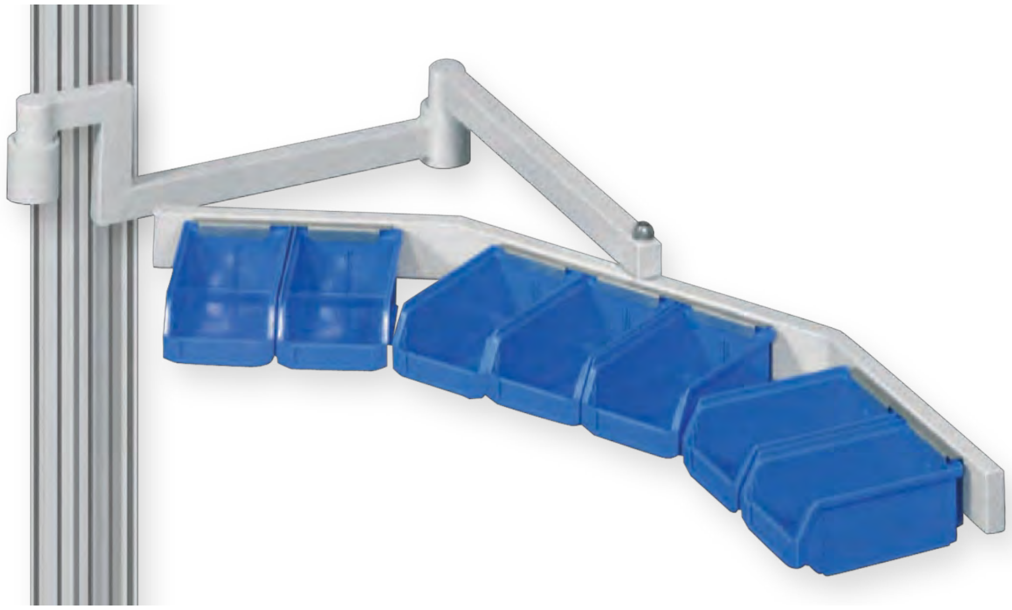

Scope of delivery: without boxes

Inclined support for

With rubber buffer on underside.
Size: W: 700 mm, D: 260 mm.

Inclined shelf for open fronted storage bins

Box type	Number of boxes	Order no.
Type 1	6	ELCM.Z3.005
Type 2	4	


Scope of delivery: without boxes

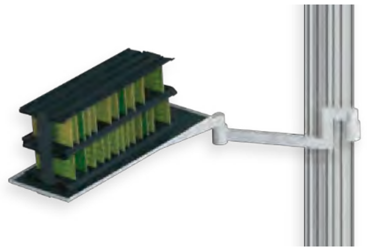
Support frame type 2 for open fronted storage bins

Can be fitted on one side.
For mounting on the base swivel arm.

Support frame type 2 for open fronted storage bins

Box type	Number of boxes	Order no.
Type 1	7	ELCM.Z3.006

Accessories for the assembly world



Swivel shelf 1
For attachment to the basic swivel arm. Universal adapter and swivel arm must be ordered separately!

Swivel shelf 2
For attachment to the basic swivel arm. Universal adapter and swivel arm must be ordered separately!

Swivel shelves			
Swivel shelf 1		**Swivel shelf 2**	
Size	**Order no.**	**Size**	**Order no.**
700 x 250 mm	ELCM.Z3.007	600 x 400 mm	ELCM.Z3.008

Waste bin with separation system, 18 l
Waste bin incl. 2 inserts 2.2 l and 2 hinged lids. Including adapter and swivel arm (L: 380 mm).

Waste paper basket with separation system	
Décor	**Order no.**
Waste bin: light gray, 2 inserts stone gray Hinged lid: 1x gray, 1x green	ELCM.Z4.005
Waste bin: black, 2 inserts black Hinged lid: 1x gray, 1x green	ELCM.Z4.006

Cable reel holder - rod Ø 18 mm
For mounting between two aluminum base profiles. Infinitely height-adjustable, removable.

Cable reel holder	
Table width in mm	**Order no.**
1.200	ELCM.1206
1.600	ELCM.1606
1.800	ELCM.1806
2.000	ELCM.2006

Test lead holder, 180° swiveling
Each side equipped with:
- 1 hose holder
- 1 laboratory cord holder with 21 carrying elements

Test lead holder can be swiveled 180	
Execution	**Order no.**
Equipped on one side	ELCM.Z4.001
Equipped on both sides	ELCM.Z4.002

Storage tray
Made of sheet steel.
For attachment to the aluminum base profile.

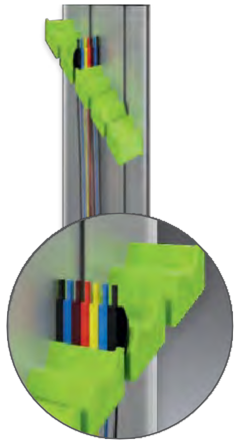
Storage tray	
Size	**Order no.**
200 x 300 x 100 mm	ELCM.Z4.003
300 x 500 x 100 mm	ELCM.Z4.004

Cable comb
For mounting on the aluminum base profile. For approx. 40 laboratory cords.

Order no.: ELCM.Z4.010

Test lead holder 1
For mounting on the aluminum base profile. With 21 support elements, 300 mm long.

Order no.: ELCM.Z4.011



Test lead holder 2
For mounting on the aluminum base profile. With 4 rows for holding up to 7 laboratory cords per row.
Various colors available.

Order no. green: ELCM.Z4.012
Order no. black: ELCM.Z4.013
Order no. white: ELCM.Z4.014

Other colors on request.

Hose holder
For mounting on the aluminum foot profile. With 1 storage option.

Order no.: ELCM.Z4.020

Cup holder
For holding cups and mugs.
Made of plastic, black.

Order no.: ELCM.Z4.021

Bottle holder
For holding bottles and square drinks containers. Made of steel wire, light gray, plastic-coated.

Order no.: ELCM.Z4.022

Hooks for accessories
Made of steel. Length 50 mm, Ø 6 mm.

Order no.: ELCM.Z4.023

Universal adapter must be ordered separately!

Foil pocket holder
Made of plastic, light gray. Height adjustable in 3 steps. Includes 10 A4 film pockets with colored frame. Can be inserted into universal adapter.

Order no.: ELCM.FTR

Foil pocket holder	
Frame color of the foil pockets	**Order no.**
black	ELCM.Z3.010
white	ELCM.Z3.011
red	ELCM.Z3.012
blue	ELCM.Z3.013
green	ELCM.Z3.014
2 of each color	ELCM.Z3.015

Universal adapter and swivel arm must be ordered separately!

Information board incl. 4 magnets
Can be swiveled 90° to the rear. Attached to the base swivel arm.

Information board	
Execution	**Order no.**
DIN A4 portrait	ELCM.Z3.020
DIN A4 landscape	ELCM.Z3.021
DIN A3 portrait	ELCM.Z3.022
DIN A3 landscape	ELCM.Z3.023

Organizational elements for the assembly world

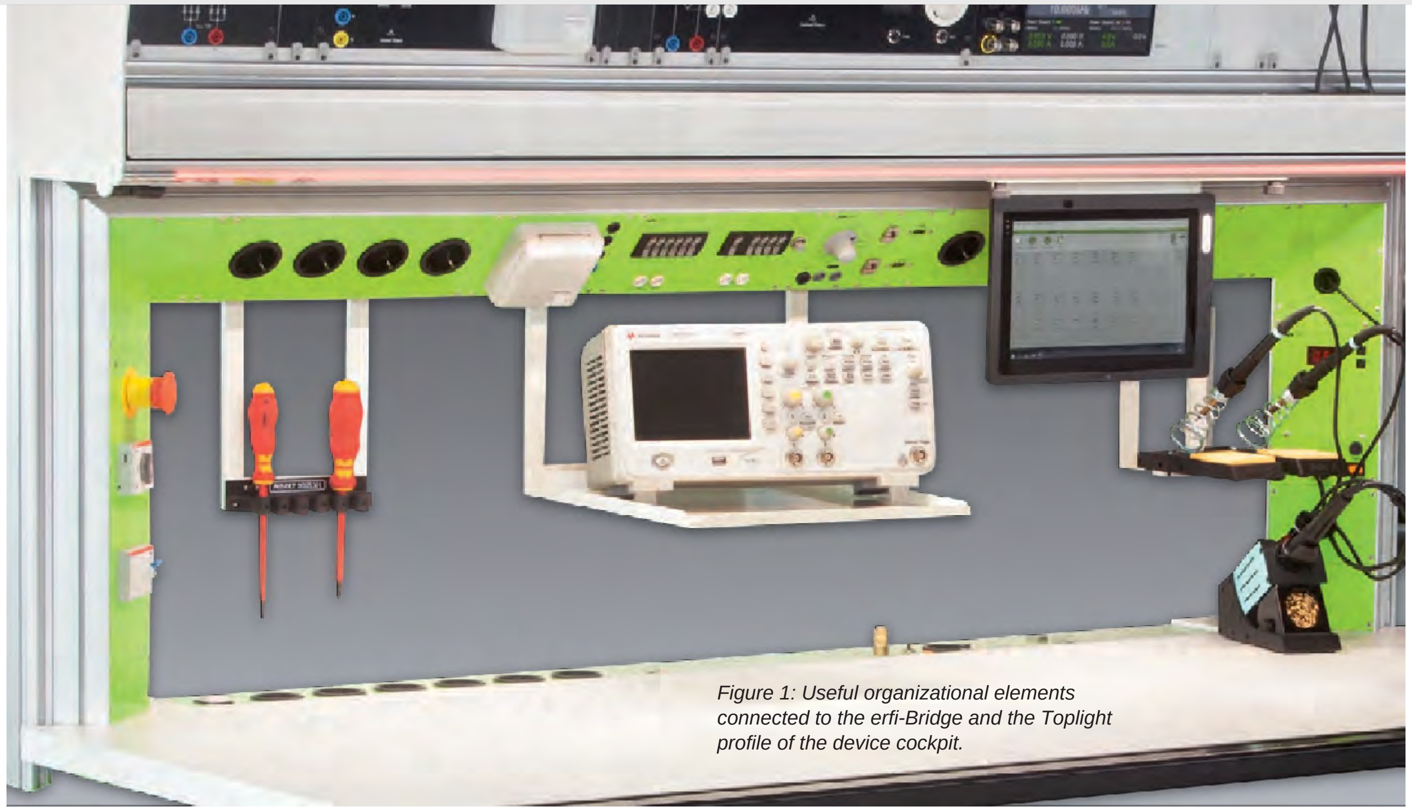


Figure 1: Useful organizational elements connected to the erfi-Bridge and the Toplight profile of the device cockpit.

Useful organizational elements for perfect order

The versatile organizational elements provide free space at your workstation and thus relieve the work surface.

The infinitely horizontally sliding elements can be elegantly attached either to the erfi bridge, to the horizontal expand profile 2 under the storage shelf / appliance cockpit or to the front profile Toplight of the storage shelf / appliance cockpit.
can connected using quick-release clamp connectors.

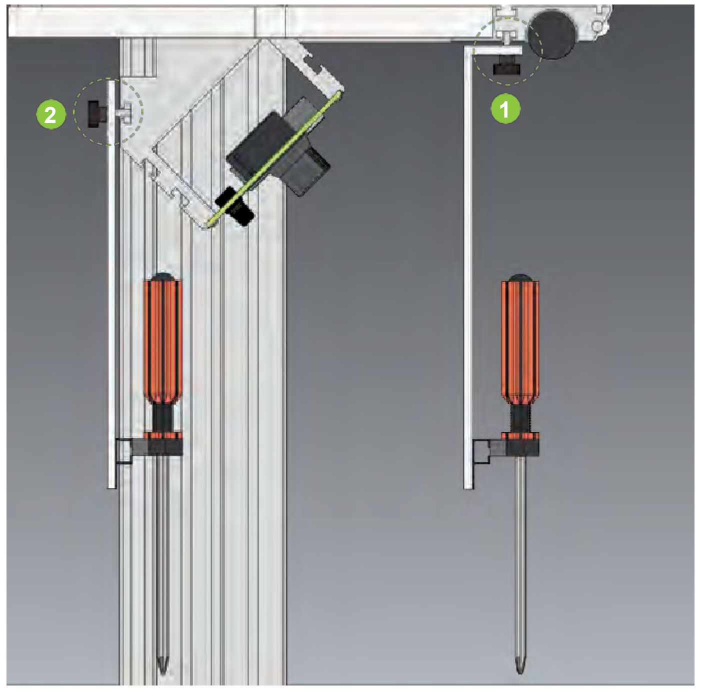


Figure 2:
Sectional drawing
1. *Connection from the front at the bottom to the Toplight profile of the storage shelf or appliance cockpit.*
2. *Connection from behind to the bridge or to the horizontal expansion profile 2.*

Connection of the organizational elements

① At the **front** of the **profile top light** of the storage board / cockpit

② **Rear** on **bridge** or horizontal **expansion profile 2**

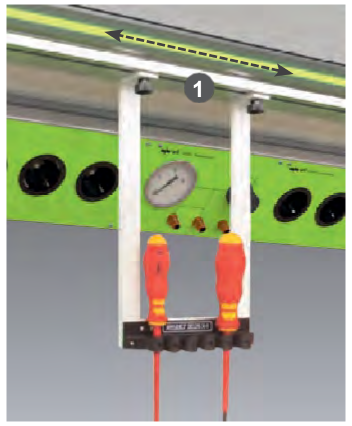


Figure 3: Connection option 1. table view from the front.

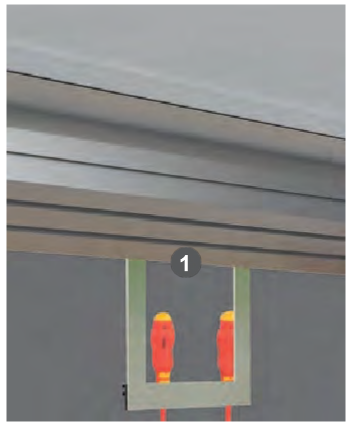


Figure 4: Connection option 1. table view from behind.

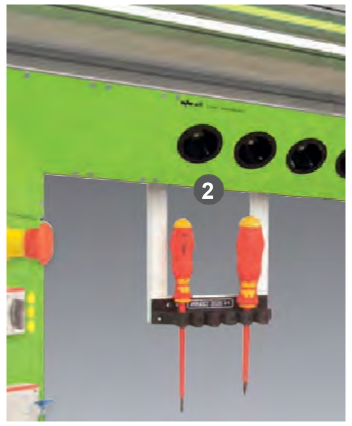


Figure 5: Connection option 2. table view from the front.

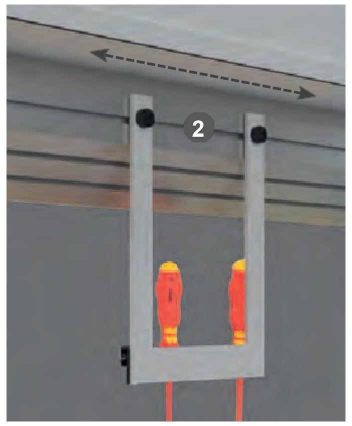
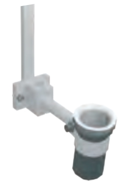


Figure 6: Connection option 2. table view from behind.



Cordless screwdriver holder
Size (W x D x H): 65 x 170 x 240 mm

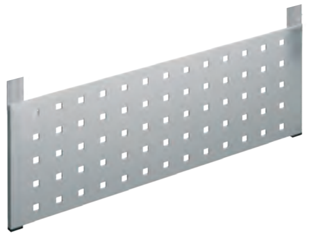
Connection / Order no.:
① ELCM.Z5.001
② ELCM.Z6.001

Soldering iron holder **Size** (W x D x H): 65 x 220 x 200 mm

Connection / Order no.:
① ELCM.Z5.002
② ELCM.Z6.002

Device platform **size** (W x D x H): 320 x 310 x 200 mm

Connection / Order no.:
① ELCM.Z5.003
② ELCM.Z6.003



Perforated metal panel **Size** (W x D x H): 540 x 10 x 200 mm

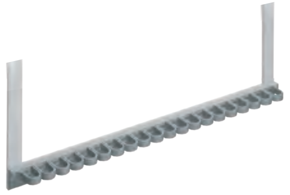
Connection / Order no:
① ELCM.Z5.004
② ELCM.Z6.004

Tablet holder
1 holder, suitable for all tablet sizes

Connection / Order no:
① ELCM.Z5.005
② ELCM.Z6.005

Tool holder ... with 5 holders **Size** (W x D x H): 150 x 50 x 200 mm

Connection / Order
① **no.:** ELCM.Z5.006
② ELCM.Z6.006



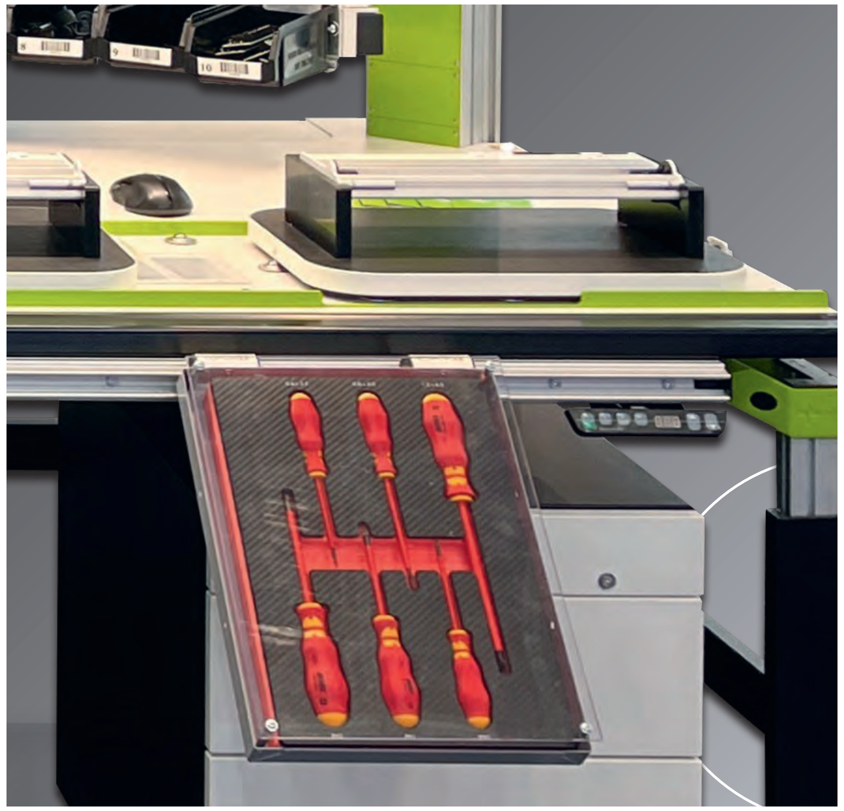
with 19 holders **Size** (W x D x H): 440 x 50 x 200 mm

Connection / Order
① **no.:** ELCM.Z5.007
② ELCM.Z6.007

Can holder **Size** (W x D x H):
550 x 110 x 210 mm
for spray cans Ø 55 mm

Connection / Order no:
① ELCM.Z5.008
② ELCM.Z6.008

Organizational elements for the assembly world



Movable tool tray

- Individually configurable
- Quick changeover yes according to workflow
- Clearly arranged
- Fast access
- Free work surface
- Ergonomic

Can be used as a tool holder or transportable work surface. Includes mounting rail under the table top, suspension profiles and tool tray.
Foam inserts with tools available on request.

The tool tray can be easily clipped in or out and can be moved across the entire width of the table.
Can be clipped in at an angle of 0 / 40 / 80°.
Material: sheet steel.

Fig.: Example sets of foam inserts with tools. These are available on request due to the individuality and application.

Mobile tool tray incl. profile rail, suspension profiles and shelf		
for table width	**Shelf size 1: 462 x 335 x 30 mm**	**Shelf size 2: 260 x 345 x 30mm**
1200 mm	ELH2.1200.1	ELH2.1200.2
1600 mm	ELH2.1600.1	ELH2.1600.2
1800 mm	ELH2.1800.1	ELH2.1800.2
2000 mm	ELH2.2000.1	ELH2.2000.2

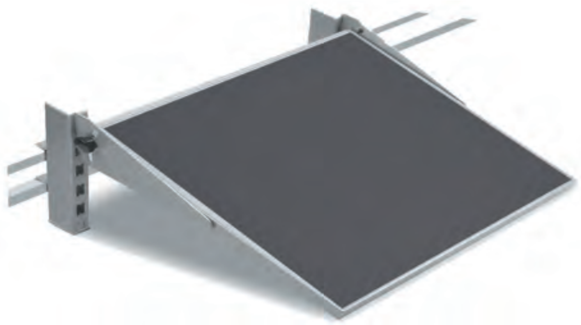
Ergonomic footrests

Footrest model 1 (non-conductive)

Color:	Black / chrome
Frame:	Chrome-plated on non-slip rubber feet
Footplate:	Stable, very easy to adjust by foot pressure
Height adjustment:	50-100 mm

Model 2 ESD (conductive)

Color:	Black
Base plate:	Ribbed surface
Height adjustment:	3 levels adjustable 6 / 9 / 12 cm
Conductive resistance:	Volume conductive plastic, Leakage resistance 10^3 Ω.



Model 3 (non-conductive, alternatively conductive)

Directly connected to the table, it adapts perfectly to the table system in terms of form and function.
Infinitely tiltable and horizontally adjustable

Height adjustment:	Height can be adjusted in increments be set
Leakage resistance:	10 MΩ

Ergonomic footrests		
Model	**non-conductive**	**ESD - conductive**
Model 1	ELCM.F11	ELCM.F12
Model 2	-	ELCM.F22
Model 3	ELCM.F31	ELCM.F32

Workbenches

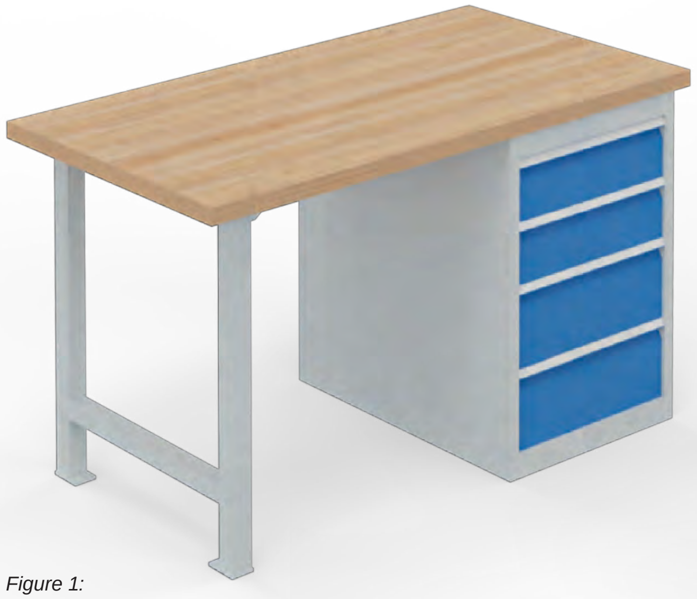


Figure 1:
Workbench consisting of 1 workbench leg,
1 steel pedestal and 1 beech multiplex board.

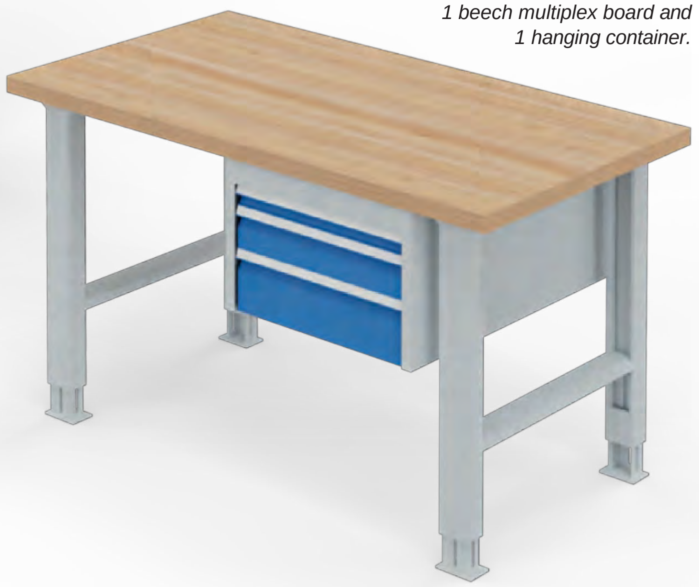
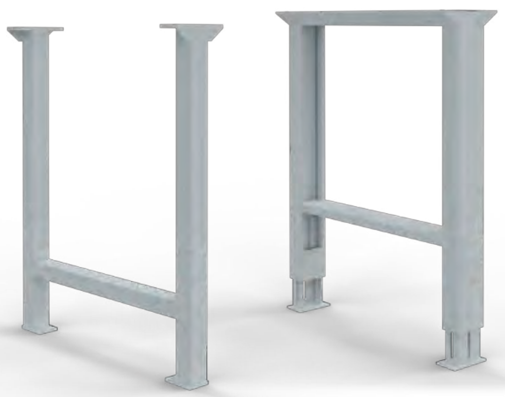
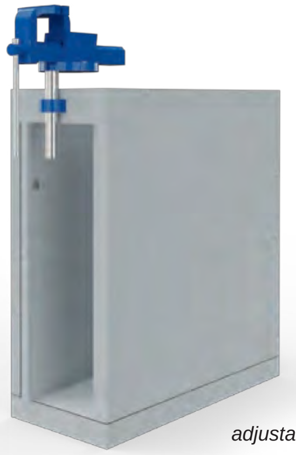


Figure 2:
Workbench consisting of
2 height-adjustable workbench legs,
1 beech multiplex board and
1 hanging container.

In-line and hexagonal workbenches
The workbenches can be configured as required. Workbench legs, base cabinet with folding lift and vice or Steel pedestals possible. The workbench top is available as a rectangle for row arrangement or as a hexagon for group workstations.





Note: Vice is height-adjustable and can be rotated 360°.

Row workbench foot

	Workbench foot 4-edged tube 50 x 50 x 2 mm	**Workbench foot height-adjustable** U-profile 75 x 40 mm
W x D x H	150 x 650 x 819 mm	150 x 650 x 719 - 1019 mm
Order no.	ELH3.0001	ELH3.0002

Base cabinet with folding lift and vice for workbenches (alternative to pedestal)

	suitable for workbench foot	
	Height 819 mm	**Height 719 mm**
W x D x H	312 x 726 x 819 mm	312 x 726 x 719 mm
Order no.	ELCM.0001	ELCM.0002

Beech multiplex board

Beech bar panel

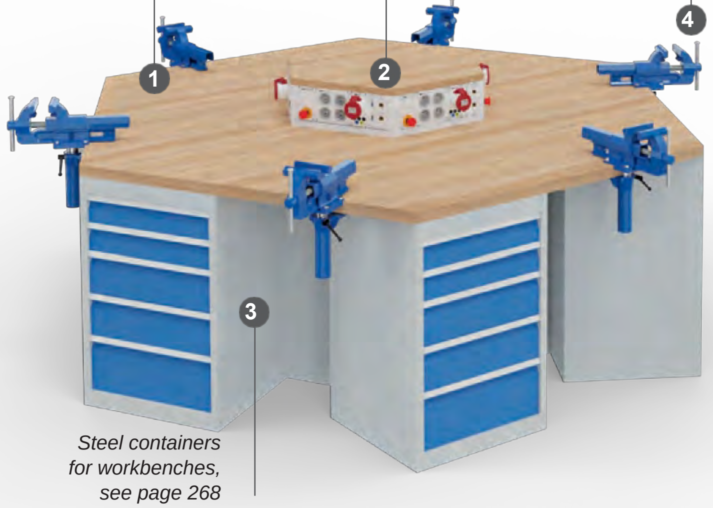
Workbench tops for row installation Beech multiplex, multilayer glued, thickness 40 mm. Cleanly sanded, impregnated and finished with coated with food-safe oil. Alternatively also available as a beech bar top.

Row workbench top

Execution	**Beech multiplex**		**Beech bar**	
	Size 1	**Size 2**	**Size 1**	**Size 2**
W x D x H	1500 x 750 x 40 mm	2000 x 750 x 40 mm	1500 x 750 x 40 mm	2000 x 750 x 40 mm
Order no.	ELH3.0005.M	ELH3.0006.M	ELH3.0005.R	ELH3.0006.R

Workbench top for hexagonal group workstations
Beech multiplex, multilayer glued, 40 mm thick. Cleanly sanded, impregnated and coated with life-safe oil. Alternatively also available as a beech bolt top. Front seat edge approx. 1250 mm.
Max. Container size for the hexagonal worktop 555 x 736 mm.
There is the option of mounting a 3 U hexagonal table superstructure on the workbench top for hexagonal group workstations.

3 U hexagonal table structure
The table structure can be freely configured.
Assembly capacity: 70 HP per side
Leg length: approx. 413 mm
Depth of work surface: approx. 720 mm



Hexagonal workbench top

Hexagonal table structure

Vice see page 270

Steel containers for workbenches, see page 268

Hexagonal workbench top

	Beech multiplex	**Beech bar**
W x D x H	2500 x 2165 x 40 mm	2500 x 2165 x 40 mm
Order no.	ELH3.0007.M	ELH3.0007.R

Hexagonal table structure 3 U

	Beech multiplex	**Beech bar**
W x D	825 x 715 mm	825 x 715 mm
Order no.	ELH3.0008.M	ELH3.0008.R

Steel containers for workbenches

Pedestal made of steel **Division grid:** 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 100 kg Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm Usable dimensions for size W x D: 555 x 736 mm: 450 x 600 mm Usable dimensions for size W x D: 705 x 736 mm: 600 x 600 mm **Decor:** Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard.
Other color variants available on request.

Steel pedestals

W x D x H	**Division** (front heights, from top to bottom)	Order no.
531 x 500 x 719 mm	5 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 200 mm	ELH3.0010
555 x 736 x 719 mm	5 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 200 mm	ELH3.0011
531 x 500 x 819 mm	5 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 300 mm	ELH3.0012
555 x 736 x 819 mm	5 drawers: 2x 75 mm, 1x 100 mm, 2x 125 mm, 1x 200 mm	ELH3.0013
705 x 736 x 1019 mm	6 drawers: 1x 75 mm, 1x 125 mm, 2x 150 mm, 2x 200 mm	ELH3.0014

Suspended container made of steel **Division grid:** 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 50 kg Usable dimensions for size W x D: 380 x 500 mm: 300 x 400 mm Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm **Decor:** Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard.
Other color variants available on request.

Steel hanging container

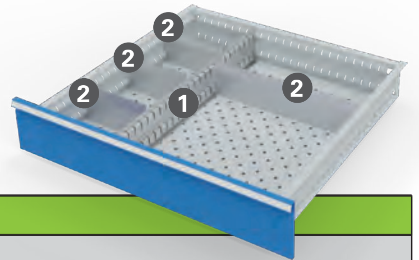
W x D x H	**Division** (front heights, from top to bottom)	Order no.
531 x 500 x 465 mm	Door 350 mm	ELH3.0020
380 x 500 x 215 mm	1 drawer: 1x 150 mm	ELH3.0021
531 x 500 x 215 mm	1 drawer: 1x 150 mm	ELH3.0022
380 x 500 x 365 mm	3 drawers: 3x 100 mm	ELH3.0023
531 x 500 x 365 mm	3 drawers: 3x 100 mm	ELH3.0024
380 x 500 x 365 mm	3 drawers: 2x 75 mm, 1x 150 mm	ELH3.0025
531 x 500 x 365 mm	3 drawers: 2x 75 mm, 1x 150 mm	ELH3.0026
380 x 500 x 465 mm	4 drawers: 4x 100 mm	ELH3.0027
531 x 500 x 465 mm	4 drawers: 4x 100 mm	ELH3.0028
380 x 500 x 465 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0029
531 x 500 x 465 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0030
380 x 500 x 565 mm	5 drawers: 5x 100 mm	ELH3.0031
531 x 500 x 565 mm	5 drawers: 5x 100 mm	ELH3.0032
380 x 500 x 565 mm	5 drawers: 2x 75 mm, 2x 100 mm, 1x 150 mm	ELH3.0033
531 x 500 x 565 mm	5 drawers: 2x 75 mm, 2x 100 mm, 1x 150 mm	ELH3.0034

Roll container made of steel

Division grid: 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 100 kg Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm
Castors: 4x swivel castors, Ø 80 mm,
2 of which are detectable
Decor: Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard.
Other color variants available on request.

Steel roller container

W x D x H	**Division** (front heights, from top to bottom)	Order no.
531 x 500 x 625 mm	4 drawers: 4x 100 mm	ELH3.0040
531 x 500 x 625 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0041



Partitioning material for drawers

① Center drawer runners for drawers

Drawer front height	**Center rail** in 50 mm grid		
	Useful dimension 400 mm	**Useful dimension 450 mm**	**Useful dimension 600 mm**
75 mm	ELH3.4075	ELH3.4575	ELH3.6075
100 mm	ELH3.4010	ELH3.4510	ELH3.6010
150 mm	ELH3.4015	-	-

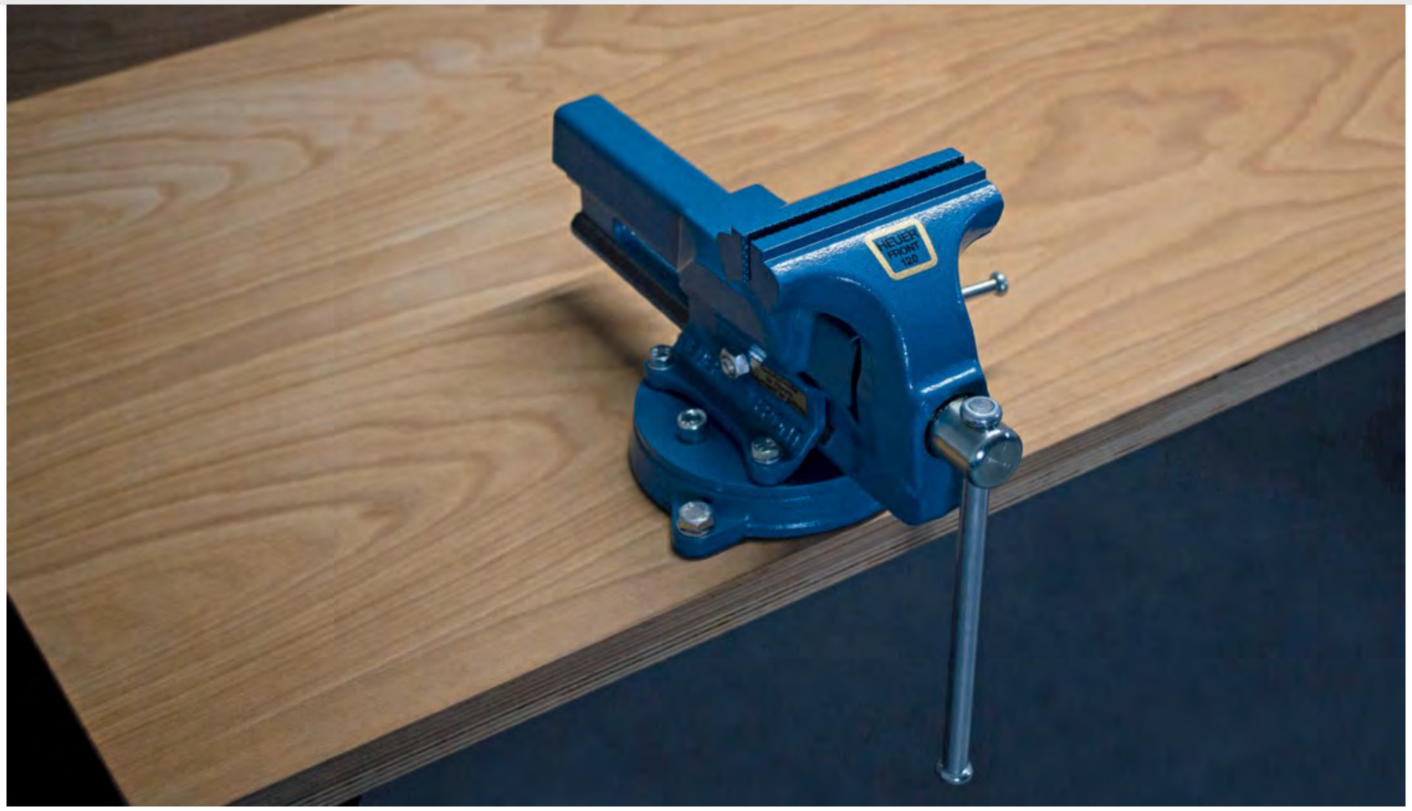
② divider for drawers

Drawer front height	**Partition** to slide in between outer wall / middle shelf rail or 2 middle shelf rails				
	100 mm	**150 mm**	**200 mm**	**250 mm**	**300 mm**
75 mm	ELH3.1075	ELH3.1575	ELH3.2075	-	ELH3.3075
100 mm	ELH3.1010	ELH3.1510	ELH3.2010	-	ELH3.3010
150 mm	ELH3.1015	ELH3.1515	ELH3.2015	ELH3.2515	ELH3.3015
200 / 250 / 300 mm	ELH3.1020	ELH3.1520	ELH3.2020	ELH3.2520	ELH3.3020

Divider sets for drawers (consisting of middle shelf rails 1 and metal dividers 2)

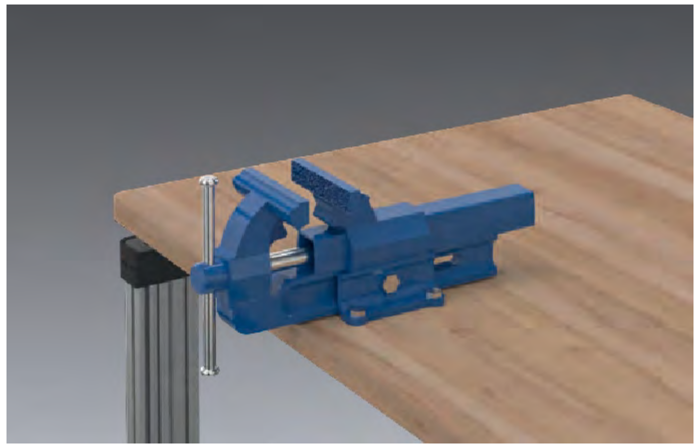
Drawer front height	**for drawer size 450 x 400 mm**		**for drawer size 450 x 600 mm**	
	Set 1, 8-piece Center compartment: 2 x 400 mm Partition wall: 6 x 150 mm	**Set 2, 15-piece:** Center compartment: 3 x 400 mm Partition wall: 9 x 100 mm, 3 x 150 mm	**Set 3, 10-piece** Center compartment: 2 x 600 mm Partition wall: 3 x 100 mm, 2 x 150 mm, 3 x 200 mm	**Set 4, 25-piece** Center compartment: 4 x 600 mm Partition wall: 5 x 50 mm, 16 x 100 mm
75 mm	ELH3.4075.S1	ELH3.4075.S2	ELH3.6075.S3	ELH3.6075.S4
100 mm	ELH3.4010.S1	ELH3.4010.S2	ELH3.6010.S3	ELH3.6010.S4
150 mm	ELH3.4015.S1	ELH3.4015.S2	ELH3.6015.S3	ELH3.6015.S4
200 mm	ELH3.4020.S1	ELH3.4020.S2	ELH3.6020.S3	-

Parallel vises

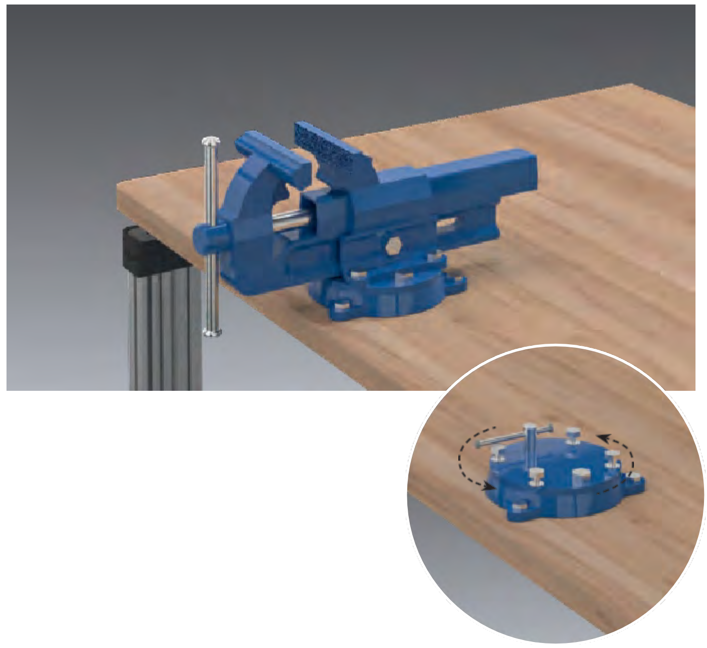


Parallel vice
Forged from steel, robust and unbreakable. Very precise clamping possible. Spindle wrench with riveted steel circlips.
Surface-hardened clamping jaws and forged pipe clamping jaws.

High, optimally distributed clamping force thanks to centrally arranged, well-protected spindle with double-running trapezoidal thread for fast opening and closing.

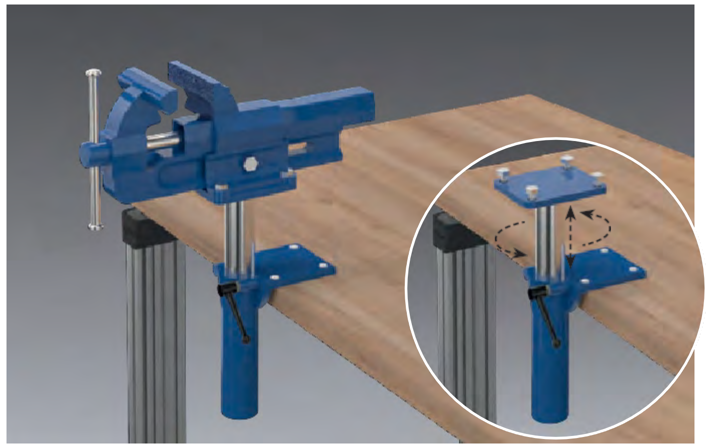


Parallel vice					
Jaw width	**Span**	**Clamping depth**	**Clamping range for pipes**	**Weight**	**Order no.**
100 mm	125 mm	50 mm	Ø 16 - 30 mm	4.5 kg	ELH4.100.1
120mm	150 mm	65 mm	Ø 16 - 55 mm	9.0 kg	ELH4.120.1
140 mm	200 mm	80 mm	Ø 27 - 70 mm	16.0 kg	ELH4.140.1
160 mm	225 mm	100 mm	Ø 27 - 100 mm	27.0 kg	ELH4.160.1
180 mm	225 mm	100 mm	Ø 10 - 27 mm	29.0 kg	ELH4.180.1



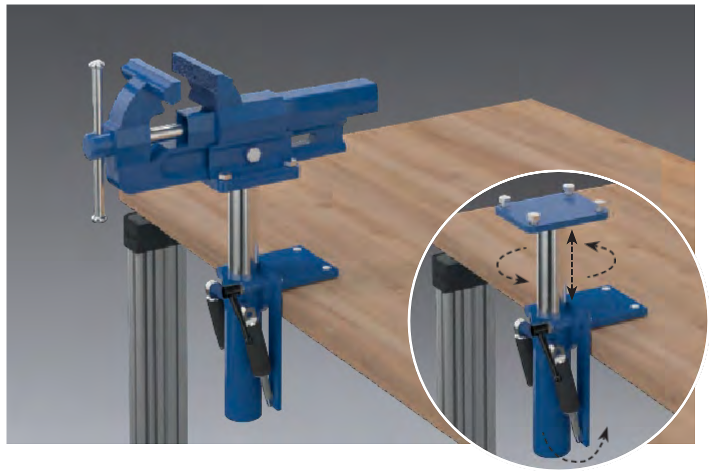
Turntable for parallel vice
Rotates 360°.

Turntable for parallel vice		
for jaw width	**Weight**	**Order no.**
100 mm	1.8 kg	ELH4.100.2
120mm	2.5 kg	ELH4.120.2
140 mm	5.0 kg	ELH4.140.2
160 mm	7.5 kg	ELH4.160.2
180 mm	7.5 kg	ELH4.180.2



Automatic height adjuster for parallel vice
Infinitely height-adjustable up to 200 mm using a clamping lever and gas pressure spring. Rotates through 360°. Weight: 10 kg.

Automatic height adjuster for parallel vice		
for jaw width	**Permissible load**	**Order no.**
100 mm	4 - 10 mm	ELH4.100.3
120 mm	4 - 10 mm	ELH4.120.3
140 mm	10 - 16 mm	ELH4.140.3
160 mm	16 - 29 mm	ELH4.160.3
180 mm	16 - 29 mm	ELH4.180.3



Folding lift for parallel vice
Fold, lift, turn.
The folding lift can be adjusted in height by 175 mm and rotated through 360°.
Weight: approx. 14 kg.

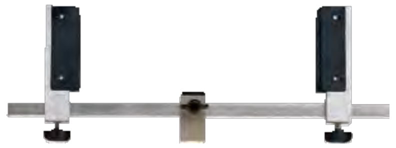
Folding lift for parallel vice		
for jaw width	**Permissible load**	**Order no.**
120 mm	4 - 10 kg	ELH4.120.4
140 mm	10 - 16 kg	ELH4.140.4

Spannfix articulated vices

Spannfix articulated vices
The clamping vice can be configured with various components to suit the respective application. It can be easily mounted on any work table.

Screw head
Technical data:
Clamping pressure: 150 kp
Clamping depth: 38 mm
Clamping width: 70 mm
Weight: 0.56 kg
Jaw width: 50 mm
Jaws: Plastic

Order no.: ELH3.001

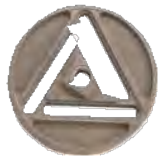


Board holder
Adjustable clamping width, can be extended at any time. Work-friendly clamping by adjusting the center position, touch-safe mounting, firm clamping of the printed circuit board due to built-in spring suspension in the mounting bars. Weight: 0.28 kg.

Order no.: ELH3.002

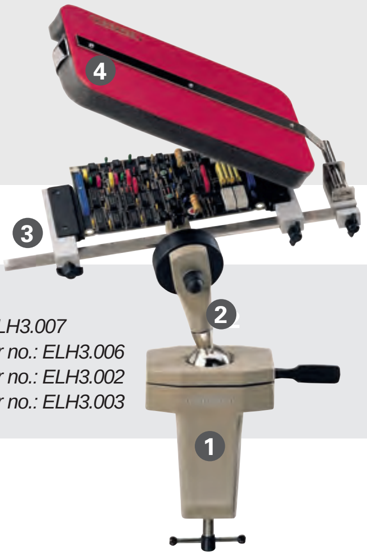
Cover plate for equipped frames
For use in conjunction with the circuit board holder. Covered with 20 mm foam. Components of different sizes are pressed on so that soldering is possible after turning.
Weight: 0.26 kg Size: 240 x 130 mm

Order no.: ELH3.003



Universal clamping plate
Slots designed for common standard screws for building prototypes or for holding e.g. tuners, line transformers, loudspeakers etc. Weight: 0.12 kg.

Order no.: ELH3.004



Ordering example, fig. right:
*1. **Spannfix foot** with ball joint order no.: ELH3.007*
*2. **Quick turning device** Order no.: ELH3.006*
*3. **Circuit board holder** Order no.: ELH3.002*
*4. **Cover plate** Bracket Order no.: ELH3.003*

Angle adapter
Can be used as an accessory with any work head. Enables an even wider turning circle. Weight: 0.095 kg.

Order no.: ELH3.005

Quick turning device
With permanently attached angle adapter. Enables lightning-fast rotation of the PCB holder with PCB and cover plate by 180°. Weight: 0.27 kg.

Order no.: ELH3.006

Spannfix foot with ball joint
With table clamp attachment for screwing to worktables with a max. worktop thickness of 80 mm.
Weight: 0.95 kg.

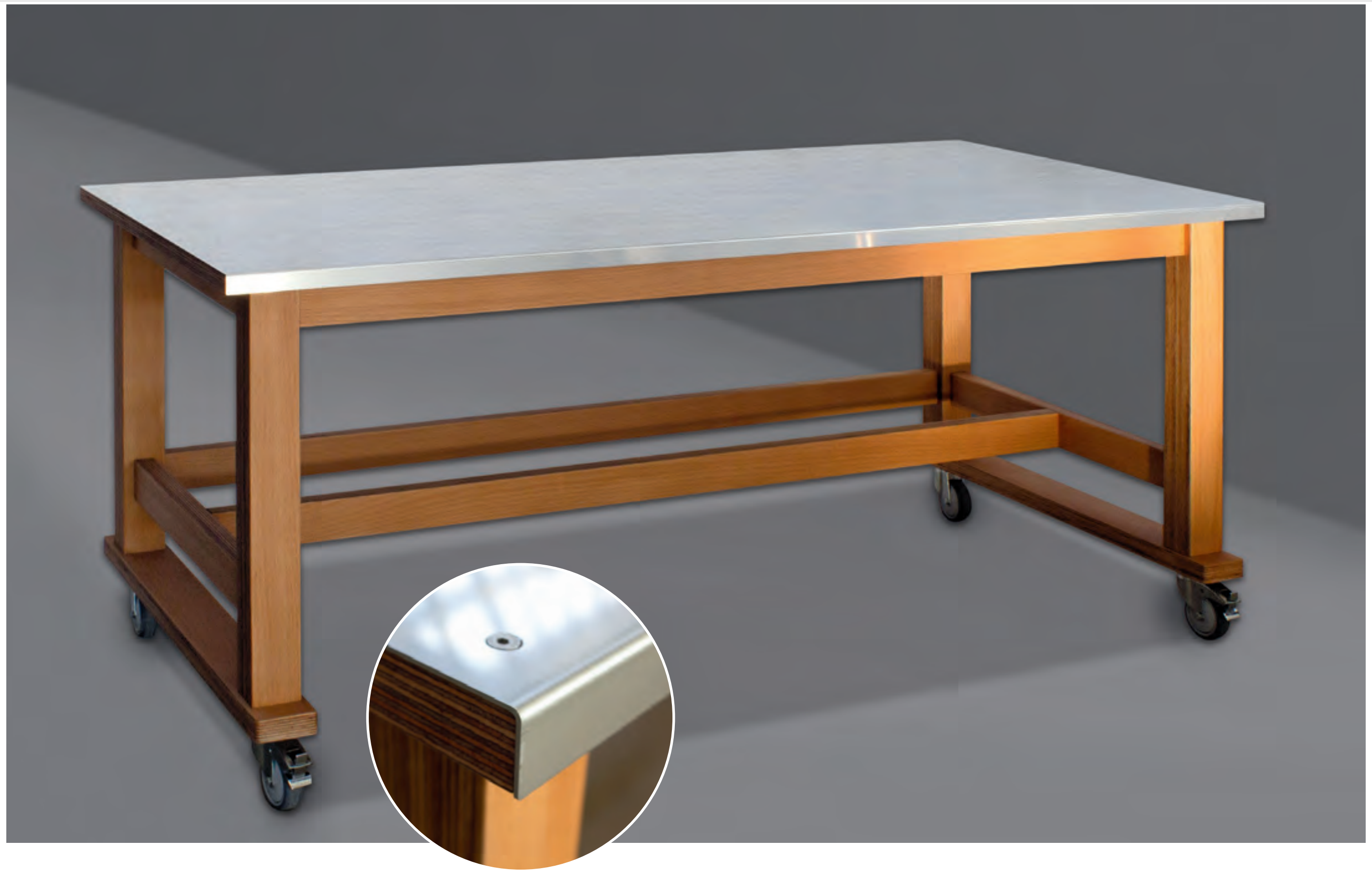
Order no.: ELH3.007

Spannfix suction foot with ball joint
With threaded pin M12 x 1.5 for fixed mounting on suction base.
Base plate size: 150 x 105 mm, weight: 0.80 kg.

Spannfix suction foot to be attached to the worktop via toggle lever. Weight: 0.65 kg

Order no.: ELH3.008

EMC tables / EMC workbenches



EMC table
The electromagnetically compatible table is made entirely of wood for use in EMC laboratories.

Table top: beech multiplex, 30 mm thick.

Frame: Sturdy wooden construction without metal components and connecting elements.

The table is available with or without a mobile frame / castors. 2 of the castors are lockable.

Optional equipment

Stainless steel plate: Alternatively, the EMC table can also be fitted with a stainless steel plate (natural).

Technical properties: V2A, 2 mm thick, not ground, rounded at the front.
Fastening: Screw connection on the top.

Order no. Stainless steel plate: ELCM.EP

EMC table		
Table size (W x D x H)	**without chassis**	**with mobile frame**
1.600 x 600 x 780 mm	EMC.1661	EMV.1661.F
1.600 x 850 x 780 mm	EMV.1681	EMV.1681.F
1,600 x 1,000 x 780 mm	EMC.1611	EMV.1611.F
1.800 x 600 x 780 mm	EMV.1861	EMV.1861.F
1.800 x 850 x 780 mm	EMV.1881	EMV.1881.F
1,800 x 1,000 x 780 mm	EMC.1811	EMV.1811.F
2.000 x 600 x 780 mm	EMV.2061	EMV.2061.F
2.000 x 850 x 780 mm	EMV.2081	EMV.2081.F
2,000 x 1,000 x 780 mm	EMV.2011	EMV.2011.F

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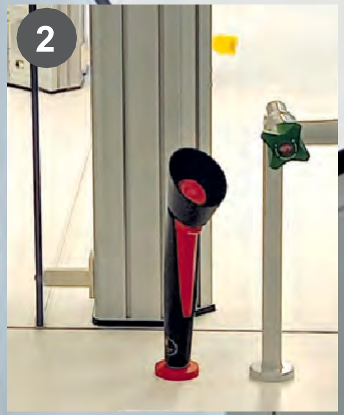
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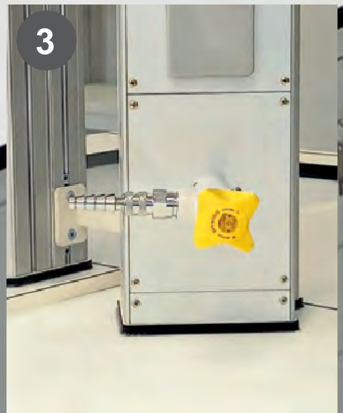
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4

elneos® Wet labs

Base tables for wet laboratories, height always 900 mm

			Table top each with beaded edge	
Length	**Depth**	**Substructure**	**Trespa 20 / 27 mm**	**Composite ceramic 30 / 37 mm**
1,200 mm	750 mm	1 hinged door cupboard, 1040 mm wide	ELCN.1.1271	ELCN.1.1272
1,600 mm	750 mm	1 drawer cabinet, 620 mm wide 1 hinged door cupboard, 900 mm wide	ELCN.1.1671	ELCN.1.1672
1,800 mm	750 mm	1 drawer cabinet, 620 mm wide 1 hinged door cupboard, 1,100 mm wide	ELCN.1.1871	ELCN.1.1872
2,000 mm	850 mm	2 drawer cabinets, 620 mm wide 1 hinged door cupboard, 680 mm wide	ELCN.1.2071	ELCN.1.2072

System components for wet laboratories

Base tables for wet laboratories
Frame: Seamless and completely welded steel frame (40/40 mm). Cleanly ground, without visible weld seam, powder-coated. Height incl. table top always 900 mm.
Properties: Very good chemical resistance to acids and alkalis, even after prolonged exposure.

Table tops: Always with 30 mm overhang. **Trespa with beaded edge:** Phenolic resin solid core board.
Decor: Light gray, white.
Bead edge: Epoxy resin bonded with epoxy resin.
Thickness: 20 / 27 mm (beaded edge: 7 mm).

Composite ceramic with expoxy bead: Glazed laboratory tiles. Core board E1, melamine resin-coated on both sides in accordance with DIN 68761.
Decor: white (similar to RAL 9010). **Properties:** Resistant to alkalis and acids with epoxy resin grouting.
Bead edge: Epoxy resin.
Thickness: 30/37 (beaded edge 7 mm).

Base units
Drawer cabinet: W: 620 x D: 580 x H: 830 mm. Drawer division: 3x 3 U, 2x 2 U, made of steel, fully organizable. Usable depth 490 mm.
Hinged door wardrobe:
Variable width, depending on table width.
D: 580 x H: 830 mm, with 2 hinged doors, lockable, 2 adjustable shelves, 12 mm rear panel.
Decor: Light gray, non-conductive.
Handle: Shell handle
Base: 150 mm high for media routing.

Extension of basic tables for wet laboratories
The base tables of the wet laboratories can be extended using an adapter plate to accommodate Expand profiles 1 or 2 and storage shelves. See from page 92 (L-profile) and from page 129 (Expand profile 2).

Additional options - available on request!

① **Washbasin:** Polypropylene basin 400 x 400 x 250 mm incl. accessories. Stand mixer for was-(WTK/WTW), hot and cold drinking water, with swivel spout. Connection thread 1/2" A. Height 300 mm. Optionally available with a demineralized water fitting.

② **Eye shower:** Hand-held eye shower for table mounting.

③ **Propane gas fitting for the expansion duct 2:** *acto* appliance series® . Insert plate 113 mm high, 28 TE wide. Device front: Anodized aluminium plate. Passage fitting, type 25304198131-40, UniFlex A50 quick coupling, gas plug-in nozzle, LPG media code, incl. elbow and Uniflex hose, 1000 mm long.

④ **Waste garbage can:** Folding waste garbage can for integration into a base unit, approx. 500 mm wide.

Splash guard made of Makrolon
Approx. 8 mm thick, variable height. Mounting via bracket on the back.

Digistorium / bench-top fume cupboard: With rear wall installation, support beam technology and "roller-free" flow in the interior. **Available sizes:** Width: 1200 / 1500 / 1800 / 2100 mm, depth 900 mm, height incl. substructure 2700 mm, working height: 900 mm.

Storage shelves for wet laboratories
Material: Trespa, 19 mm. Also available with functional profile. See page 104.

Storage shelves for wet laboratories

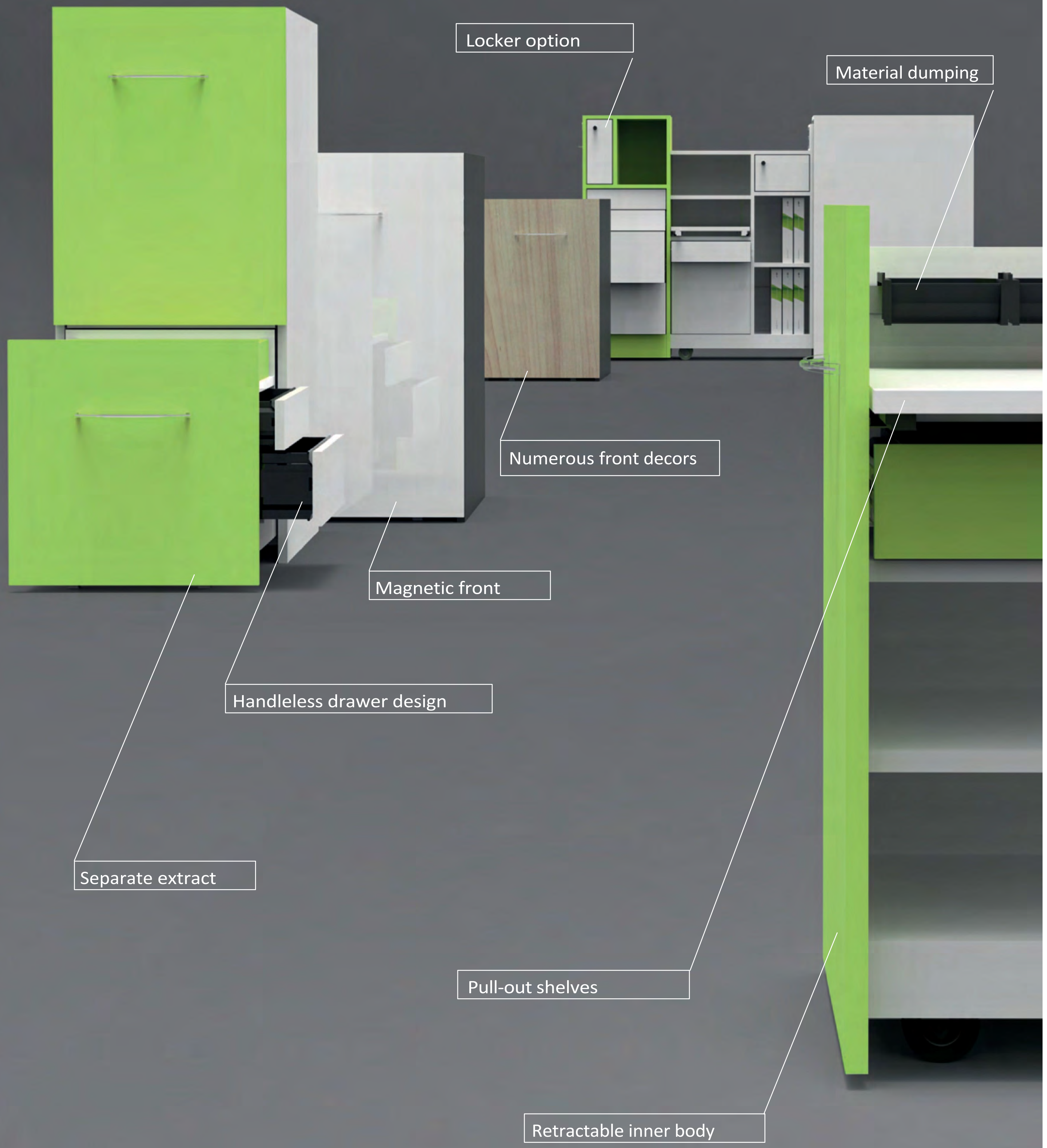
Length	Depth	with substructure profile	without substructure profile
1,200 mm	270 mm	ELCN.3.1.1221	ELCN.3.2.1221
1,600 mm	270 mm	ELCN.3.1.1621	ELCN.3.2.1621
1,800 mm	270 mm	ELCN.3.1.1821	ELCN.3.2.1821
2,000 mm	270 mm	ELCN.3.1.2021	ELCN.3.2.2021

elneos® orgatower

the worktime experience

Wide range of model variants 278
Outer body and interior 286
Front decors for front white carcase 288
Front decors for graphite black carcase 289
Standard equipment 291
Special equipment 293
Order configuration 296
orgatower - small 297
orgatower - medium 301
orgatower - large 305

Wide range of model variants


Locker option
Material dumping
Numerous front decors
Magnetic front
Handleless drawer design
Separate extract
Pull-out shelves
Retractable inner body

elneos® orgatower

the worktime experience

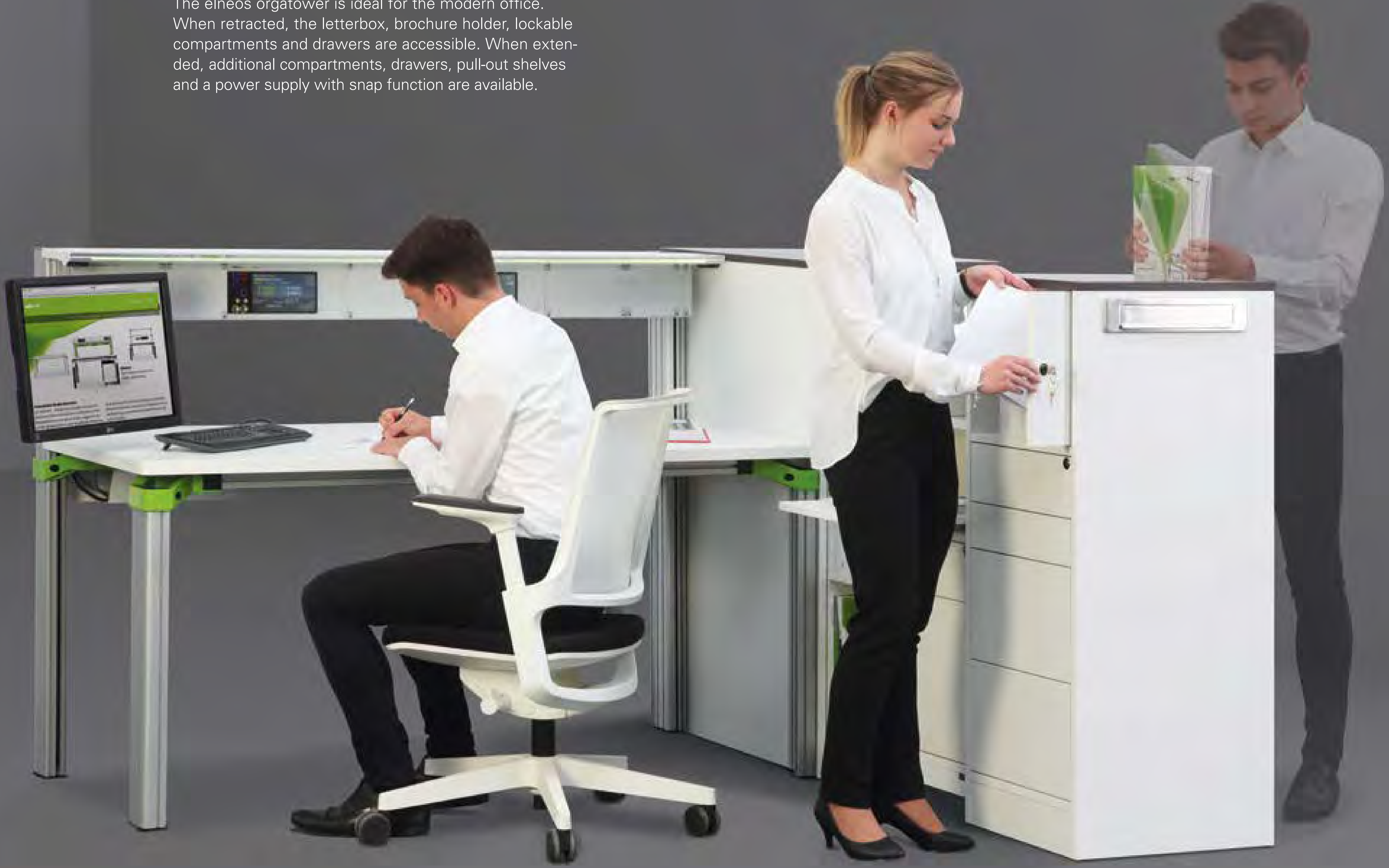
The models in our new *elneos orgatower* series are flexible and modular organizational talents for all technical and commercial professions. They meet all requirements in the industrial and training sectors in equal measure.

The *elneos orgatower* extends the workstation with additional storage space and enables flexible use thanks to functional units. The *elneos orgatower* can be installed either on the left or to the right of the workstation. Some models also offer free use from both sides.

Flexible and compact

the worktime experience

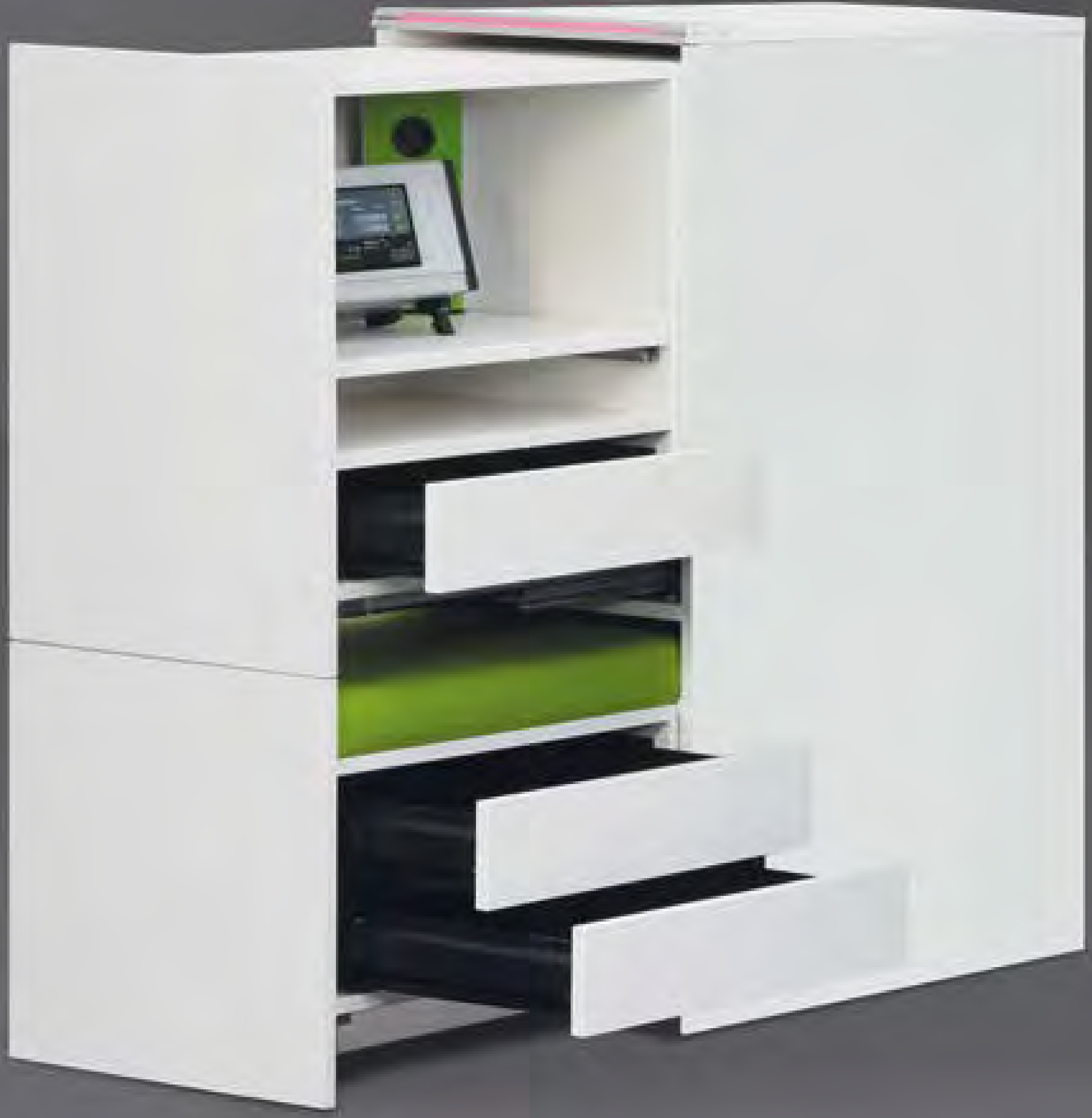
The elneos orgatower is ideal for the modern office. When retracted, the letterbox, brochure holder, lockable compartments and drawers are accessible. When extended, additional compartments, drawers, pull-out shelves and a power supply with snap function are available.



Note: The models shown
may include optional extras.

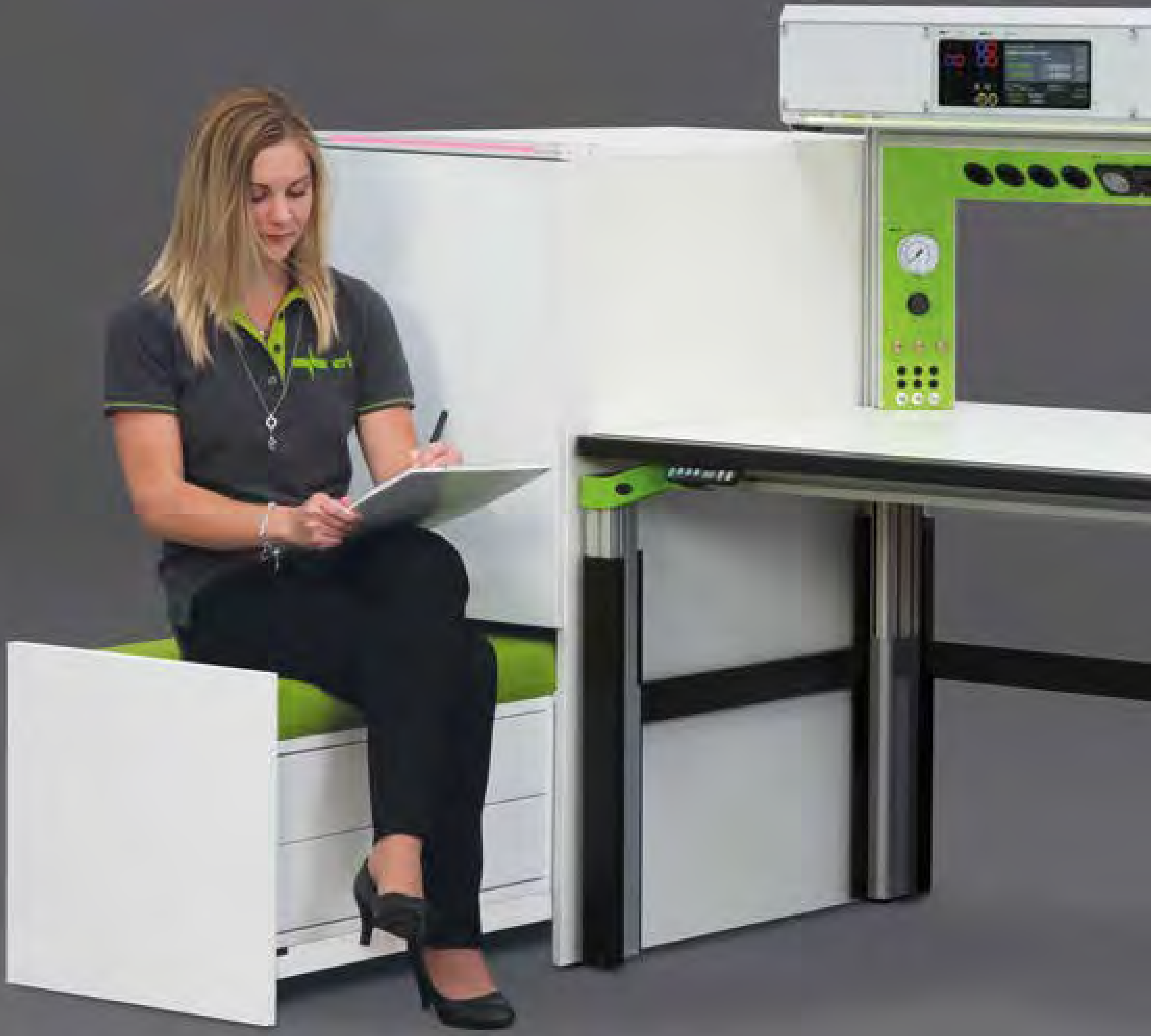
Versatile and mobile

the worktime experience



Note: The models shown
may include optional extras.

This model offers different possibilities of use due to its two-part body. The seat offers a space for meetings and can be used with the upper part of the body retracted. The integral indication light signals whether the body is open or closed.



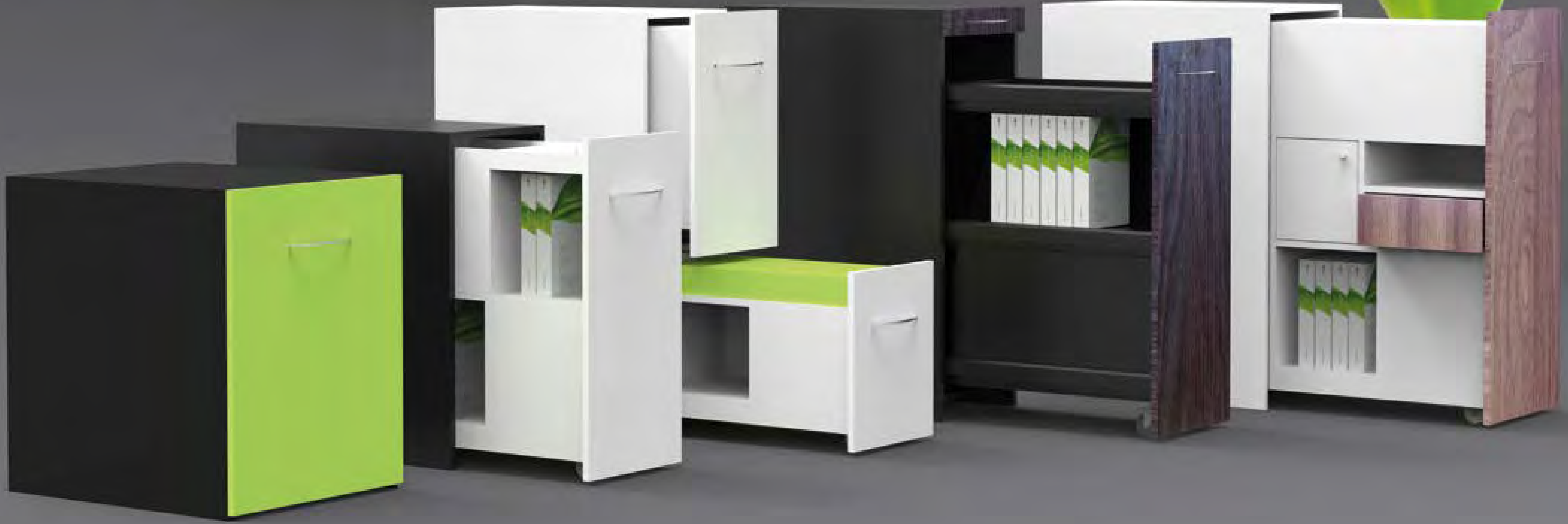
elneos® orgatower

the worktime experience

The models of the new series elneos orgatower are real organizational wonders. The interior of the cabinets can be retracted and extended manually or by electric motor as a flexible cabinet element. In the retracted state, the objects are safely stored and in the extended state freely accessible. The organisational units allow flexible use and, though electrification, various devices can be connected.

The features at a glance

- Lockable cabinet fronts and drawers
- Internal organization freely configurable
- Support rail for material chutes
- Touch-to-open drawer opening function
- Numerous front decors to match the outer body
- Recordings for DINA4 didactic teaching aids
- Electrification through internal profile technology
- Magnetic front as pinboard function
- Acoustic surfaces for sound insulation
- Electronic locking system with remote control
- Indication light for status display open-closed
- Twintower for use on both sides
- And much more



Outer corpus and inner body

Colours of the outer corpus
The outer corpus of the elneos orgatower is available in front white and graphite black. The colour of the outer body is coupled with the choice of a front decor. The combination of the front decors with two exterior body colours is shown on the following pages.

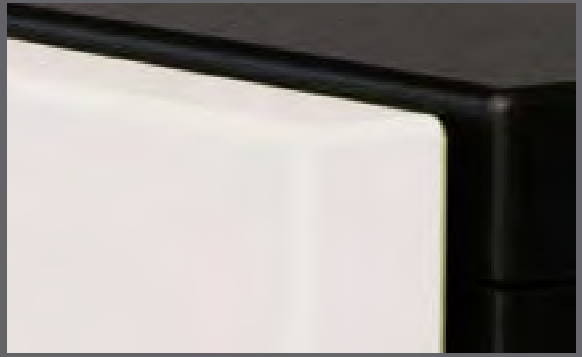
The front decors with order numbers ELCOD1 to ELCOD10 are available for the outer body in front white and the front decors with order numbers ELCOD11 to ELCOD20 are available for the outer body in graphite black.

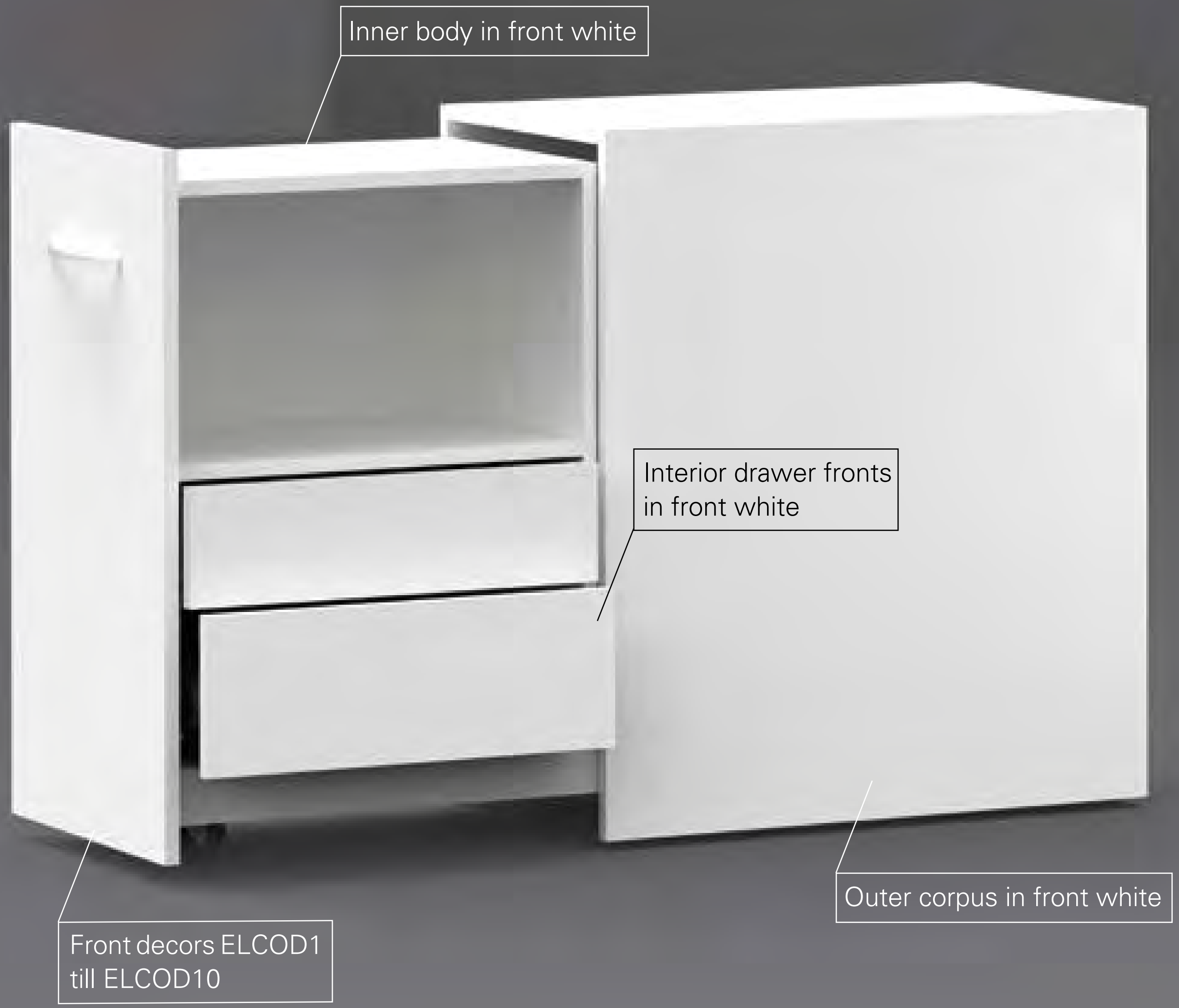
Inner life and inner body
The inner body with all internal parts such as drawers, drawer fronts, side walls, shelves and pull-outs is always equipped with front white decor as standard. The internal drawer fronts can also be ordered in the selected front decor as an option.

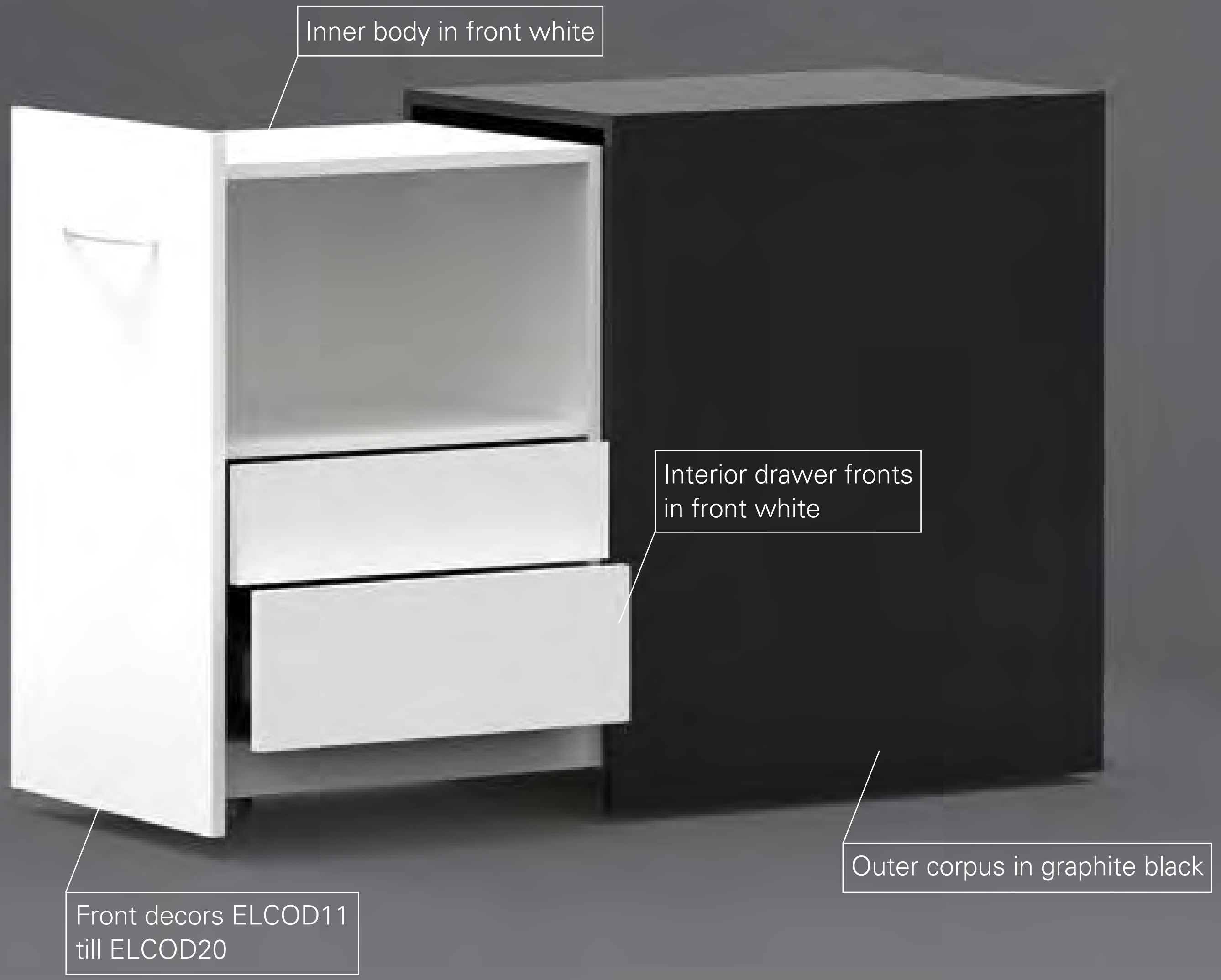
All order options for the elneos orgatower can be found on the following pages. The ordering process is explained in detail on page 296.

Laser-edge technology for all decors
Due to a new laser technology for edge fusion, we offer incomparable quality for all wood elements. All decors have a jointless connection with a permanent connection.

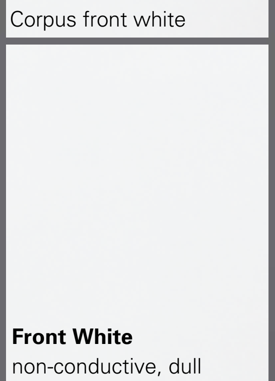
The fusion of edge and panel increases the heat resistance as well as the moisture resistance of the components.
The colour of the material layer is exactly matched to the decorative layer and the result is a visual effect that of a full material. The laser edge technology has a special hardness of the material layer and the rubbing out of the joint in everyday life is prevented – dirt joints are a matter of the past.


All joints of the decors in laser-edge technology


Inner body in front white
Interior drawer fronts in front white
Outer corpus in front white
Front decors ELCOD1 till ELCOD10

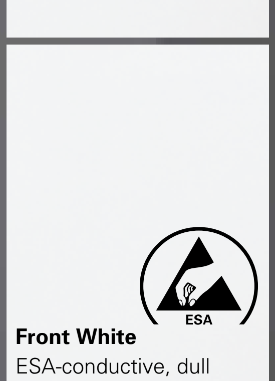

Inner body in front white
Interior drawer fronts in front white
Outer corpus in graphite black
Front decors ELCOD11 till ELCOD20

Front decors for front white corpus


Corpus front white

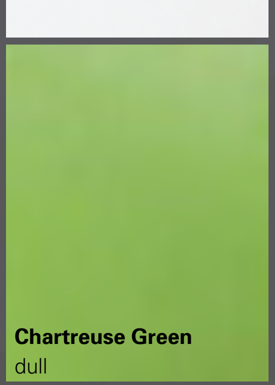
Front White
non-conductive, dull

Order no.: ELCOD1

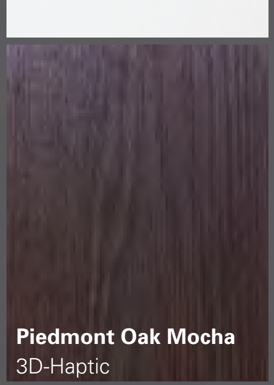


Front White
ESA-conductive, dull

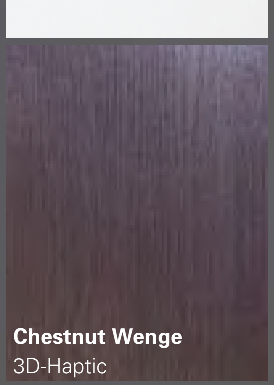
Order no.: ELCOD2


Chartreuse Green
dull

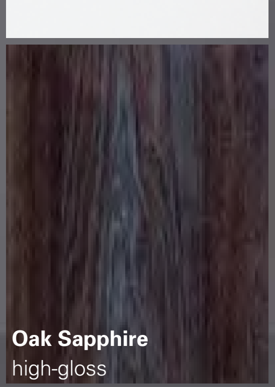
Order no.: ELCOD3


Piedmont Oak Mocha
3D-Haptic

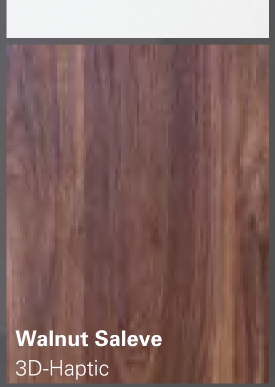
Order no.: ELCOD4


Chestnut Wenge
3D-Haptic

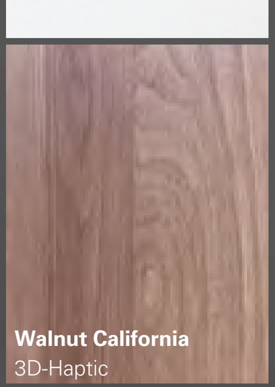
Order no.: ELCOD5


Oak Sapphire
high-gloss

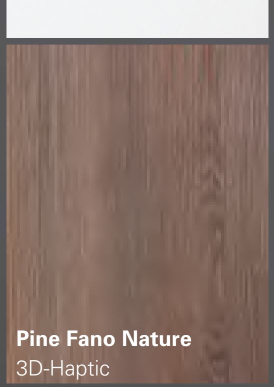
Order no.: ELCOD6


Walnut Saleve
3D-Haptic

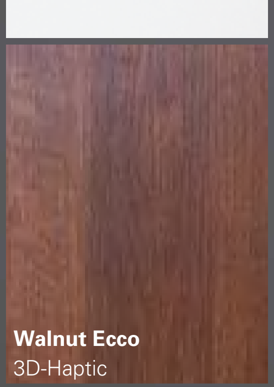
Order no.: ELCOD7


Walnut California
3D-Haptic

Order no.: ELCOD8


Pine Fano Nature
3D-Haptic

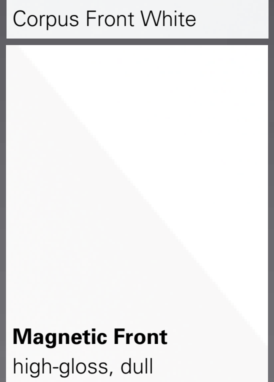
Order no.: ELCOD9


Walnut Ecco
3D-Haptic

Order no.: ELCOD10

The front decors of the elneos orgatower
The decors offer a variety of possibilities to set specific accents. If you have decided for a front decor, you can optionally order the interior drawer fronts in the same decor. With decor ELCOD1, ELCOD2 and ELCOD11, its drawer fronts are always front white.

The special decor „Magnetic Front“
This special decor offers a magnetic pinboard function. Plans, notes etc. can be attached to the front of the orgatower with magnets. The decor is high-gloss and can be combined with a front white or graphite black body. Even if you choose an ESD-conductive version, this special decor can be used for the front.


Corpus Front White

Magnetic Front
high-gloss, dull

Order no.: ELCOD21
Order no.: ELCOD22 (ESA)

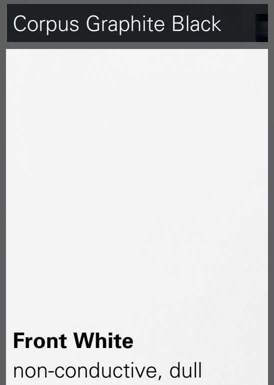
Corpus Graphite Black

Magnetic Front
high-gloss, dull

Order no.: ELCOD23

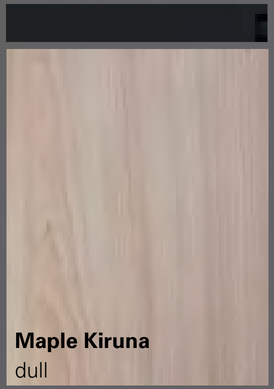
Note: The decor representation on the monitor or in the print version may differ from the original decor.

Front decors for graphite black corpus

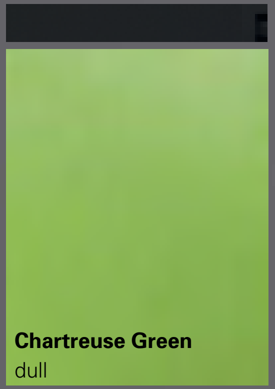

Corpus Graphite Black

Front White
non-conductive, dull

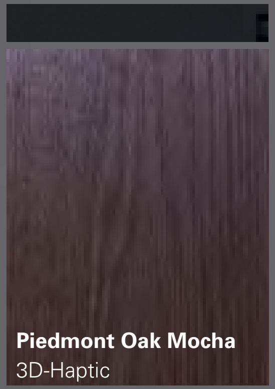
Order no.: ELCOD11


Maple Kiruna
dull

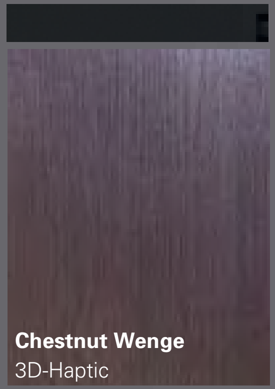
Order no.: ELCOD12


Chartreuse Green
dull

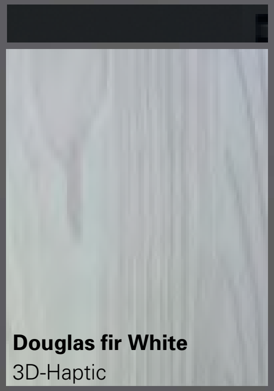
Order no.: ELCOD13


Piedmont Oak Mocha
3D-Haptic

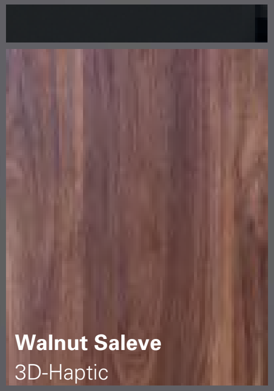
Order no.: ELCOD14


Chestnut Wenge
3D-Haptic

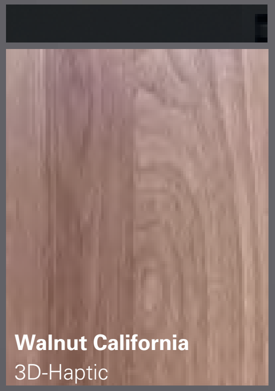
Order no.: ELCOD15


Douglas fir White
3D-Haptic

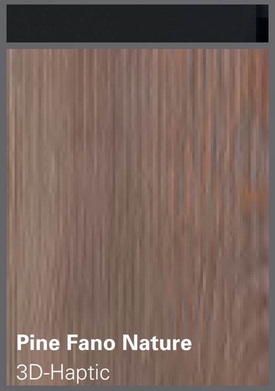
Order no.: ELCOD16


Walnut Saleve
3D-Haptic

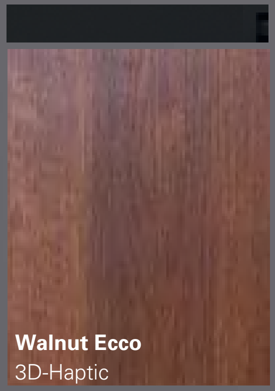
Order no.: ELCOD17


Walnut California
3D-Haptic

Order no.: ELCOD18

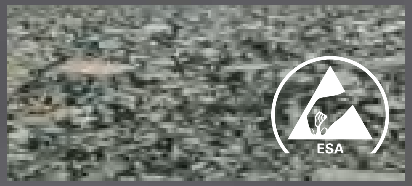

Pine Fano Nature
3D-Haptic

Order no.: ELCOD19


Walnut Ecco
3D-Haptic

Order no.: ELCOD20

Cross-section raw chip



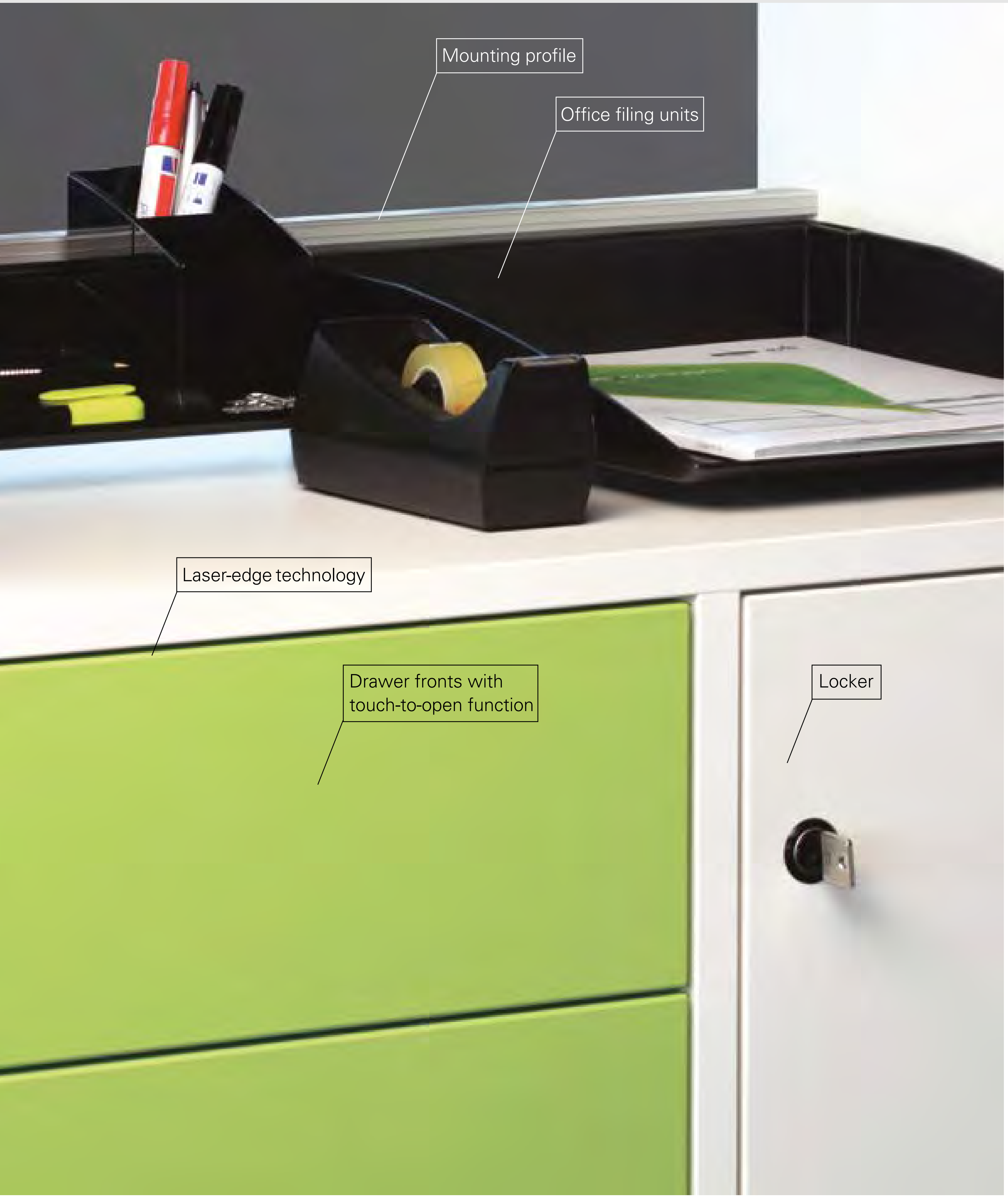
Cross-section raw chip ESA, conductive

Standard plate material
The core of the panel material consists of raw chipboard and meets the technical standards of DIN.

Technical data: Raw chipboard, chipboard with fine chipboard top layer according to DIN EN 312 CE. The board is coated on both sides with melamine resin.
Chemical resistance: against organic solutions medium, weak acids and alkalis, petrol, oil.
Bulk density: approx. 620 kg/m^3

ESA-conductive plate material
With this material, the entire outer body, the inner body and all drawers are manufactured in ESD design (front decor Order no.: ELCOD11). The models also have metal height adjusters and a socket for safe earthing.

Technical data: ESA raw chipboard, electrostatically conductive raw chipboard with fine chipboard surface layer in accordance with DIN 61340-5 Parts 1 and 2 (volume-conductive). The plate is coated on both sides with a conductive melamine resin coating.
Chemical resistance: against organic solvents medium, weak acids and alkalis, petrol, oil.
Contact resistance: R_D 1x10^4 till 1x10^9 Ohm
Bulk density: approx. 620 kg/m^3



Standard equipment

Standard equipment of the models
Each model offers different possibilities. For example, in model 1, the shelves are equipped with and model 58 offers a wide range of special function a lockable mailbox.

Hanging files and drawers

The devices for hanging files are generally included if the drawer height is 6 U (models 45, 48, 59).
All internal drawers are fully organisable and can be opened via touch-to-open.

Mounting profiles

The mounting profiles and rails for material trays or office filing elements are ready for use configured set (models 4, 29, 30, 45).

Shelves with grooved mats

For space-saving and safe storage of DINA4 didactic teaching aids, these shelves are equipped with grooved mats (models 1, 2, 20, 21, 40, 41).

Letter slot and brochure holder

For internal mail, Model 58 offers a mail slot combined with a lockable subject. In addition, this model offers a holder for magazines or brochures.

Valuable compartment with lock

Some models have a lockable compartment for storing important documents (models 45, 46, 47, 48, 58).

Manual locking

All models can be closed manually as standard (Soft-close) and locked with a lock. Twintowers are equipped with two locks. Electronic central locking is available as an option (optional extra on page 24-27).

Electrification

Some models offer electrification via the Expand 2 aluminium profile with shockproof sockets and RJ45 sockets (7, 27, 45, 50, 51, 52, 53, 54, 58).

Brush strip and cable gland

The brush strip and the cable outlet in the shelf allows cables to pass through. This allows devices to be connected even when on different levels. (models 7, 27, 28, 50, 52).

Seat cushion

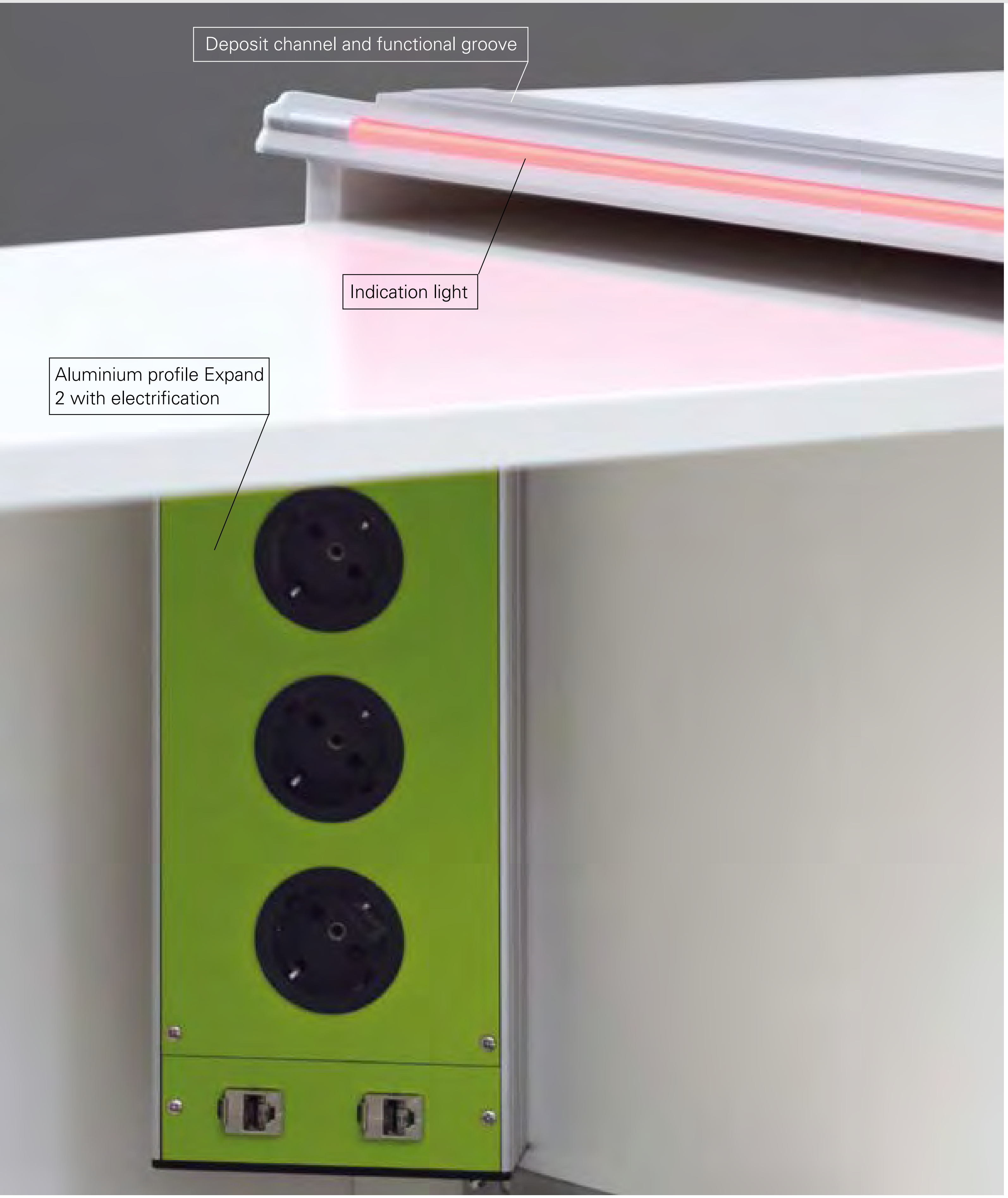
The seat cushion is only available for the small and large elneos orgatower. Front decors with a wood decor, the cushion colour changes automatically from green to black (models 13, 14, 53, 54, 55, 56).

Shelves with grooved mats

Seat cushion in green

Brush strip in shelf

Suspension file in drawer with 6 HE


Deposit channel and functional groove
Indication light
Aluminium profile Expand 2 with electrification

Optional equipment

Special equipment

In addition to the standard equipment you have the Possibility to order additional functions. The order numbers can be found at the end of the text.

Indication light

The indication light indicates whether the elneos orgatower is open or closed. The red light color indicates the open state and green indicates the closed state. The aluminium profile of the indication light provides edge protection, a storage channel for small utensils and a functional groove.
Order no.: ELCO100.1

Electronic central locking system

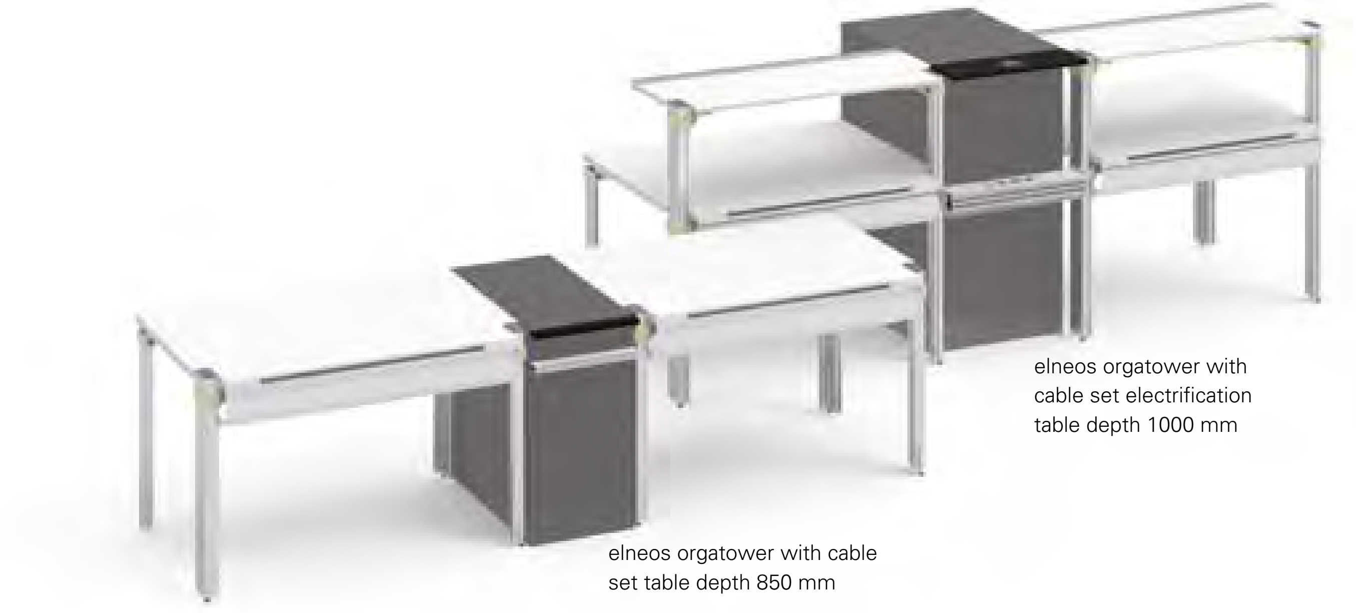
The electronic central locking function is supplied with a transponder for locking.
Order no.: ELCO100.2

Motorised pull-out with radio remote control

The motorized pull-out enables the motorized retraction and extension of the inner body (not in the connection with electronic central locking).
Order no.: ELCO100.3

Cable sets for cabling in series

The cable sets are suitable for elneos orgatower, which stand between two tables. A rear mounted cable duct allows the cabling in series and a corresponding screen serves as privacy screen. The cable set includes a correspondingly wide cover and a cable duct with or without electrification. The front panel decor is adapted to the respective colour of the outer body and also the front panel width to the selected model.



elneos orgatower with cable set electrification table depth 1000 mm

elneos orgatower with cable set table depth 850 mm

Cable set table depth 850 mm

- Cover in 50 mm depth
- PVC cable duct, pure white, access from above

Order no.: ELCO100.4

Cable set table depth 1000 mm

- Cover in 200 mm depth with cable outlet socket
- Aluminium cable duct (empty), access from above

Order no.: ELCO100.5

Cable set electrification table depth 1000 mm

- Cover in 200 mm depth with cable outlet socket
- Aluminium cable duct with 3 sockets and 2 RJ45 sockets, access from above

Order no.: ELCO100.6

Optional equipment

Acoustic surface

Room acoustic orgatower with acoustic decor in the outer body and the front.

Room acoustic orgatower

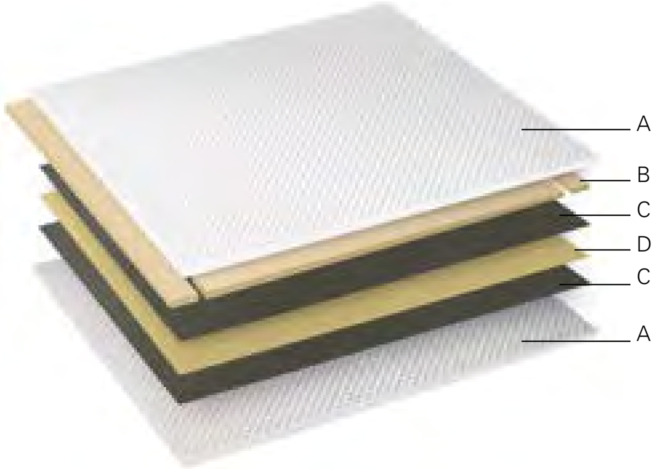
The elneos orgatower can also be ordered as room-acoustic furniture with an acoustic decor. This acoustic decor is only available in decor colour front white for the outer and inner body. The side walls, the rear wall of the outer body and the outer front of the extendable inner body are manufactured in a sound-absorbing surface.

The acoustic surfaces are used for sound absorption of speech, noises and sounds in accordance with the surroundings. All models optionally available.
Order no.: ELCO100.7

This special equipment brings the acoustic functionality into harmony with the formal aesthetics which noticeably improves the working atmosphere. The orgatower is positioned as a functional and aesthetic room element in industrial laboratories as well as in classrooms in all subject areas. The material guarantees a short reverberation time and a very high degree of sound absorption.

Structure of the acoustic surface

A) HDF-deck with perforated direct coating
B) Circulating frame
C) Optimized acoustic fleece
D) Acoustic absorbing special filler



Technical data and features

Sound absorption coefficient (α)

The sound absorption coefficient α indicates the ratio of the absorbed part of the sound to the occurring strength of the sound. If the sound is completely reflected, the following applies $\alpha = 0$, in the case of complete absorption is $\alpha = 1$. The high-quality acoustic materials used here have a weighted sound absorption coefficient of $\alpha_w = 0{,}75$.

Equivalent sound absorption area A

Multiply the sound absorption coefficient (α) of the component by its area in m^2, the sound-absorbing efficiency is obtained in m^2 or the equivalent sound absorption surface A. This is a model surface which absorbs completely, i.e. whose sound absorption coefficient = 1.

All absorption properties are concentrated in this area, which can be thought of as an open window area. On average, the following equivalent sound absorption areas A result:
Small models (780 mm height): A = 1,23 m^2
Medium models (900 mm height): A = 1,42 m^2
Large models (1.200 mm height): A = 1,89 m^2

A large model therefore provides an area of 1.89 m^2, which absorbs sound 100%. If 10 of these elneos orgatowers are used in a room, 18.9 m^2 contribute of the sound absorption in the room.

Improved reverberation time

If the acoustic components are installed in the elneos orgatower, the reverberation time improves significantly. By shortening the reverberation time, maximum intelligibility of the speech is achieved.

Economic aspect

Due to the visually unobtrusive integration of the acoustic components, very good sound absorption can be achieved. Additional sound absorption panels to be attached to ceilings and walls can in most cases be reduced in order to reduce the overall costs.

Note: In addition to furnishings, ceiling, floor and wall materials determine room acoustics.

Order configuration

Configuration of the models
With the series elneos orgatower we offer you numerous models, which you can adapt additionally. An order builds itself by several order numbers:
1. choice of model
2. choice of the front decor
3. option drawer front in front decor
4. option special equipment

1. Choice of model

Select a model with the appropriate ordering number from pages 29 to 43. Once you have selected a model, select „.L“ for left of the table or „.R“ for right of the table. Replace the .X after the model number with a „.L“ or „.R“.

Some models have a twin option and can be used on both sides with the same equipment. These models have the twin option and no „.L“ or „.R“ is specified.

ELCO.3 **.X**

Model

Orientation (replace X with .L or .R)

2. Choice of the front decor

Select a front decor of the orgatower from pages 288 and 289. The choice of the front decor determines the colour of the outer body.

3. Option drawer front in front decor

Optionally, you can order the internal drawer fronts in the selected front decor. This applies to all front decors except ELCOD1, ELCOD2 and ELCOD11. To order this option, use your own order number.
Order no.: ELCO100.8

4. Option special equipment

Functions such as indication light or central locking are optional and have their own order number. Information on optional extras can be found from page 293 onwards.

Order example left
Model: ELCO27.L (Model 27, Left)
Front decor: ELCOD3 (Chartreuse Green)
Option: ELCO100.8 (drawer fronts in front decor)

Order example right
Model: ELCO47 (Model 47, Twin)
Front decor: ELCOD18 (Walnut California)

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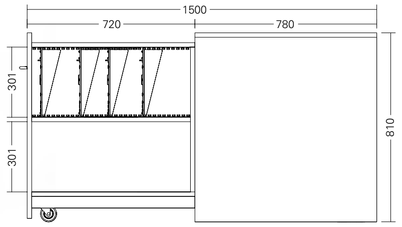
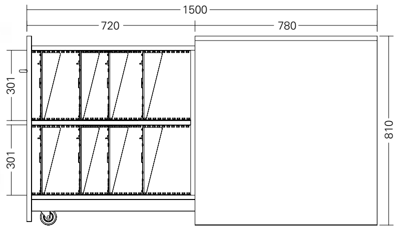
elneos® orgatower – small

Order no. as shown:
ELCO1 (Twintower)



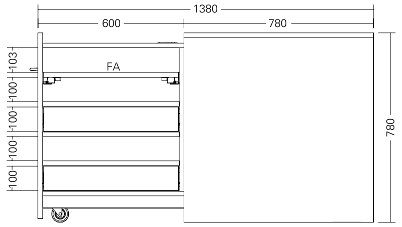
Order no.: ELCO1
H 810 x W 622 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 1 shelf for DIN A4 teaching material, or didactic boards per side

Order no. as shown:
ELCO2.L (left-hand version)



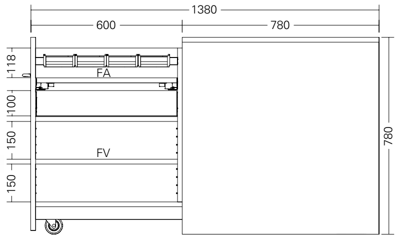
Order no.: ELCO2.X
H 810 x W 622 x D 800 mm, open D 1500 mm
Equipment inner body:
- 2 shelves for DIN A4 teaching aids, or didactic boards per side

Order no. as shown:
ELCO3.L (left-hand version)



Order no.: ELCO3.X
H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 2 shelves, divided by 1 pull-out shelf
- 1 large drawer 2 HU
- 1 shelf
- 1 large drawer 2 HU

Order no. as shown:
ELCO4.L (left-hand version)

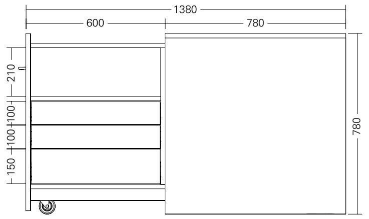


Order no.: ELCO4.X
H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 mounting rail incl. gripper bowl set
- 1 pull-out shelf
- 1 large drawer 2 HU
- 2 shelves with adjustable shelf

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – small

Order no. as shown:
ELCO5.L (left-hand version)

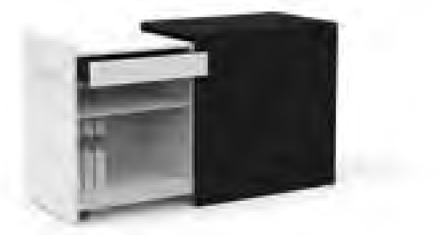

1380
600
780
210
100
100
150
780

Order no.: ELCO5.X

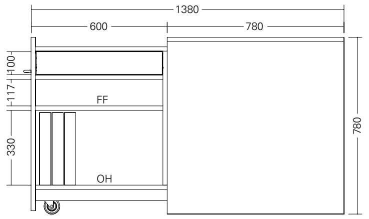
H 780 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU



Order no. as shown:
ELCO6.L (left-hand version)


1380
600
780
100
117
330
FF
OH
780

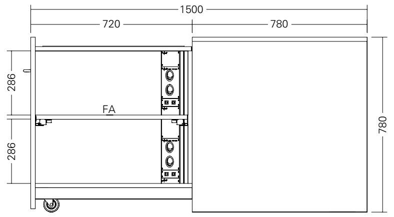
Order no.: ELCO6.X

H 780 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 large drawer 2 HE
- 2 shelves with fixed shelf

Order no. as shown:
ELCO7.L (left-hand version)


1500
720
780
286
286
FA
780

Order no.: ELCO7.X

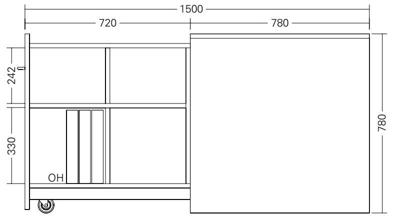
H 780 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 shelf with brush strip
- 2 x 2 RJ45 sockets, Cat. 6, 8-pin
- 2 x 2 shockproof sockets
- 2 shelves divided by 1 pull-out shelf

Twin!

Order no. as shown:
ELCO8 (Twintower)


1500
720
780
242
330
OH
780

Order no.: ELCO8

H 780 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use

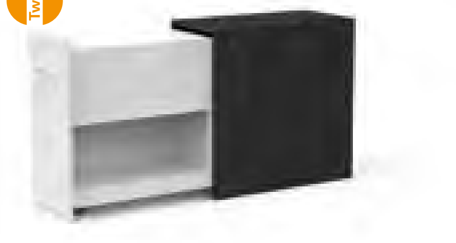
Equipment inner body:

- 2 shelves per side

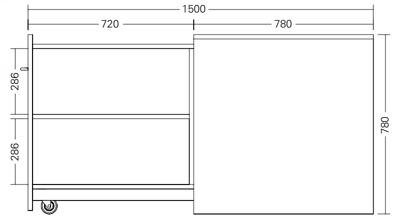
Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – small

Twin!



Order no. as shown:
ELCO9 (Twintower)


1500
720
780
286
286
780

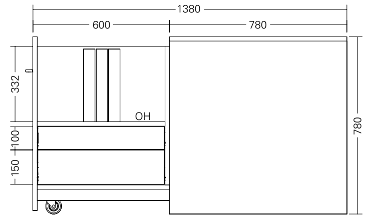
Order no.: ELCO9

H 780 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

- 1 shelf per side

Order no. as shown:
ELCO10.L (left-hand version)


1380
600
780
332
100
150
OH
780

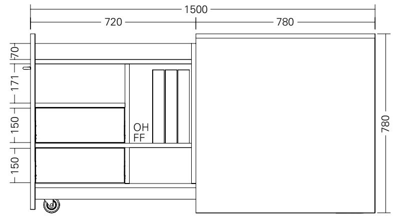
Order no.: ELCO10.X

H 780 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 shelf
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO11.L (left-hand version)


1500
720
780
70
171
150
150
OH
FF
780

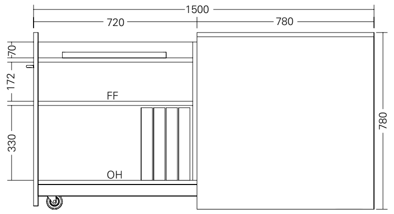
Order no.: ELCO11.X

H 780 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 storage tray on top
- 1 shelf
- 2 DIN A4 drawers 3 HU
- 2 shelves with fixed shelf

Order no. as shown:
ELCO12.L (left-hand version)


1500
720
780
70
172
330
FF
OH
780

Order no.: ELCO12.X

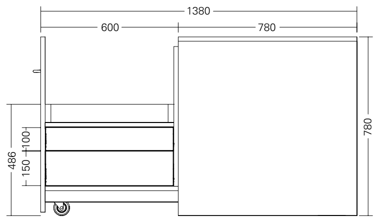
H 780 x W 400 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 laptop shelf
- 2 shelves with fixed shelf

elneos® orgatower – small

Order no. as shown:
ELCO13.L (left-hand version)



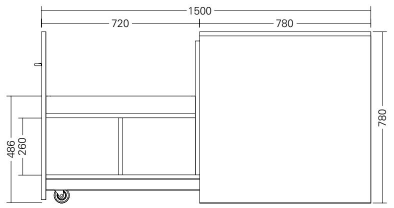
Order no.: ELCO13.X

H 780 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 seat
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO14 (Twintower)



Order no.: ELCO14

H 780 x W 400 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:

- 1 seat
- 1 tray per side

Order example left
Model: ELCO11.L (Model 11, Left),
Front decor: ELCOD14 (Piedmont Oak Mocha),
Option: ELCO100.8 (drawer fronts in front decor)

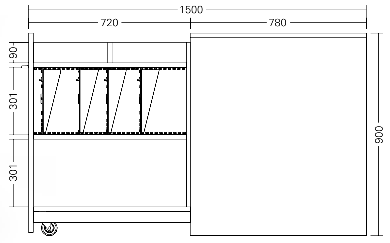
Order example middle
Model: ELCO1.L (Model 1, Left),
Front decor: ELCOD12 (Maple Kiruna)

Order example rigth
Model: ELCO14.L (Model 14, Twintower)
Front decor: ELCOD16 (Douglas fir White)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – medium

Order no. as shown:
ELCO20 (Twintower)



Order no.: ELCO20

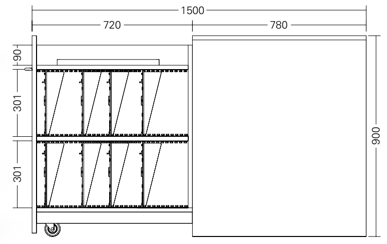
H 900 x W 622 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:

- 1 split top storage tray
- 1 shelf for DIN A4 teaching aids, or didactic boards per side

Order no. as shown:
ELCO21.L (left-hand version)



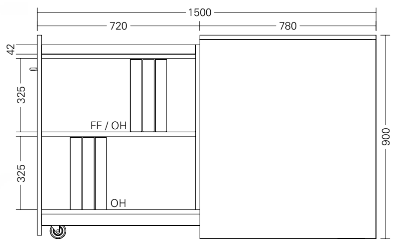
Order no.: ELCO21.X

H 900 x W 622 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 laptop tray
- 2 shelves for DIN A4 teaching aids, or didactic boards

Order no. as shown:
ELCO22.L (left-hand version)



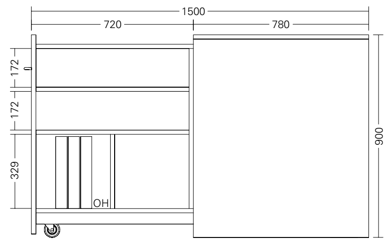
Order no.: ELCO22.X

H 900 x W 400 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 storage tray
- 2 shelves with fixed shelf

Order no. as shown:
ELCO23 (Twintower)



Order no.: ELCO23

H 900 x W 400 x D 800 mm, open D 1500 mm

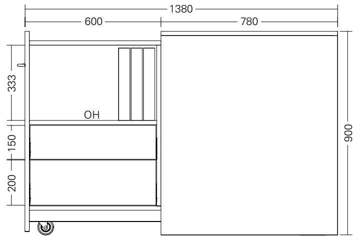
Twintower for double-sided use

Equipment inner body:

- 2 shelves per side

elneos® orgatower – medium

Order no. as shown:
ELCO24.L (left-hand version)


1380
600
780
333
OH
150
200
900

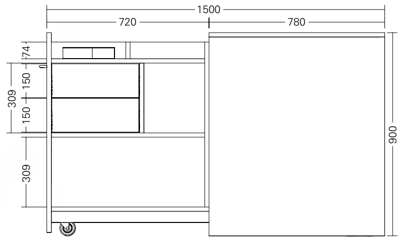
Order no.: ELCO24.X

H 900 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 shelf
- 1 large drawer 3 HU
- 1 large drawer 4 HU

Order no. as shown:
ELCO25 (Twintower)


1500
720
780
309
150
150
309
900

Order no.: ELCO25

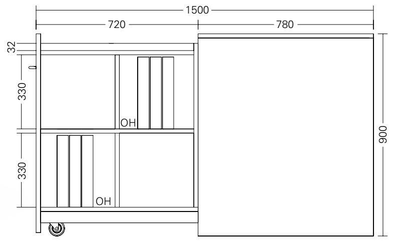
H 900 x W 500 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:

- 1 split shelf
- 2 DIN A4 drawers 3 HU per side
- 1 shelf per page

Order no. as shown:
ELCO26 (Twintower)


1500
720
780
32
330
OH
330
OH
900

Order no.: ELCO26

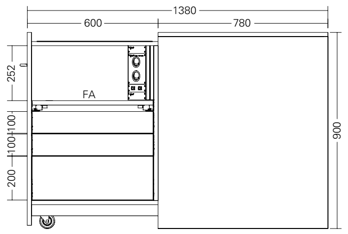
H 900 x W 400 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:

- 1 split shelf
- 2 shelves per side

Order no. as shown:
ELCO27.L (left-hand version)


1380
600
780
252
FA
100
100
200
900

Order no.: ELCO27.X

H 900 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 storage with brush strip
- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf with pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 4 HU

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

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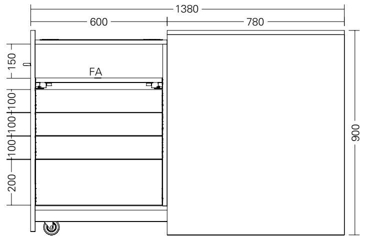
elneos® orgatower – medium

Order no. as shown:
ELCO28.L (left-hand version)


1380
600
780
150
FA
100
100
200
900

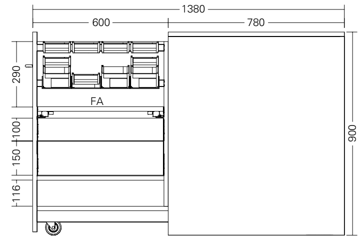
Order no.: ELCO28.X

H 900 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 1 storage with brush strip
- 1 shelf with pull-out shelf
- 3 large drawers 2 HU
- 1 large drawer 4 HU

Order no. as shown:
ELCO29.L (left-hand version)


1380
600
780
290
FA
100
150
116
900

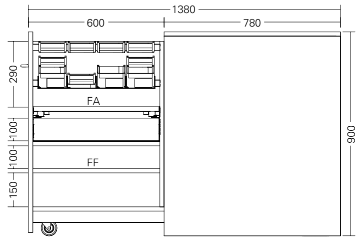
Order no.: ELCO29.X

H 900 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 2 mounting rails incl. gripper bowl set
- 1 pull-out shelf
- 1 large drawer 2 HU
- 1 large drawer 3 HU
- 1 shelf

Order no. as shown:
ELCO30.L (left-hand version)


1380
600
780
290
FA
100
FF
150
900

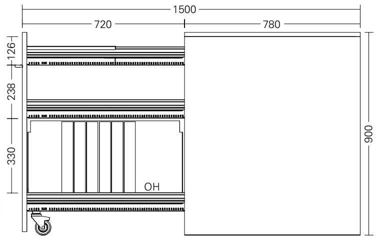
Order no.: ELCO30.X

H 900 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 2 mounting rails incl. gripper bowl set
- 1 pull-out shelf
- 1 large drawer 2 HU
- 2 shelves with fixed shelf

Order no. as shown:
ELCO31.L (left-hand version)


1500
720
780
126
238
330
OH
900

Order no.: ELCO31.X

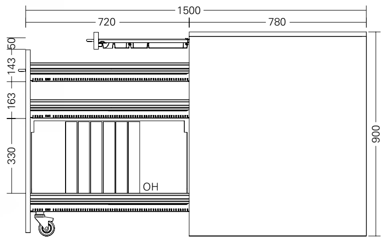
H 900 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 pull-out with 3 drawers
- 1 material tray for hanging up
- 1 file bottom insert with screen

elneos® orgatower – medium

Order no. as shown:
ELCO32.L (left-hand version)



Order no.: ELCO32.X

H 900 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 material excerpt
- 1 pull-out with 3 drawers
- 1 file bottom insert with screen

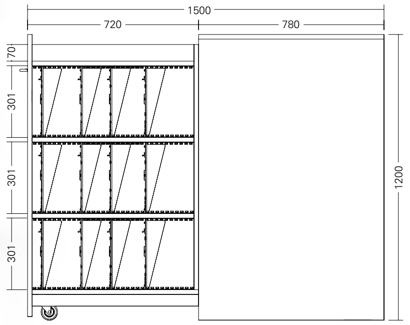
Order example left
Model: ELCO24.L (Model 24, Left),
Front decor: ELCOD19 (Pine Fano),
Option: ELCO100.8 (drawer fronts in front decor)

Order example rigth
Model: ELCO25 (Model 24, Twintower),
Front decor: ELCOD3 (Chartreuse Green),
Option: ELCO100.8 (drawer fronts in front decor)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – large

Order no. as shown:
ELCO40.L (left-hand version)



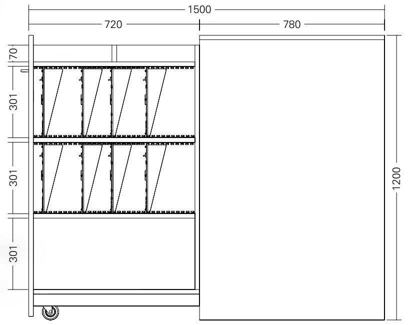
Order no.: ELCO40.X

H 1200 x W 622 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 laptop tray on top
- 3 shelves for DIN A4 teaching aids, or didactic boards

Order no. as shown:
ELCO41 (Twintower)



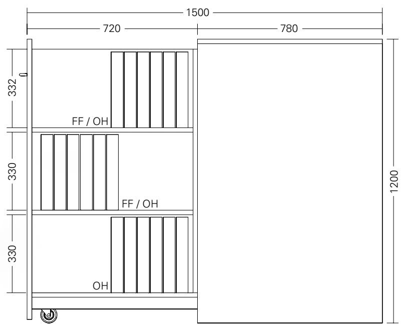
Order no.: ELCO41

H 1200 x W 622 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

- 1 split shelf
- 3 shelves for DIN A4 teaching aids, or didactic boards, both sides open in the middle, alternately open top and bottom

Order no. as shown:
ELCO42.L (left-hand version)



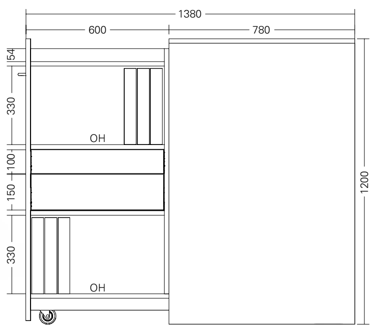
Order no.: ELCO42.X

H 1200 x W 400 x D 800 mm, open D 1500 mm

Equipment inner body:

- 3 shelves with fixed shelf

Order no. as shown:
ELCO43.L (left-hand version)



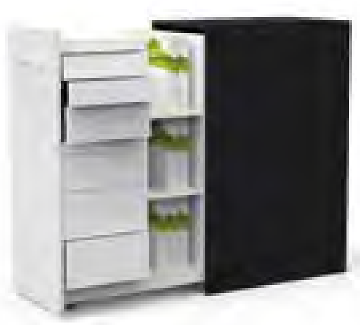
Order no.: ELCO43.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

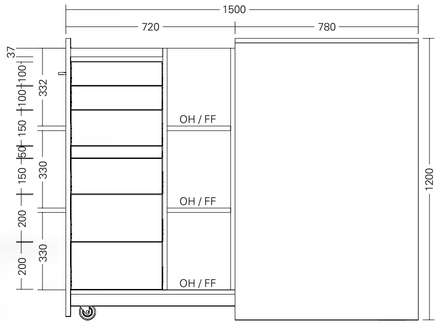
Equipment inner body:

- 1 top storage tray
- 2 shelves
- 1 large drawer 2 HU
- 1 large drawer 3 HU

elneos® orgatower – large



Order no. as shown:
ELCO44.L (left-hand version)

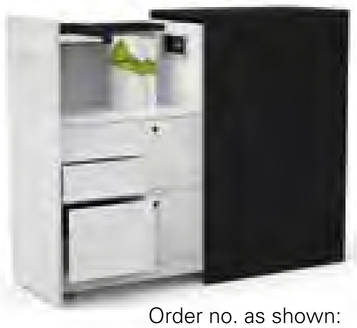

1500
720
780
1200
OH / FF
OH / FF
OH / FF
37
100
100
150
150
150
200
200
332
330
330

Order no.: ELCO44.X

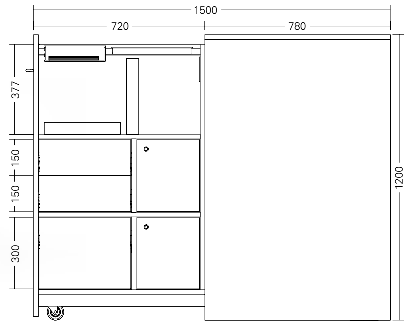
H 1200 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 top storage tray
- 1 material drawer
- 2 DIN A4 drawers 2 HU
- 2 DIN A4 drawers 3 HU
- 2 DIN A4 drawers 4 HU
- 3 shelves with fixed shelf



Order no. as shown:
ELCO45.L (left-hand version)


1500
720
780
1200
377
150
150
300

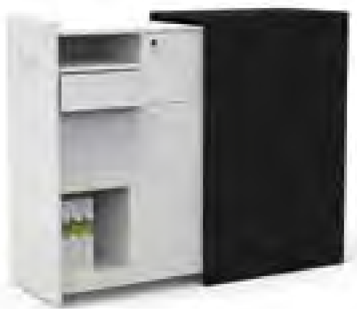
Order no.: ELCO45.X

H 1200 x W 500 x D 800 mm, open D 1500 mm

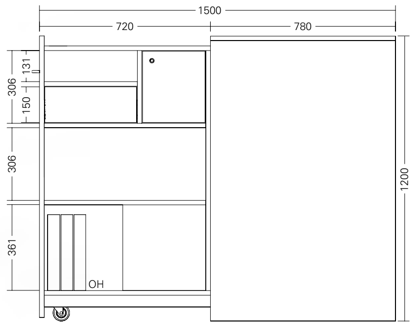
Equipment inner body:

- 1 mounting rail incl. DIN A4 storage tray and pen holder
- 1 flip with 1 shockproof socket, 2 USB sockets, 2 RJ45 sockets, Cat. 6, 8-pin
- 2 DIN A4 drawers 3 HU
- 1 DIN A4 drawer for suspension file 6 HU
- 2 lockable safe-deposit boxes

Twin!



Order no. as shown:
ELCO46 (Twintower)


1500
720
780
1200
306
131
150
306
361
OH

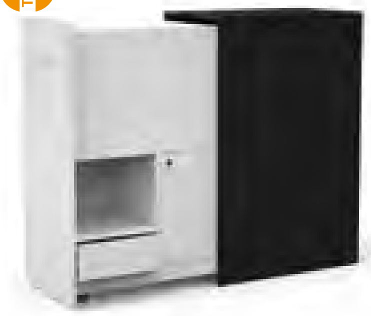
Order no.: ELCO46

H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use

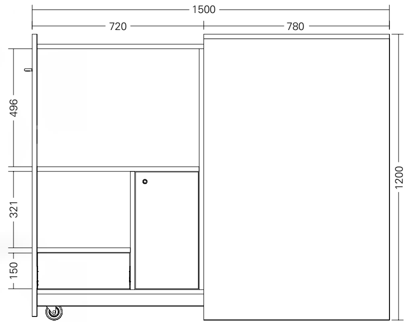
Equipment inner body:

- 2 shelves per side
- 1 DIN A4 drawer 3 HU per side
- 1 locker per side

Twin!



Order no. as shown:
ELCO47 (Twintower)


1500
720
780
1200
496
321
150

Order no.: ELCO47

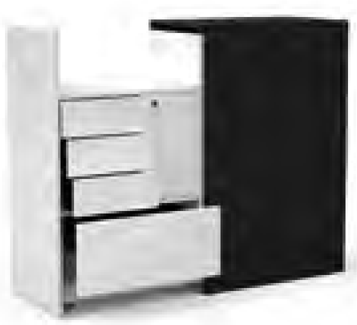
H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

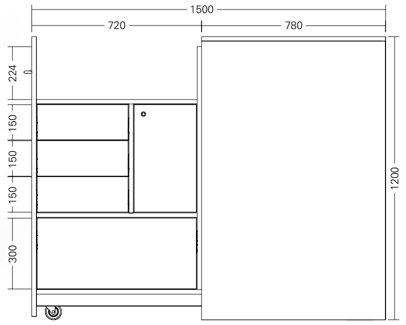
- 1 shelf per side
- 1 DIN A4 drawer 3 HU per side
- 1 locker per side

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – large



Order no. as shown:
ELCO48.L (left-hand version)


1500
720
780
1200
224
150
150
150
300

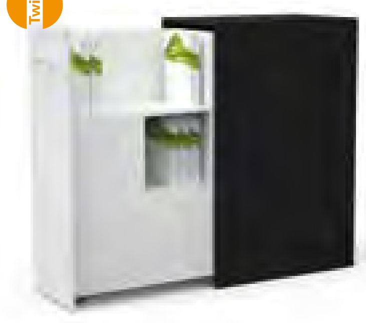
Order no.: ELCO48.X

H 1200 x W 500 x D 800 mm, open D 1500 mm

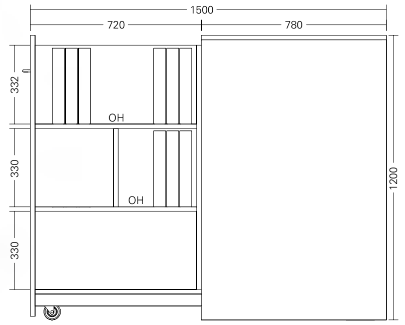
Equipment inner body:

- 3 DIN A4 drawers 3 HU
- 1 wide drawer for suspension file 6 HU
- 1 locker per side

Twin!



Order no. as shown:
ELCO49 (Twintower)

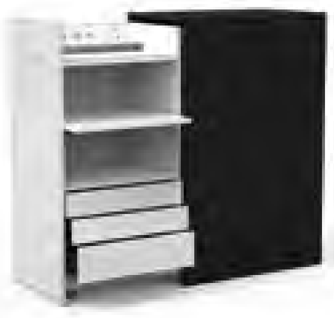

1500
720
780
1200
332
330
330
OH
OH

Order no.: ELCO49

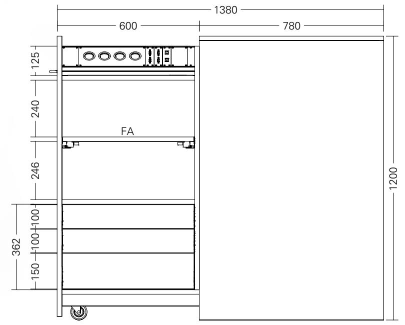
H 1200 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

- 2 shelves per side



Order no. as shown:
ELCO50.L (left-hand version)

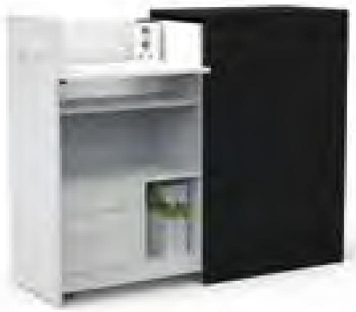

1380
600
780
1200
125
240
246
100
100
150
362
FA

Order no.: ELCO50.X

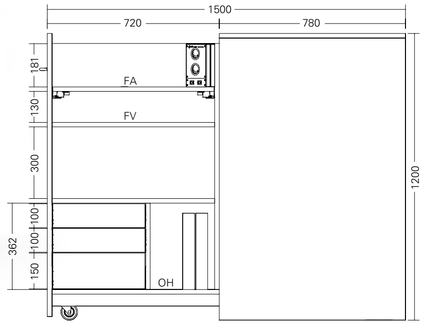
H 1200 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- 4 shockproof sockets
- 4 USB sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- shelf with brush strip and cable outlet
- 2 shelves, divided by 1 pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU



Order no. as shown:
ELCO51.L (left-hand version)


1500
720
780
1200
181
130
300
100
100
150
362
FA
FV
OH

Order no.: ELCO51.X

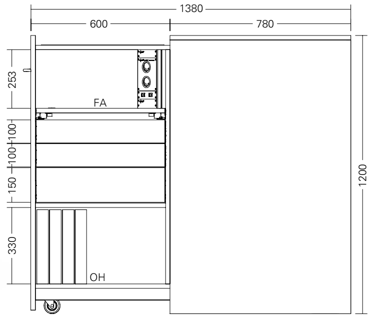
H 1200 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body:

- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 pull-out shelf
- 2 shelves with adjustable shelf
- 2 DIN A4 drawers 2 HU
- 1 DIN A4 drawer 3 HU
- 1 shelf

elneos® orgatower – large

Order no. as shown:
ELCO52.L (left-hand version)


1380
600
780
253
FA
100
100
150
330
OH
1200

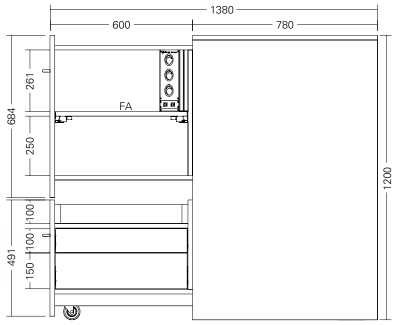
Order no.: ELCO52.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:

- storage with brush strip
- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf with pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU
- 1 shelf

Order no. as shown:
ELCO53.L (left-hand version)


1380
600
780
261
FA
684
250
100
100
150
491
1200

Order no.: ELCO53.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

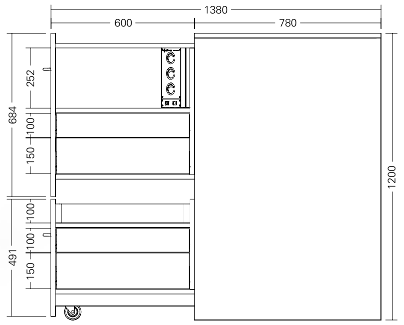
Equipment inner body top:

- 3 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 2 shelves, divided by 1 pull-out shelf

Equipment inner body bottom:

- seat cushion
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO54.L (left-hand version)


1380
600
780
252
684
100
150
100
100
491
150
1200

Order no.: ELCO54.X

H 1200 x B 500 x T 800 mm, open T 1380 mm

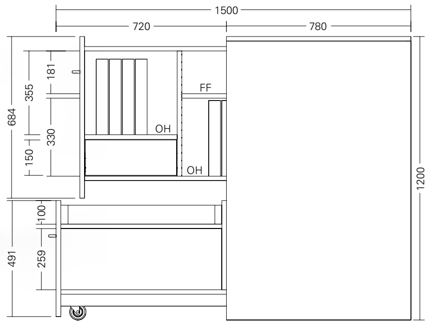
Equipment inner body top:

- 3 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf, 1 large drawer 2 HU
- 1 large drawer 3 HU

Equipment inner body bottom:

- seat cushion
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO55.L (left-hand version)


1500
720
780
181
355
684
330
150
FF
OH
OH
100
491
259
1200

Order no.: ELCO55.X

H 1200 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body top:

- 1 shelf
- 1 DIN A4 drawer 3 HE
- 2 shelves with fixed shelf

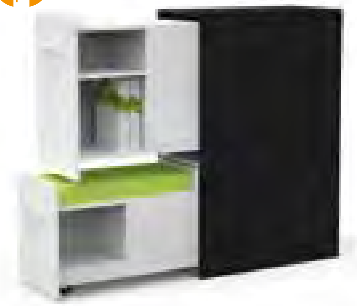
Equipment inner body bottom:

- seat cushion
- 1 shelf

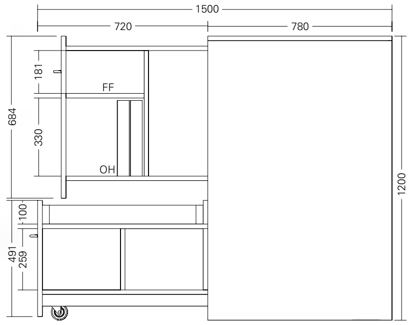
Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

elneos® orgatower – large

Twin!



Order no. as shown:
ELCO56 (Twintower)


1500
720
780
181
684
330
FF
OH
100
491
259
1200

Order no.: ELCO56

H 1200 x W 400 x W 800 mm, open W 1500 mm
Twintower for double-sided use

Equipment inner body top:

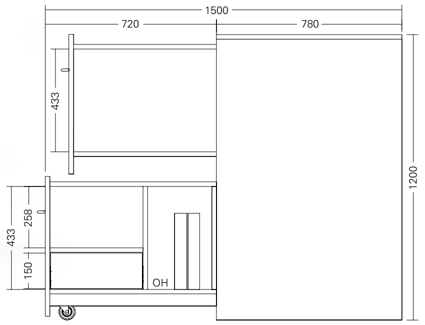
- 2 shelves with fixed shelf per side

Equipment inner body bottom:

- seat cushion
- 1 shelf per side

Twin!

Order no. as shown:
ELCO57 (Twintower)


1500
720
780
433
433
258
150
OH
1200

Order no.: ELCO57

H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use

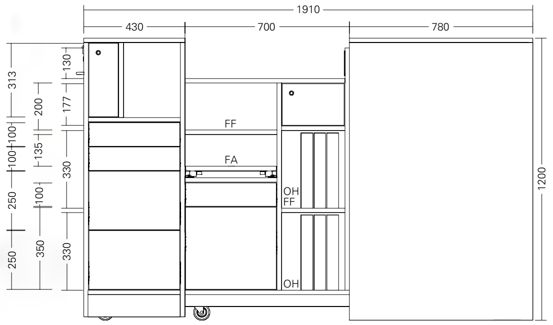
Equipment inner body top:

- 2 shelfs
- 1 DIN A4 drawers 3 HU

Equipment inner body bottom:

- 2 shelfs
- 1 DIN A4 drawers 3 HU

Order no. as shown:
ELCO58.L (left-hand version)


1910
430
700
780
313
130
177
200
100
135
100
330
250
100
250
350
330
FF
FA
OH
FF
OH
1200

Order no.: ELCO58.X

H 1200 x W 500 x D 1210 mm, open D 1910 mm

Equipment of outer body front:

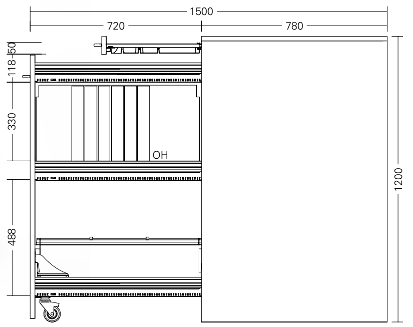
- 1 shelf
- 1 postbox lockable and mail slot on the front side
- 2 DIN A4 drawers 2 HU
- 2 DIN A4 drawers 5 HU

Equipment inner body middle:

- flip with 1 shockproof socket, 2 USB sockets, 2 RJ45 sockets, Cat. 6, 8-pin
- 1 locker
- 2 shelves with fixed shelf
- 2 shelves with fixed shelf and 1 pull-out shelf
- 1 DIN A4 drawers 2 HU
- 1 DIN A4 drawers 7 HU

elneos® orgatower – large

Order no. as shown:
ELCO59.L (left-hand version)



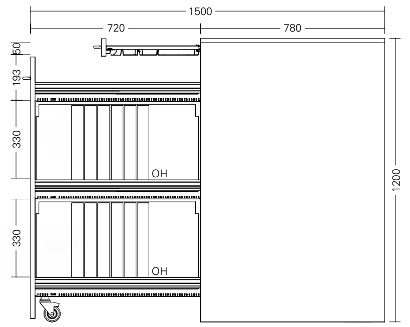
Order no.: ELCO59.X

H 1200 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 material excerpt
- 1 pull-out with 3 drawers
- 1 file bottom insert with screen
- 1 hanging file insert with 2 dividers

Order no. as shown:
ELCO60.L (left-hand version)



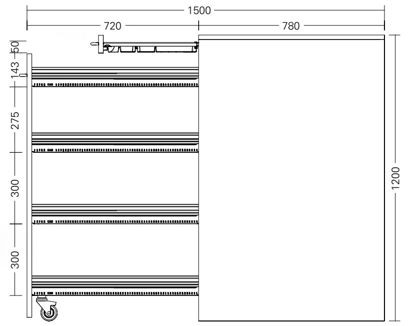
Order no.: ELCO60.X

H 1200 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:

- 1 material excerpt
- 1 pull-out with 3 drawers
- 2 folder bottom inserts with screen

Order no. as shown:
ELCO61 (Twintower)



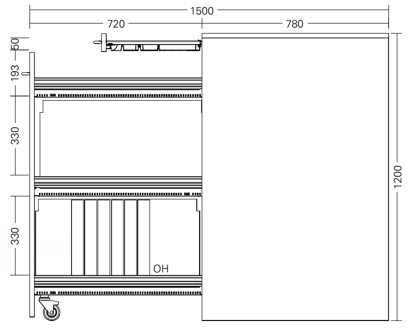
Order no.: ELCO61

H 1200 x W 430 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

- 1 material excerpt
- 1 pull-out with 4 drawers

Order no. as shown:
ELCO62 (Twintower)



Order no.: ELCO62

H 1200 x W 430 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:

- 1 material excerpt
- 1 pull-out with 3 drawers
- 2 folder base inserts 1x right, 1x left

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm, usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

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elneos® orgatower – large

Order example top left
Model: ELCO44.L (Model 44, Left),
Front decor: ELCOD18 (Walnut California);

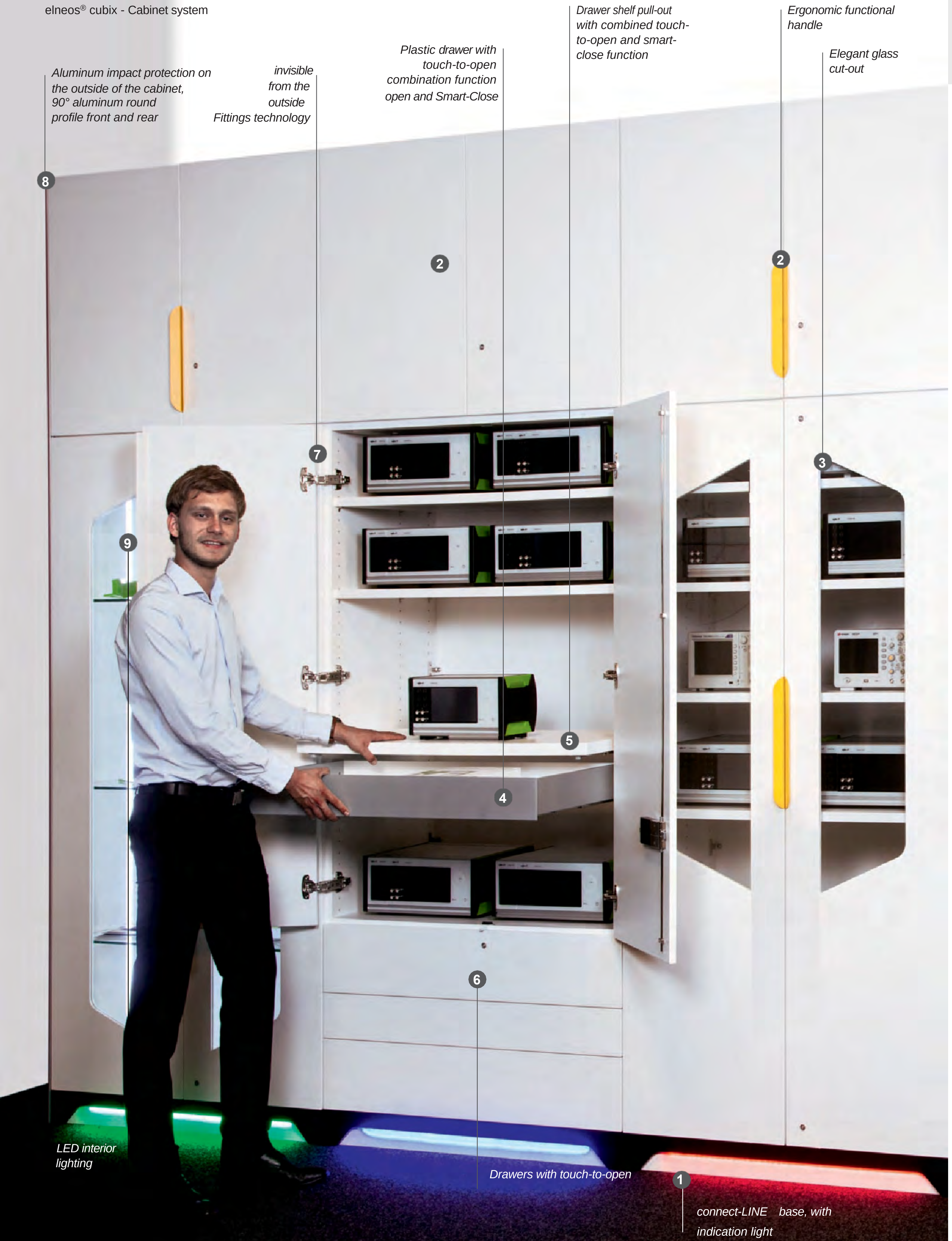
Order example top middle
Model: ELCO53.L (Model 53, Left),
Front decor: ELCOD3 (Chartreuse Green);

Order example top rigth
Model: ELCO61 (Model 61, Twintower),
Front decor: ELCOD15 (Chestnut Wenge);

Order example bottom left
Model: ELCO51.L (Model 51, Left),
Front decor: ELCOD1 (Front White);

elneos® cubix wardrobe system

elneos wardrobe system® cubix 315
Tall units 318
Top cabinets and accessories 323
Corner cabinets....................324
Pharmacy cabinets for small parts magazine 325
Trough cabinets 326
Lockers 327
Sideboards elneos® cubix 329
Sideboards with hinged door 332
Sideboards with drawers 333
Sideboards with sliding door....................334
Sideboards with roller shutters....................335
Modules for wall units / sideboards....................336
Tool trolleys, parking garage, lockers....................338
Locking systems 340


Aluminum impact protection on the outside of the cabinet, 90° aluminum round profile front and rear
invisible from the outside Fittings technology
Plastic drawer with touch-to-open combination function open and Smart-Close
Drawer shelf pull-out with combined touch-to-open and smart-close function
Ergonomic functional handle
Elegant glass cut-out
8
2
2
7
3
9
5
4
6
1
LED interior lighting
Drawers with touch-to-open
connect-LINE base, with indication light

elneos wardrobe system ® cubix

The elneos® cubix wardrobe system

The elneos cubix cabinet system stands for the highest quality standards. Areas of application are technology, laboratory and office. The cabinets are equipped with hinged doors, modern pull-out shelves and drawers. tet. The cupboard walls can be extended upwards to the ceiling with add-on cupboards and ceiling panels. There are 2 different versions, **select** or **pro** to choose from. These differ in terms of function and design.

Special features of the design select:

New design language (as standard): Handles, glass cut-outs and plinth follow the shape of the connector (see left **1** to **3** and page 316).

New combination function of touch-to-open / Smart-Close technology (standard): Internal drawers and pull-out shelves combine touch-to- touch technology for the first time. open and Smart-Close in one function (see left to **5** and page 316).
Touch-to-open technology (optional): Handleless design. Doors / drawers open by pressing lightly on the fronts. Note: Functional handles are omitted (see left 4 and 5 and page 316.

New invisible hardware technology (standard): Hinged doors are with high-quality fittings that are invisible from the outside.
are (see left **7** and page 316)
New surfaces (optional): Magnetic and writable fronts for full and half units
Cupboard doors (see page 316).

Aluminum impact protection on the outside of the cabinet (optional):
Doubling on the left and right (each 19 mm thick). Each corner, front and rear, is protected against impact by a 90° aluminum round profile (see left 8 and page 316).

LED interior lighting (optional): For cupboard doors without glass, the LED interior lighting switches on automatically.
automatically on and off. For glazed doors (glass cabinet) is fitted as standard with an invisible sensor embedded in the outer wall of the cabinet for continuous operation.lighting (see 9 left and page 316).

Connect-LINE plinth lighting (optional):
Integrated status display for open and closed. Alternative cabinet equipment
complete / incomplete (see left 1 and page 316)).

Modern cubix elements (optional): The wardrobes / wall units can be flexibly extended with the modern elneos cubix modules (see page 336).

Various locking systems (optional): Key, RFID or electronic central locking by radio (see page 342).

Technical design of the elneos cubix select and pro series:

- Rear panel: visible rear panel, 12 mm grooved
- Shelves: 25 mm thick. 1 construction shelf and adjustable shelves see description
- Rows of holes: In a 32 mm Euro fitting grid for flexible fitting with shelves, pull-out shelves, drawers. For 600 mm deep cupboards
  3 rows of holes provided per enclosure side.
- Shelf supports: Made of metal, nickel-plated, with safety catch
  The locking pin prevents accidental removal.
- Hinged doors: High-density chipboard with textured, anti-glare plastic coating or glass insert. Door opening angle elneos cubix select: 165° / elneos cubix pro: 270°. For cupboard next to cupboard or with aluminum impact protection on the outside of
  the cupboard, opening angle corresponding to 165°to 180°, depending on lock and handle.
- Drawers: with concealed mounted ball cage guide and telescopic pull-out as well as pull-out stop (Stop-Control). Drawers generally with full-extension runners. Usable width of basic cupboard 600: 490 mm
  Usable width of basic cupboard 1,000: 890 mm Usable depth with 420 mm cupboard depth: 326 mm Usable depth with 600 mm cupboard depth: 491 mm
- Locking: All-metal espagnolette lock and security locking cylinder, suitable for general and master key systems, optionally with electronic locking system or RFID.
- Plinth construction: Integrated cupboard plinth, 100 mm high, with heavy-duty height adjustment control unit.

System dimensions for base and top cabinets
(Dimensions without aluminum impact protection on the outside of the cabinet)

Base cabinet 1,000:

1,000 x 420 / 600 x 2,000 mm (W x D x H) **Basic cabinet 600:** 600 x 420 / 600 x 2,000 mm (W x D x H) **Top-mounted cupboard without ladder panel:**
1,000 / 600 x 420 / 600 x 720 mm (W x D x H)
Top-mounted cupboard with ladder panel:
1,000 / 600 x 420 / 600 x 900 mm (W x D x H)

Tall units elneos® cubix select

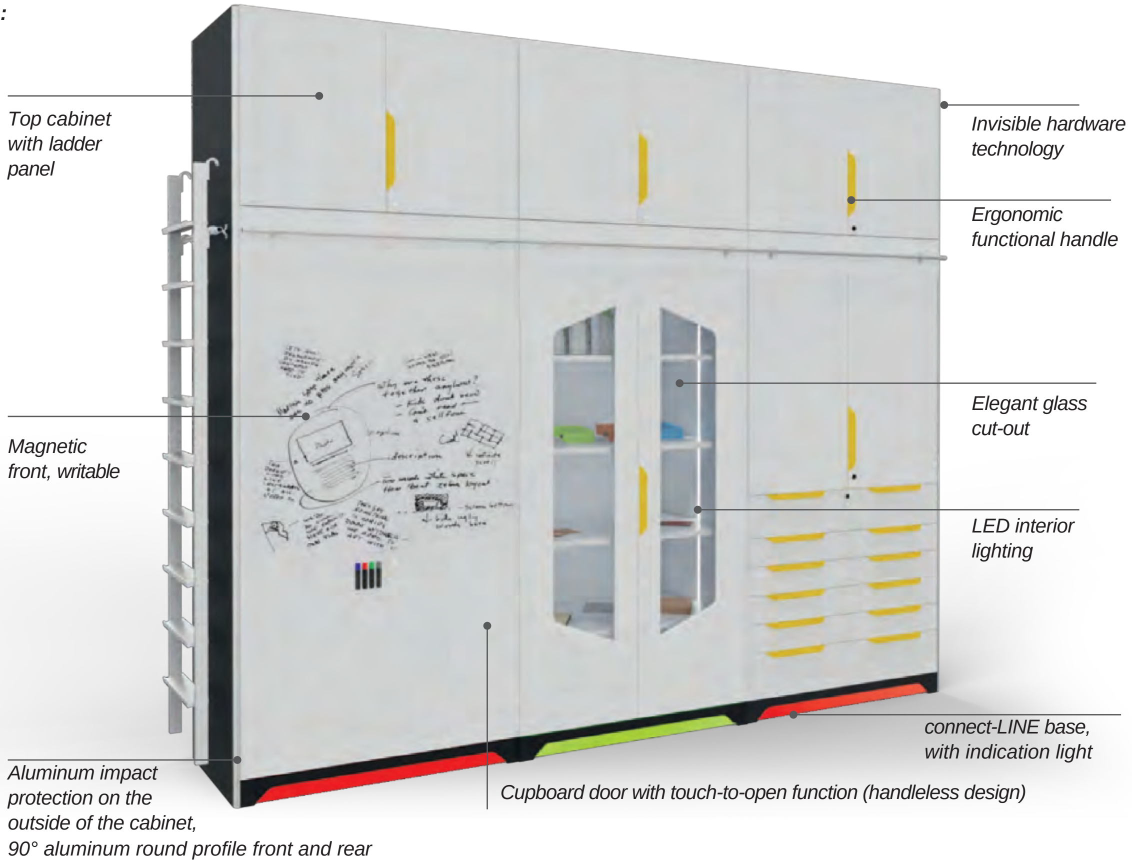
ergonomic functional handles:

graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

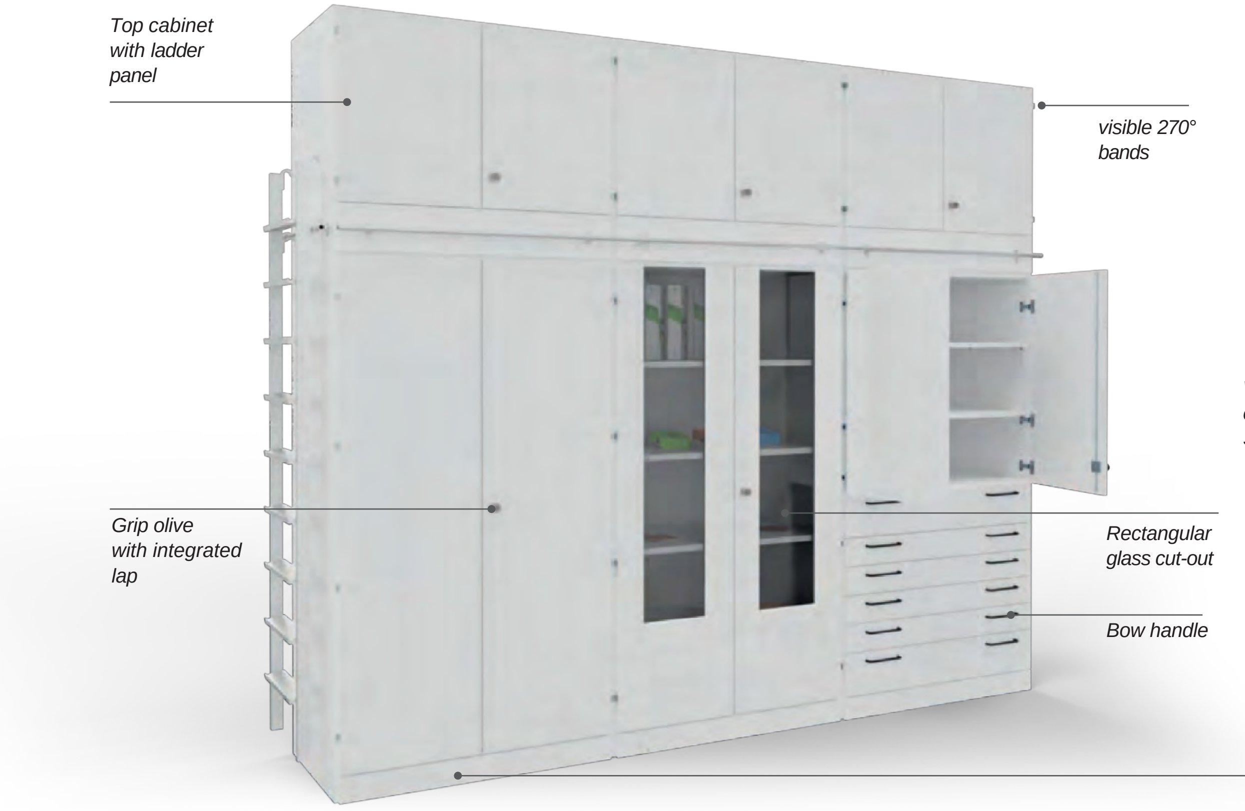


Top cabinet with ladder panel
Magnetic front, writable
Aluminum impact protection on the outside of the cabinet, 90° aluminum round profile front and rear
Invisible hardware technology
Ergonomic functional handle
Elegant glass cut-out
LED interior lighting
connect-LINE base, with indication light
Cupboard door with touch-to-open function (handleless design)

Overview of the elneos cubix wardrobe series - select version vs. pro version

Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm; design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Glass cut-out	Elegant glass cut-out, Design follows the shape of the connector	Rectangular glass cut-out
Internal drawers	Plastic drawer, incl. combined touch-to-open and smart-close function	Steel drawer, fully organizable
Aluminum impact protection on the outside of cabinets	optionally graphite black or front white	not available
Base	Recessed functional base connect-LINE for optional mounting of the indication light. Design follows the shape of the connector	Flush plinth
Optional design options	**with select**	**for pro**
Touch-to-open, handleless design Doors/drawers	✓	✓
Magnetic fronts, writable	Automatic touch-to-open (handleless design)	Touch-to-open surcharge
Pull-out shelf	Frame shelf pull-out shelf, incl. combination function of touch-to-open and smart-close	Normal pull-out shelf, touch-to-open / smart-close with surcharge
LED interior lighting	✓	✓
Pedestal lighting	Indication light, green= open, red= closed, alternatively cabinet assembly full / incomplete	not available
Expandable with Cubix modules (see page 336)	✓	not available
Various locking systems	✓	✓

Tall units elneos® cubix pro



Top cabinet with ladder panel
Grip olive with integrated lap
visible 270° bands
Rectangular glass cut-out
Bow handle
Flush plinth

Handles:

Drawers: Bow handle, black Serie

Wardrobe doors: Handle olive with integrated drawer Series

Optional cabinet fittings for elneos cubix tall units, select and pro versions

Order overview of options and extensions		
Touch-to-open function for doors and drawers (handleless design)		ELCC.TTO.1
Smart close function for drawers		ELCC.SC.1
Front magnetic / writable	for **whole** hinged doors	ELCC.MB.1
	for **half** hinged doors	ELCC.MB.2
Shelves 25 mm		ELCC.FB.1
Shelves made of chipboard		ELCC.FB.2
Pull-out shelf		ELCC.TA.1
Pull-out shelf for basic experiments	with perforated grid	ELCC.AG.1
Aluminum impact protection on the outside of the cabinet *	**graphite black**	ELCC.AS.1
	front white	ELCC.AS.2
LED interior lighting	**Without** sensor for continuous lighting	ELCC.IB.1
	with sensor for continuous lighting	ELCC.IB.2
Indication light socket connect-LINE *	RGB with **remote control** for color selection	ELC2.9.I.1
	green= **open**, red= **closed**	ELC2.9.I.2
	Cabinet assembly complete / incomplete	ELC2.9.I.3
Electronic locking by radio or RFID		see page 342

General information on the decor	Execution select	Version per
Decor 1: *Non-conductive*	Fronts / carcase: front white; Base: graphite black / front white	Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*	Fronts / carcase / plinth: front white	-
Decor 3: *ESD version*	Fronts / carcase / plinth: front white	Fronts / carcase / plinth: front white

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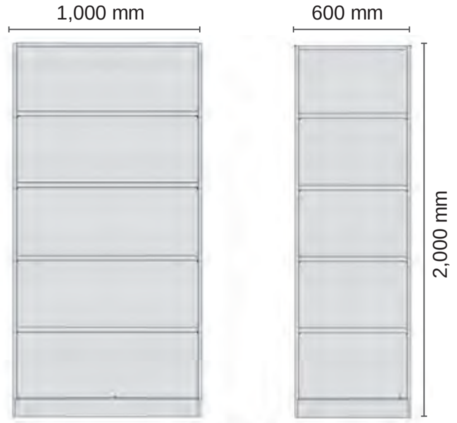
* only for select version. Not possible with pro version.

Tall units

Hinged door wardrobe
with full doors

Equipment:
- 3 adjustable shelves
- 1 fixed shelf



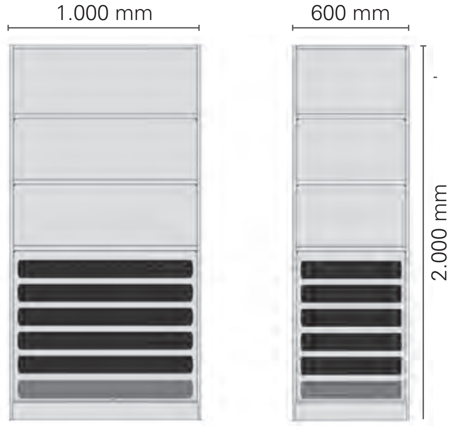
Hinged door wardrobe with full doors

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1401.x	ELCCS.6401.x.y	ELCCS.1601.x	ELCCS.6601.x.y
② **per**	ELCCP.1401.x	ELCCP.6401.x.y	ELCCP.1601.x	ELCCP.6601.x.y

Hinged door wardrobe
with full doors

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- Drawers (VA), internal, usable height: approx. 120 mm

Note on execution:
select: 5 drawers
per: 6 steel drawers



Hinged door wardrobe with full doors, internal drawers

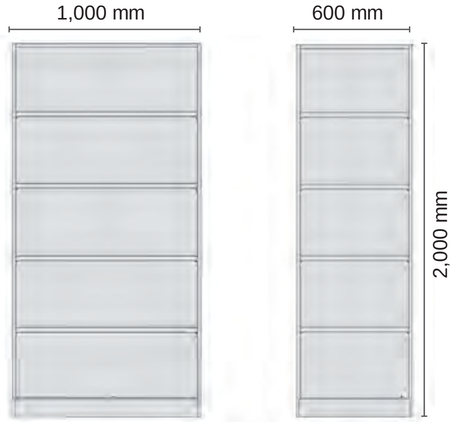
	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1402.x	ELCCS.6402.x.y	ELCCS.1602.x	ELCCS.6602.x.y
② **per**	ELCCP.1402.x	ELCCP.6402.x.y	ELCCP.1602.x	ELCCP.6602.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive* — **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* — **Version select:** fronts / carcase / plinth: front white — **Version pro:** -
Décor 3: *ESD version* — **Version select:** fronts / carcase / plinth: front white — **Pro version:** fronts / carcase / plinth: front white

Hinged door wardrobe
with 4 / 5 glazing

Equipment:
- 3 adjustable shelves
- 1 fixed shelf



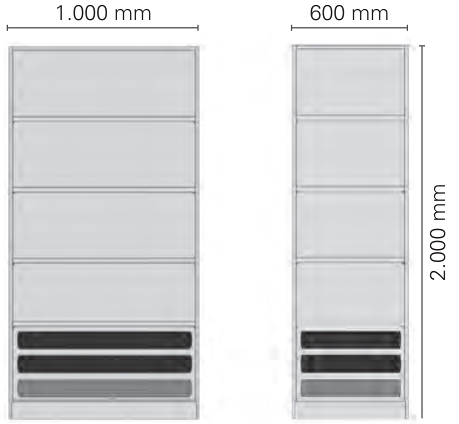
Hinged door wardrobe with 4 / 5 glazing

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1403.x	ELCCS.6403.x.y	ELCCS.1603.x	ELCCS.6603.x.y
② **per**	ELCCP.1403.x	ELCCP.6403x.y	ELCCP.1603.x	ELCCP.6603.x.y

Hinged door wardrobe
with 4 / 5 glazing

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- Drawers (VA), internal, usable height: approx. 120 mm

Note on execution:
select: 2 frame drawers
pro: 3 steel drawers



Hinged door wardrobe with 4 / 5 glazing, internal drawers

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1404.x	ELCCS.6404.x.y	ELCCS.1604.x	ELCCS.6604.x.y
② **per**	ELCCP.1404.x	ELCCP.6404x.y	ELCCP.1604.x	ELCCP.6604.x.y

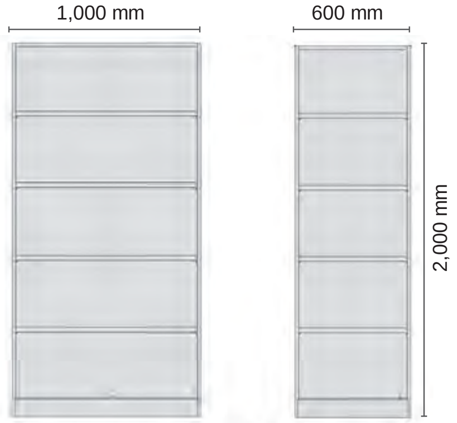
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive* — **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* — **Version select:** fronts / carcase / plinth: front white — **Version pro:** -
Décor 3: *ESD version* — **Version select:** fronts / carcase / plinth: front white — **Pro version:** fronts / carcase / plinth: front white

Tall units

Hinged door wardrobe with full glazing

Equipment:
- 3 adjustable shelves
- 1 fixed shelf



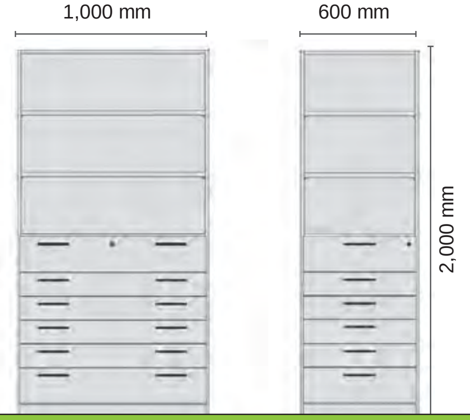
Hinged door wardrobe with full glazing

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	Width 1,000 mm	Width 600 mm	Width 1,000 mm	Width 600 mm
① select	ELCCS.1405.x	ELCCS.6405.x.y	ELCCS.1605.x	ELCCS.6605.x.y
② per	ELCCP.1405.x	ELCCP.6405.x.y	ELCCP.1605.x	ELCCP.6605.x.y

Hinged door cabinet with 1/2 hinged doors and 6 drawers

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- 6 drawers, hinged on the outside

Useful drawer heights: 1 drawer NH 160 mm
4 drawers NH 110 mm
1 drawer NH 170 mm



Hinged door wardrobe with 1 / 2 hinged doors, drawers opening on the outside

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	Width 1,000 mm	Width 600 mm	Width 1,000 mm	Width 600 mm
① select	ELCCS.1406.x	ELCCS.6406.x.y	ELCCS.1606.x	ELCCS.6606.x.y
② per	ELCCP.1406.x	ELCCP.6406.x.y	ELCCP.1606.x	ELCCP.6606.x.y

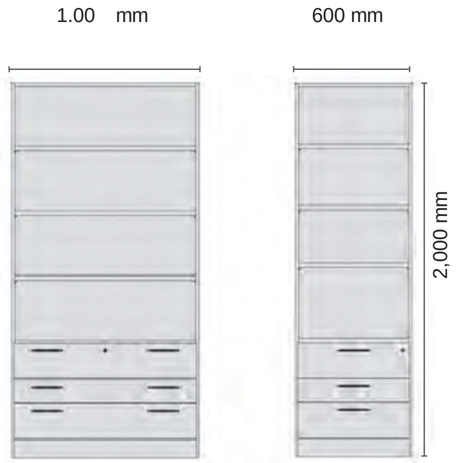
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Hinged door wardrobe with 2/3 hinged doors and 3 drawers

Equipment:
- 3 adjustable shelves
- 1 fixed shelf
- 3 drawers, hinged on the outside

Useful drawer heights: 1 drawer NH 160 mm
1 Drawer NH 110 mm
1 Drawer NH 170 mm



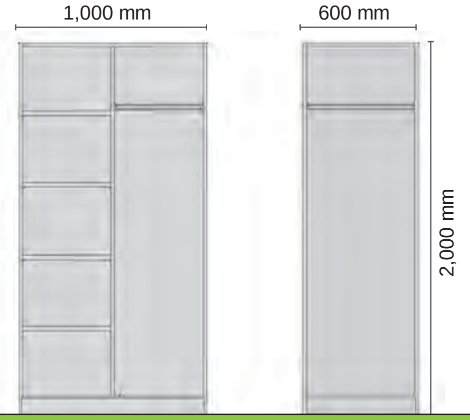
Hinged door wardrobe with 2 / 3 hinged doors, drawers opening on the outside

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	Width 1,000 mm	Width 600 mm	Width 1,000 mm	Width 600 mm
① select	ELCCS.1407.x	ELCCS.6407.x.y	ELCCS.1607.x	ELCCS.6607.x.y
② per	ELCCP.1407.x	ELCCP.6407.x.y	ELCCP.1607.x	ELCCP.6607.x.y

Wardrobe with full doors

Equipment Width 1,000 mm:
- 3 adjustable shelves
- 1 fixed shelf
- 1 coat rail
- 1 center page

Equipment Width 600 mm:
- 1 coat rail



Hinged door wardrobe with full doors, coat rack

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	Width 1,000 mm	Width 600 mm	Width 1,000 mm	Width 600 mm
① select	ELCCS.1408.x	ELCCS.6408.x.y	ELCCS.1608.x	ELCCS.6608.x.y
② per	ELCCP.1408.x	ELCCP.6408.x.y	ELCCP.1608.x	ELCCP.6608.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

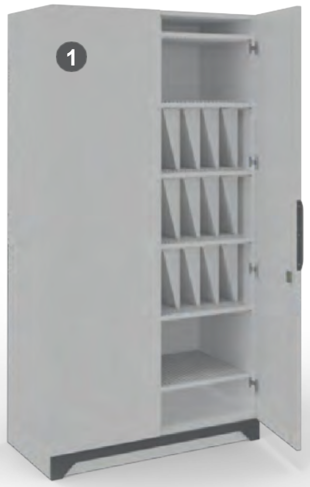
Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

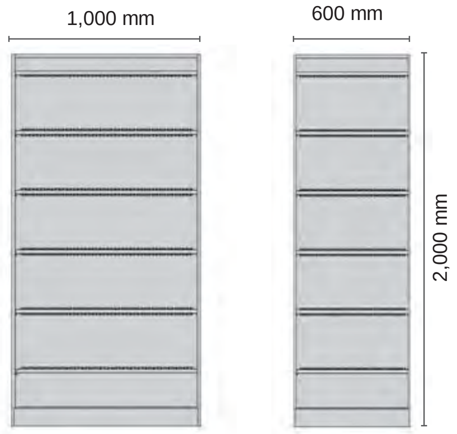
Tall units

Slotted mat cabinet with full doors, for DIN A4 teaching materials

Equipment:
- 4 slotted mat shelves, covered on both sides
- 2 slotted mat shelves, fitted on one side

Shelves made of chipboard (heavy-duty shelves)





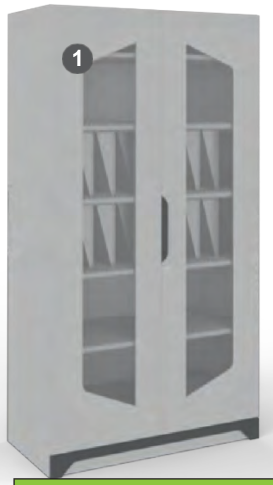
Hinged door wardrobe with full doors, with grooved mats

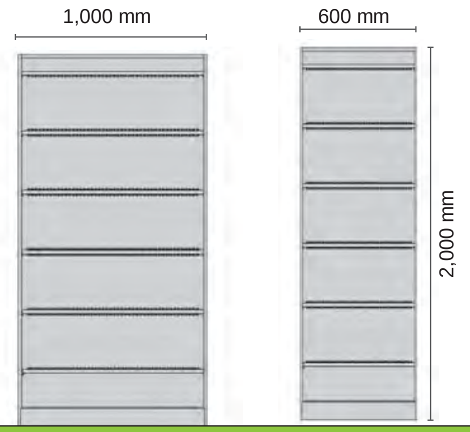
	Cabinet depth 420 mm		Cupboard depth 600 mm	
Version	**Width 1,000 mm**	**Width 600 mm**	**Width 1.000 mm**	**Width 600 mm**
① **select**	ELCCS.1409.x	ELCCS.6409.x.y	ELCCS.1609.x	ELCCS.6609.x.y
② **per**	ELCCP.1409.x	ELCCP.6409.x.y	ELCCP.1609.x	ELCCP.6609.x.y

Slotted mat cabinet with full glazing, for DIN A4 teaching materials

Equipment:
- 4 slotted mat shelves, covered on both sides
- 2 slotted mat shelves, fitted on one side

Shelves made of chipboard (heavy-duty shelves)





Hinged door wardrobe with full glazing, with grooved mats

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1410.x	ELCCS.6410.x.y	ELCCS.1610.x	ELCCS.6610.x.y
② **per**	ELCCP.1410.x	ELCCP.6410.x.y	ELCCP.1610.x	ELCCP.6610.x.y

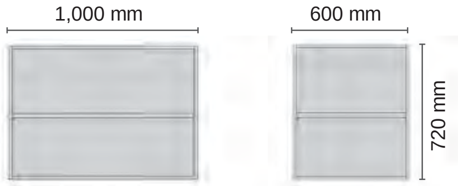
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Top cabinets and accessories

Top-mounted cupboard without ladder panel with full doors, glass doors on request

Equipment:
- without conductor cover
- 1 adjustable shelf

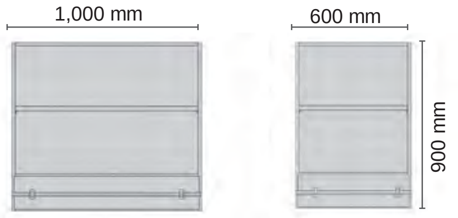


Top-mounted hinged door wardrobe without ladder panel

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Version	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1420.x	ELCCS.6420.x.y	ELCCS.1620.x	ELCCS.6620.x.y
② **per**	ELCCP.1420.x	ELCCP.6420.x.y	ELCCP.1620.x	ELCCP.6620.x.y

Top-mounted cupboard with ladder panel and full doors, glass doors on request

Equipment:
- with ladder cover
- 1 stainless steel guide for ladder
- 1 adjustable shelf



Top-mounted hinged door wardrobe with ladder panel

	Cabinet depth 420 mm		Cupboard depth 600 mm	
Execution	**Width 1,000 mm**	**Width 600 mm**	**Width 1,000 mm**	**Width 600 mm**
① **select**	ELCCS.1421.x	ELCCS.6421.x.y	ELCCS.1621.x	ELCCS.6621.x.y
② **per**	ELCCP.1421.x	ELCCP.6421.x.y	ELCCP.1621.x	ELCCP.6621.x.y

Accessories:

③ **Step ladder for top cabinets with ladder panel**

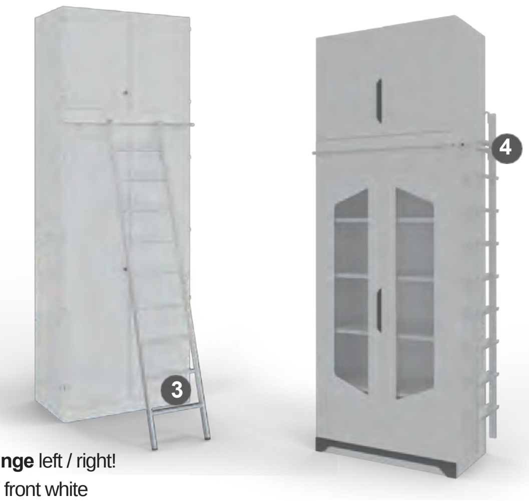
- incl. 4 hooks for use and parking position, anodized uprights
- Steps with non-slip, profiled plastic covering
- Width 410mm, height 2200mm
- Weight: 8 kg

Order no.: ELCC.100.1

④ **Additional ladder holder**

Optionally mountable on the wall or on the side of the cabinet

Order no.: ELCC.100.2



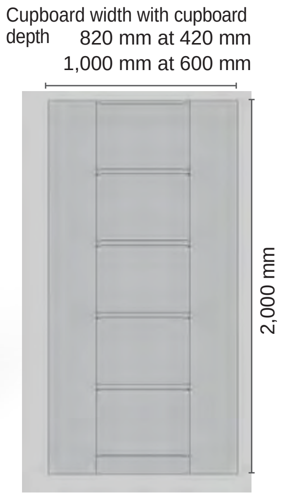
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Corner cabinets

Corner hinged door wardrobe with full doors

Equipment:
- 3 adjustable shelves
- 1 fixed shelf

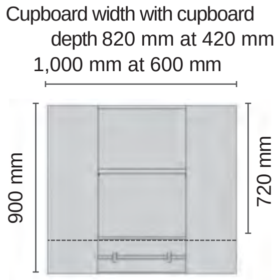


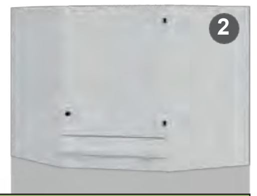
Corner hinged door wardrobe with full doors		
Execution	**Cabinet depth 420 mm**	**Cupboard depth 600 mm**
① **select**	ELCCS.1411.x.y	ELCCS.6411.x.y
② **per**	ELCCP.1411.x.y	ELCCP.6411.x.y

Corner top cabinet with and without ladder panel with full doors.

Equipment without conductor cover:
- 1 adjustable shelf

Equipment with conductor cover:
- 1 stainless steel guide for ladder
- 1 adjustable shelf





	Top-mounted hinged door wardrobe without ladder panel		Top-mounted hinged door wardrobe with ladder panel	
Execution	**Cabinet depth 420 mm**	**Cupboard depth 600 mm**	**Cabinet depth 420 mm**	**Cupboard depth 600 mm**
① **select**	ELCCS.1422.x.y	ELCCS.1622.x.y	ELCCS.1423.x.y	ELCCS.1623.x.y
② **per**	ELCCP.1422.x.y	ELCCP.1622.x.y	ELCCP.1423.x.y	ELCCP.1623.x.y

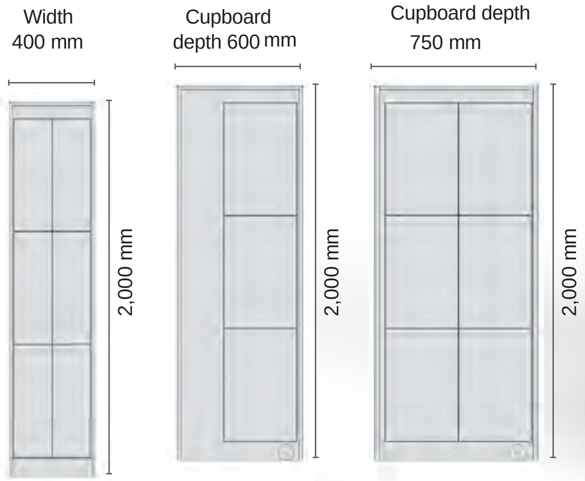
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

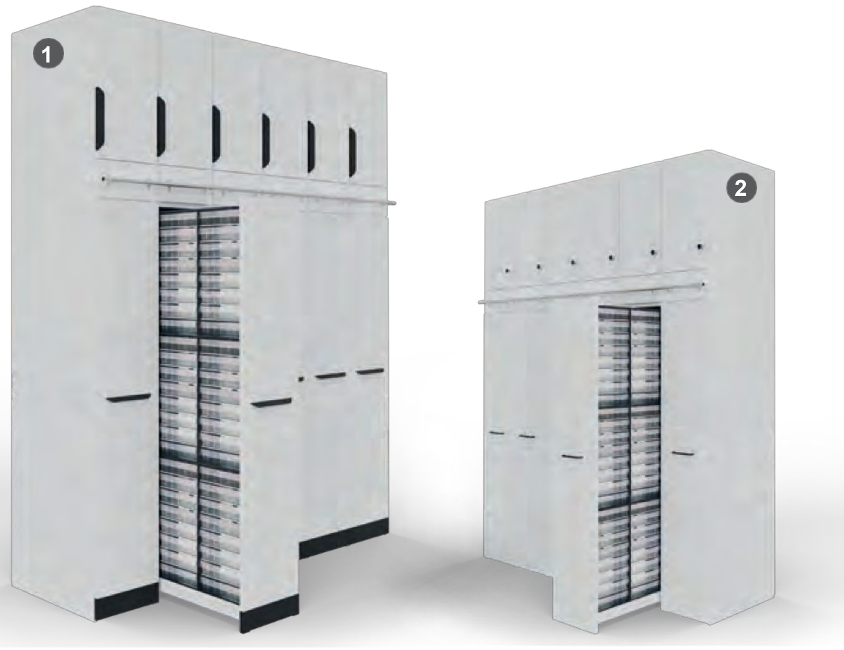
Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Pharmacy cabinets for small parts magazine

Pharmacy cabinets for small parts magazine

With sturdy pull-out for small parts magazine



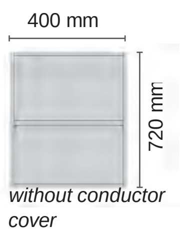


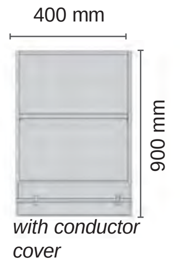
Pharmacy cabinets for small parts magazine				
Execution	**Size 1 (W x D x H) 400 x 600 x 2000 mm**	**Small parts magazine capacity**	**Size 2 (W x D x H) 400 x 750 x 2000 mm**	**Small parts magazine capacity**
① **select**	ELCCS.4601.x	6 pieces / 3 per side	ELCCS.4701.x	12 pieces / 6 per side
② **per**	ELCCP.4601.x	6 pieces / 3 per side	ELCCP.4701.x	12 pieces / 6 per side

Order no.: Aluminum impact protection outside of cupboard for cupboard depth 750 mm, only possible with select version: **graphite black:** ELCC.AS.3 or **front white:** ELCC.AS.4

Matching top cabinet

with hinged door,
With or without ladder panel
for pharmacy cabinets





Matching top cabinet for pharmacy cabinets				
Execution	**Size 1 (W x D x H)**		**Size 2 (W x D x H)**	
	Without ladder cover 400 x 600 x 720 mm	**with ladder cover 400 x 600 x 900 mm**	**Without ladder cover 400 x 750 x 720 mm**	**with ladder cover 400 x 750 x 900 mm**
① **select**	ELCCS.4620.x.y	ELCCS.4621.x.y	ELCCS.4720.x.y	ELCCS.4721.x.y
② **per**	ELCCP.4620.x.y	ELCCP.4621.x.y	ELCCP.4720.x.y	ELCCP.4721.x.y

Small parts magazine with drawers

Magazine size (W x D x H) each: 306 x 150 x 552 mm

Material: Steel, drawers polypropylene (PP); ESD version: Steel, drawers ESD polypropylene (PP), incl. earthing cable

Small parts magazines						
Execution	**8 drawers**	**16 drawers**	**24 drawers**	**40 drawers**	**48 drawers**	**60 drawers**
without ESD	ELCC.100.10.081	ELCC.100.10.161	ELCC.100.10.241	ELCC.100.10.401	ELCC.100.10.481	ELCC.100.10.601
with ESD			ELCC.100.10.242		ELCC.100.10.482	ELCC.100.10.602

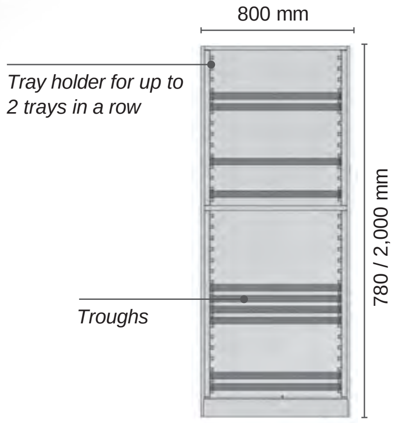
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Trough cabinets

Hopper cupboards
with full doors, for teaching material boxes

Equipment:
- Left and right with holder for troughs
- 1 middle shelf for enclosure height 2,000 mm



Trough cabinets			
Execution	**W x D**	**Height 780 mm**	**Height 2,000 mm**
① select	800 x 740 mm	ELCCS.8701.x	ELCCS.8702.x
② per	800 x 740 mm	ELCCP.8701.x	ELCCP.8702.x

Troughs
2 trays can be inserted in each row of the tray holder.

Troughs		
W x D x H	**Trays for 10 experiment boxes**	**Troughs for installation material**
700 x 310 x 35 mm	ELCC.100.20.10	ELCC.100.20.11

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**!

Decor 1: *Non-conductive* **Version select:** fronts / carcase: front white; plinth: graphite black / front white
Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Lockers

More general Note on the decor

Execution select

Decor 1:
Non-conductive
Fronts: front white
Carcass: graphite black; base: graphite black / front white

Decor 2:
Non-conductive
fronts / carcase / plinth: front white

Decor 3:
ESD version
fronts / carcase / plinth: front white

Version per

decor 1:
Non-conductive
fronts / carcass: front white

Decor 2:
-

Decor 3:
ESD version
Fronts / carcass: front white

Cover panel 19 mm, optionally with anti-fingerprint surface, with aluminum impact protection on the outside of the enclosure, see page 329 ff.

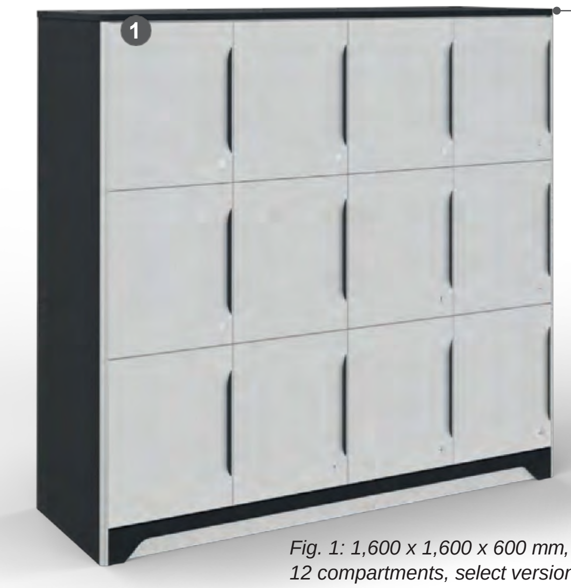


Fig. 1: 1,600 x 1,600 x 600 mm, 12 compartments, select version.

Cover plate 30 mm, see page 329 ff.

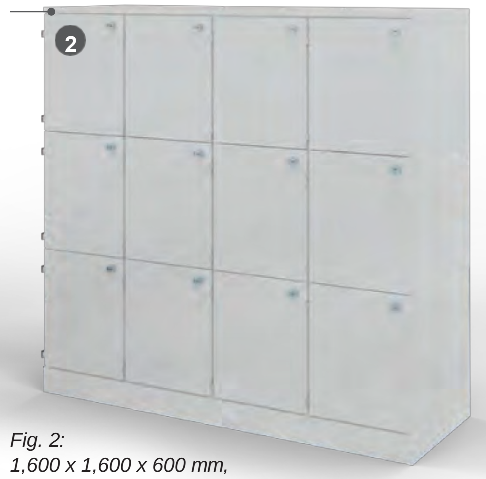
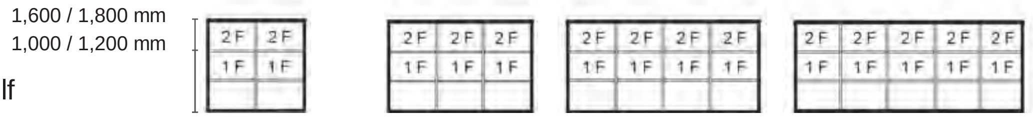


Fig. 2: 1,600 x 1,600 x 600 mm, 12 compartments, version per.

Lockers
with doors

Equipment for locker cabinets with width:
800 mm: 1 center wall
1,200 mm: 2 center walls
1,600 mm: 3 center walls
2,000 mm: 4 center walls



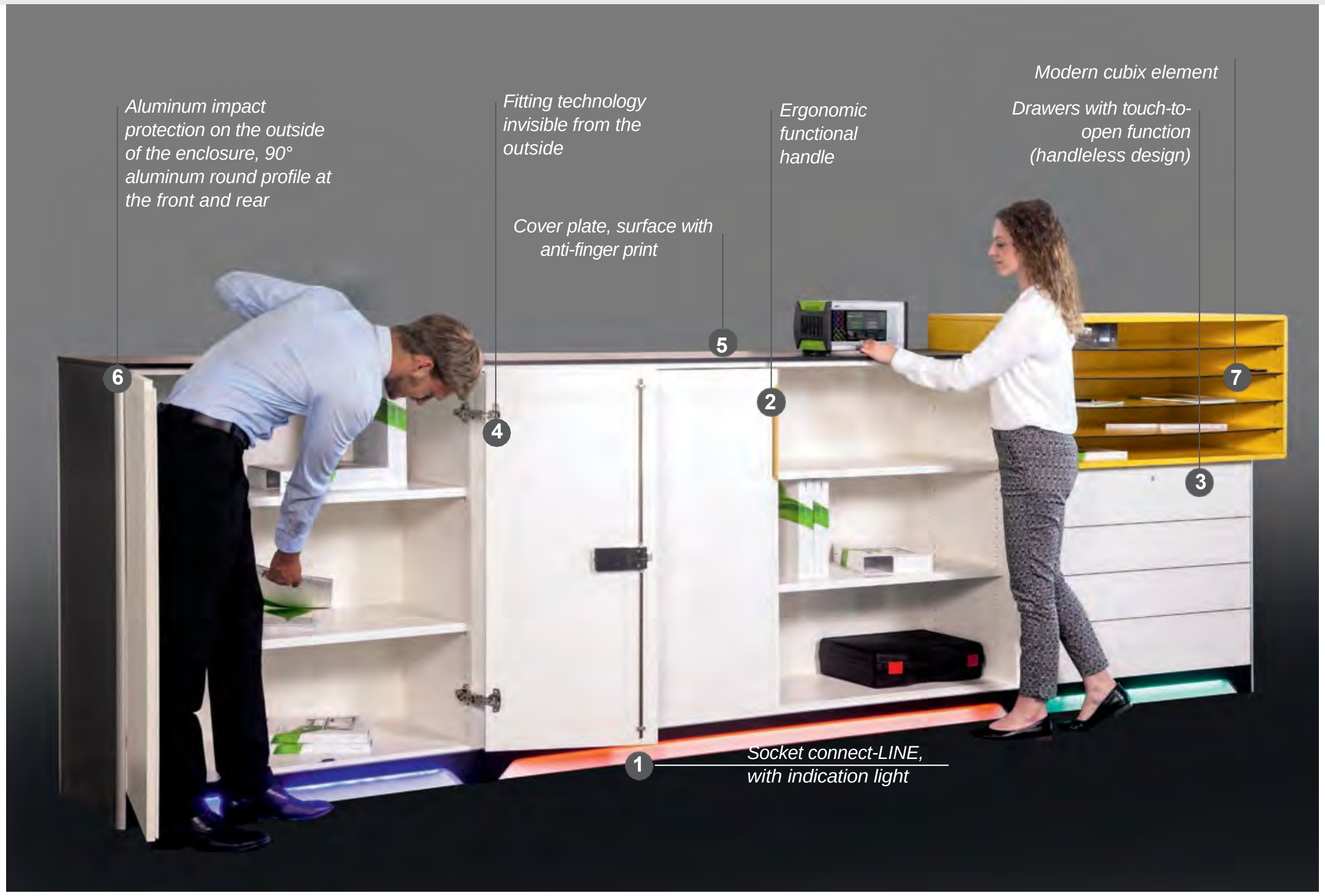
F= Shelf

Lockers with doors					
Depth	**Height**	**Width**			
① **elneos cubix select**		**800 mm**	**1,200 mm**	**1,600 mm**	**2,000 mm**
424 mm	**1,000 mm**	ELCCS.8451.x	ELCCS.2451.x	ELCCS.6451.x	ELCCS.0451.x
	1,200 mm	ELCCS.8452.x	ELCCS.2452.x	ELCCS.6452.x	ELCCS.0452.x
	1,600 mm	ELCCS.8453.x	ELCCS.2453.x	ELCCS.6453.x	ELCCS.0453.x
	1,800 mm	ELCCS.8454.x	ELCCS.2454.x	ELCCS.6454.x	ELCCS.0454.x
605 mm	**1,000 mm**	ELCCS.8651.x	ELCCS.2651.x	ELCCS.6651.x	ELCCS.0651.x
	1,200 mm	ELCCS.8652.x	ELCCS.2652.x	ELCCS.6652.x	ELCCS.0652.x
	1,600 mm	ELCCS.8653.x	ELCCS.2653.x	ELCCS.6653.x	ELCCS.0653.x
	1,800 mm	ELCCS.8654.x	ELCCS.2654.x	ELCCS.6654.x	ELCCS.0654.x
② **elneos cubix pro**		**800 mm**	**1,200 mm**	**1,600 mm**	**2,000 mm**
424 mm	**1,000 mm**	ELCCP.8451.x	ELCCP.2451.x	ELCCP.6451.x	ELCCP.0451.x
	1,200 mm	ELCCP.8452.x	ELCCP.2452.x	ELCCP.6452.x	ELCCP.0452.x
	1,600 mm	ELCCP.8453.x	ELCCP.2453.x	ELCCP.6453.x	ELCCP.0453.x
	1,800 mm	ELCCP.8454.x	ELCCP.2454.x	ELCCP.6454.x	ELCCP.0454.x
605 mm	**1,000 mm**	ELCCP.8651.x	ELCCP.2651.x	ELCCP.6651.x	ELCCP.0651.x
	1,200 mm	ELCCP.8652.x	ELCCP.2652.x	ELCCP.6652.x	ELCCP.0652.x
	1,600 mm	ELCCP.8653.x	ELCCP.2653.x	ELCCP.6653.x	ELCCP.0653.x
	1,800 mm	ELCCP.8654.x	ELCCP.2654.x	ELCCP.6654.x	ELCCP.0654.x

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

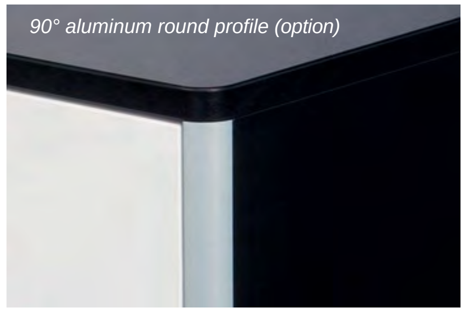
Décor 1: *Non-conductive* **Version select:** fronts : front white; carcass: graphite black, Base: graphite black / front white **Version pro:** fronts / carcass: front white
Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase: front white

Sideboards elneos ® cubix

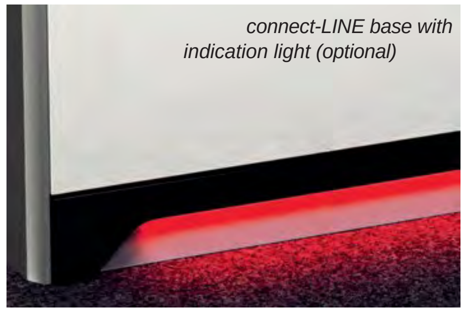

Aluminum impact protection on the outside of the enclosure, 90° aluminum round profile at the front and rear
Fitting technology invisible from the outside
Cover plate, surface with anti-finger print
Ergonomic functional handle
Modern cubix element
Drawers with touch-to-open function (handleless design)
6
4
5
2
7
3
1
Socket connect-LINE, with indication light

Sliding door wardrobe with floating doors

Hinged door wardrobe with fittings that are invisible from the outside


90° aluminum round profile (option)

Touch-to-open (option)


connect-LINE base with indication light (optional)

Sideboards elneos® cubix

The sideboards in the elneos cubix series meet the highest quality standards. They are used in technology, laboratories and offices. The cabinets are equipped with hinged doors, drawers, sliding doors or roller drawers. There are 2 different versions to choose from, **select** or **pro**. These differ in function and design.

Special features of the design select:

New design language (standard): Handles and plinth follow the shape of the connector (see left ① to ② and page 330).

Touch-to-open technology (optional): Handleless design. Doors / drawers open by pressing lightly on the fronts. Note: Functional handles are not required (see left ③ and page 330).

New invisible fitting technology (standard): Hinged doors are fitted with high-quality fittings that are invisible from the outside (see left ④ and page 330)

New surfaces (optional): Anti-fingerprint surface to avoid unsightly fingerprints on the top panels of the sideboards

(see left ⑤ and page 330).

Aluminum impact protection on the outside of the sideboard (standard): Each corner, front and rear, is protected against impact by a 90° aluminum round profile (see left ⑥ and page 330).

Connect-LINE plinth lighting (optional): Integrated status display for open and closed. Alternative cabinet equipment

complete / incomplete (see left ① and page 330).

Modern cubix elements (optional): The side boards / wall units can be flexibly extended with the modern elneos cubix modules

(see left ⑦ and page 336).

Various locking systems (optional): Key, RFID or electronic central locking by radio (see page 342).

Technical design of the elneos cubix select and pro series:

- Cover panel: elneos cubix select 19 mm / elneos cubix pro 30 mm
- Rear panel: visible rear panel, 12 mm grooved
- Shelves: 25 mm thick, adjustable in hole pattern
- Rows of holes: In a 32 mm Euro fitting grid for flexible fitting with shelves. For 600 mm deep cupboards, 3 rows of holes are provided per cupboard side.
- Shelf supports: Made of metal, nickel-plated, with locking pin to prevent accidental removal.
- Hinged doors: High-density fine chipboard with textured, anti-glare plastic coating. Door opening angle elneos cubix select: 165° / elneos cubix pro: 270°.
- Sliding doors: floating mounted with perfect Running properties. With select version with Smart-Close as standard. With pro version at an extra charge.
- Roller shutter: Roller shutter system in silver-grey
- Drawers: with concealed ball cage guide and telescopic pull-out and pull-out stop (Stop-Control). Drawers generally with full-extension runners.

  Usable size for 434 / 474 mm cupboard:
  327 mm width,
  330 mm depth for 424 mm cupboard depth and
  490 mm depth for 605 mm cupboard depth

  Usable dimensions for 804 / 844 mm cupboard:
  690 mm width,
  326 mm depth with 424 mm cabinet depth and
  491 mm depth with 605 mm cabinet depth

  Usable size for 1,004 / 1,044 mm cupboard:
  890 mm width,
  326 mm depth with 424 mm cabinet depth and
  491 mm depth with 605 mm cabinet depth
- Lock: All-metal espagnolette bolt espagnolette bolt lock and security locking cylinder, suitable for general and master key systems, optionally with electronic locking system or RFID.
- Plinth construction:
  elneos cubix select: Integrated cupboard plinth, 100 mm high, elneos cubix pro: Without functional plinth.

Sideboards elneos® cubix select

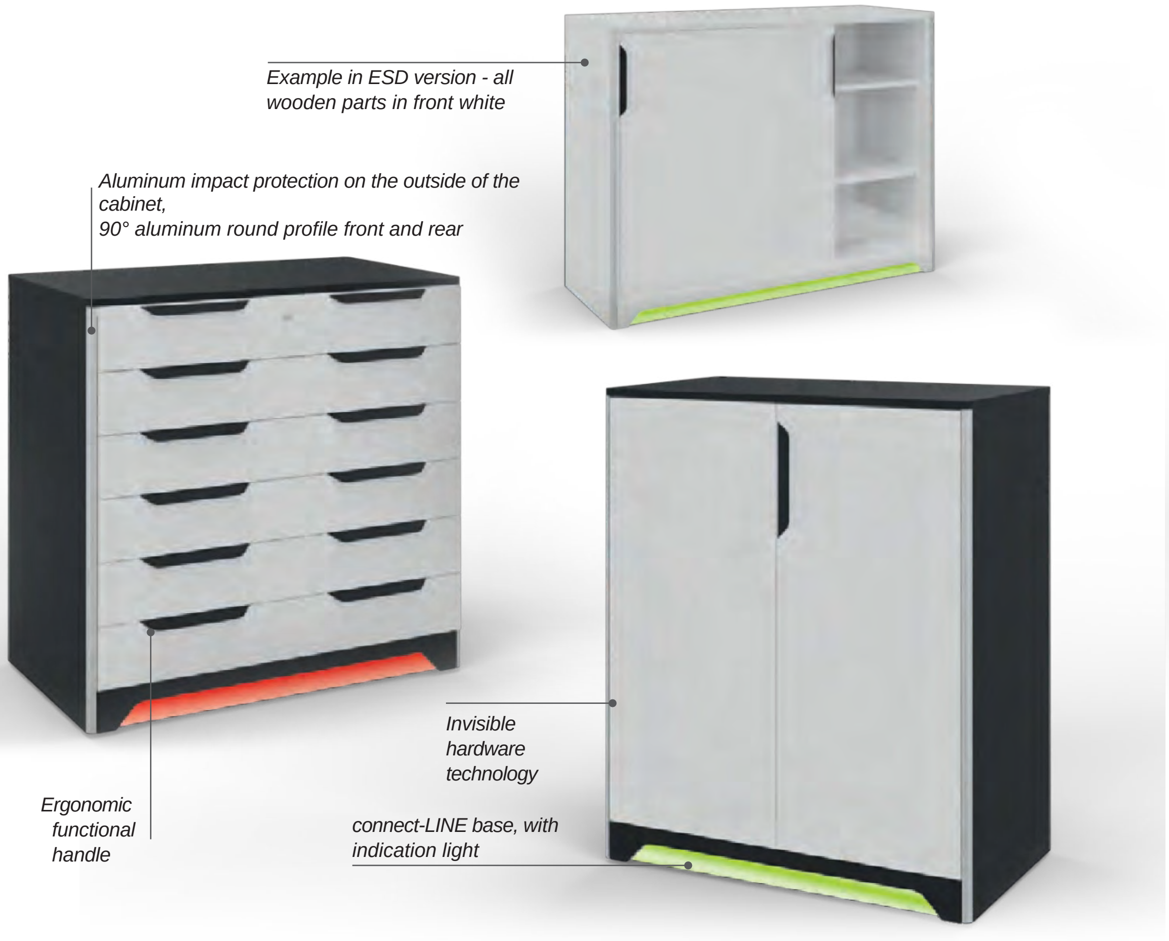
ergonomic functional handles:

graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

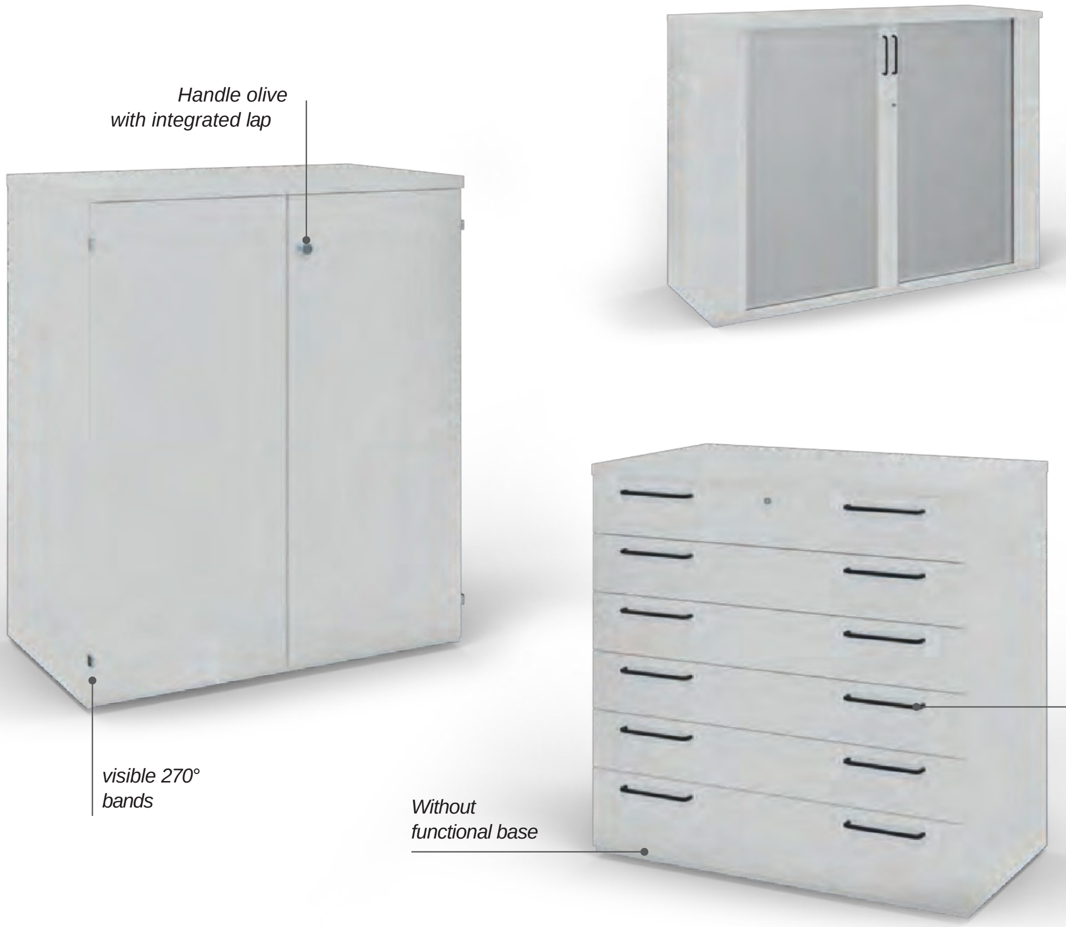
zinc yellow (RAL1018) ELCCS5


Example in ESD version - all wooden parts in front white
Aluminum impact protection on the outside of the cabinet,
90° aluminum round profile front and rear
Invisible hardware technology
Ergonomic functional handle
connect-LINE base, with indication light

Overview of elneos cubix sideboards - select version vs. pro version

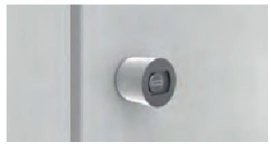
Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm Design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Sliding doors	with Smart Close	Surcharge for Smart-Close
Cover plate	19 mm	30 mm
Aluminum impact protection on the outside of cabinets	graphite black or optionally front white	not available
Base	Recessed functional base connect-LINE for optional mounting of the indication light Design follows the shape of the connector	Without functional base
Optional design options	**with select**	for pro
Touch-to-open, Handleless design for doors and drawers	✓	✓
Anti-fingerprint surface	✓	not available
Pedestal lighting	Indication light, green = open, red = closed, alternatively full/incomplete cabinet assembly	not available
Expandable with Cubix modules (see page 336)	✓	not available
Various locking systems	✓	✓

Sideboards elneos® cubix pro


Handle olive with integrated lap
visible 270° bands
Without functional base
Bow handle

Handles:

Drawers: Bow handle, black Serie



Cupboard doors: Handle olive with integrated drawer Series

Optional cabinet fittings for elneos cubix sideboards, select and pro versions

Order overview of options and extensions		
Touch-to-open function for doors and drawers (handleless design)		ELCC.TTO.1
Smart close function for drawers		ELCC.SC.1
Smart close function for sliding doors (for pro version, standard for select)		ELCC.SC.2
Anti-fingerprint surface		ELCC.AF.1
Shelves 25 mm		ELCC.FB.1
Shelves made of chipboard		ELCC.FB.2
Indication light socket connect-LINE *	RGB with **remote control** for color selection	ELC2.9.I.1
	green= **open**, red= **closed**	ELC2.9.I.2
	Cabinet assembly complete / incomplete	ELC2.9.I.3
Castor set for sideboards and seating furniture		ELCC.RS
Electronic locking by radio or RFID		see page 342

Castor set for mobile sideboards:

The castor set consists of 4 swivel castors. Ø 75/100 mm. Two swivel castors are lockable. The specified height of a sideboard includes the height of the castors. **Order no.: ELCC.RS Note:** For sideboards with drawers, one drawer (approx. 2 U) is omitted!

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* only for select version. Not possible with pro version.

Sideboards with hinged door

General information on the decor

Design select

decor 1:
Non-conductive
Fronts: front white Carcass: graphite black; Base: graphite black / front white

Decor 2:
Non-conductive
fronts / carcase / plinth: front white

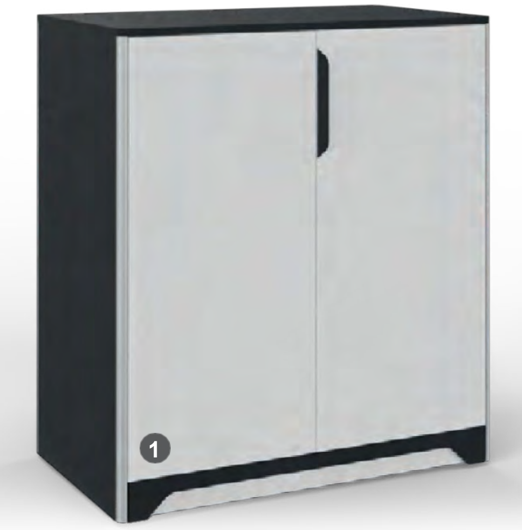
Decor 3:
ESD version
fronts / carcase / plinth: front white

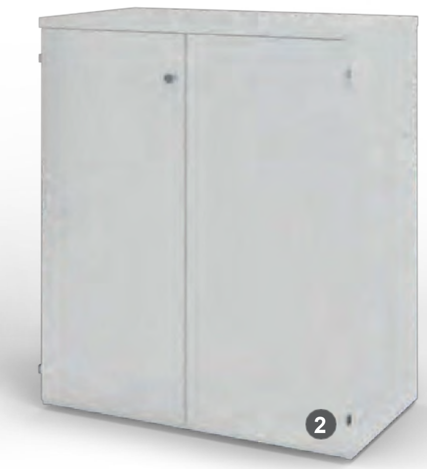
Version per

decor 1:
Non-conductive
fronts / carcass: front white

Decor 2:
-

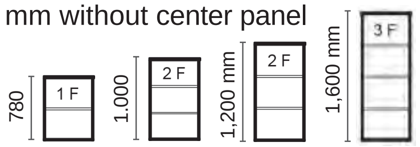
Decor 3:
ESD version
fronts / carcase: front white





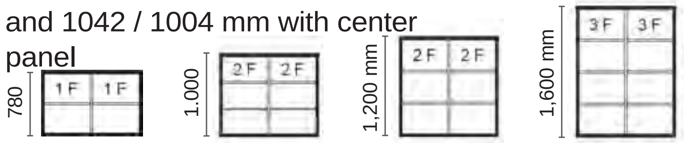
Sideboards with full doors

Equipment
for sideboard, width 472 / 434 mm without center panel



Equipment
for sideboard, width 842 / 804 mm and 1042 / 1004 mm with center panel

F= Shelf



Sideboards with hinged doors				
Depth	**Height**	**Width**		
❶elneos cubix select		**474 mm**	**844 mm**	**1,044 mm**
424 mm	**780 mm**	ELCCS.4411.x.y	ELCCS.8411.x	ELCCS.0411.x
	1,000 mm	ELCCS.4412.x.y	ELCCS.8412.x	ELCCS.0412.x
	1,200 mm	ELCCS.4413.x.y	ELCCS.8413.x	ELCCS.0413.x
	1,600 mm	ELCCS.4414.x.y	ELCCS.8414.x	ELCCS.0414.x
605 mm	**780 mm**	ELCCS.4611.x.y	ELCCS.8611.x	ELCCS.0611.x
	1,000 mm	ELCCS.4612.x.y	ELCCS.8612.x	ELCCS.0612.x
	1,200 mm	ELCCS.4613.x.y	ELCCS.8613.x	ELCCS.0613.x
	1,600 mm	ELCCS.4614.x.y	ELCCS.8614.x	ELCCS.0614.x
❷elneos cubix pro		**434 mm**	**804 mm**	**1.004 mm**
424 mm	**780 mm**	ELCCP.4411.x.y	ELCCP.8411.x	ELCCP.0411.x
	1,000 mm	ELCCP.4412.x.y	ELCCP.8412.x	ELCCP.0412.x
	1,200 mm	ELCCP.4413.x.y	ELCCP.8413.x	ELCCP.0413.x
	1,600 mm	ELCCP.4414.x.y	ELCCP.8414.x	ELCCP.0414.x
605 mm	**780 mm**	ELCCP.4611.x.y	ELCCP.8611.x	ELCCP.0611.x
	1,000 mm	ELCCP.4612.x.y	ELCCP.8612.x	ELCCP.0612.x
	1,200 mm	ELCCP.4613.x.y	ELCCP.8613.x	ELCCP.0613.x
	1,600 mm	ELCCP.4614.x.y	ELCCP.8614.x	ELCCP.0614.x

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive*	**Version select:** fronts : front white; carcass: graphite black, Base: graphite black / front white	**Version pro:** fronts / carcass: front white
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white	**Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white	**Pro version:** fronts / carcase: front white

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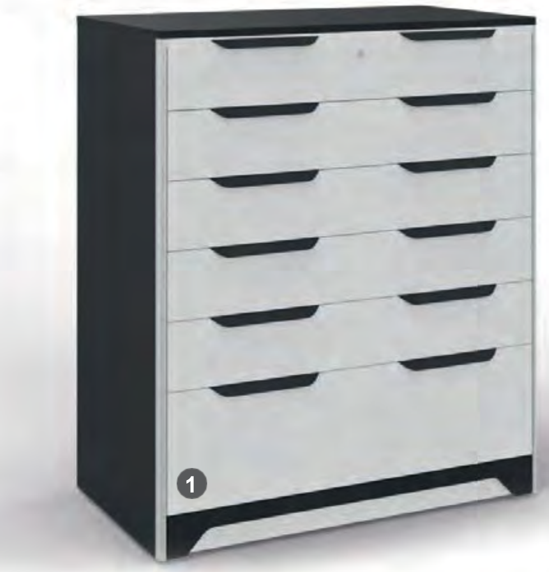
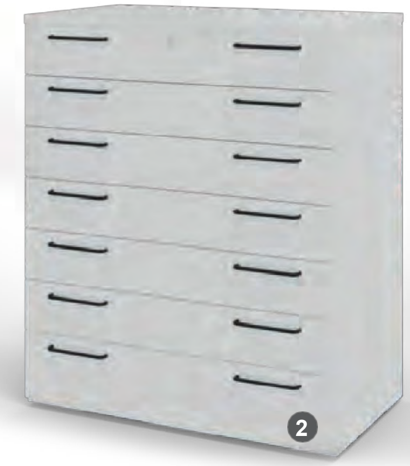
Sideboards with drawers





Sideboards
with drawers

Equipment Drawers, partly doors. See order table for layout.

Sideboards with drawers / hinged doors					
Depth	**Height**	**Width**			
❶elneos cubix select		**474 mm**	**844 mm**	**1,044 mm**	Division of drawers / doors
424 mm	**780 mm**	ELCCS.4421.x	ELCCS.8421.x	ELCCS.0421.x	4x 3 U
	1,000 mm	ELCCS.4422.x	ELCCS.8422.x	ELCCS.0422.x	1x 3 U, 2x 4 U, 1x 5 U
	1,200 mm	ELCCS.4423.x	ELCCS.8423.x	ELCCS.0423.x	5x 3 U, 1x 5 U
	1,600 mm	ELCCS.4424.x	ELCCS.8424.x	ELCCS.0424.x	Top door(s), bottom: 4x 3 U
605 mm	**780 mm**	ELCCS.4621.x	ELCCS.8621.x	ELCCS.0621.x	4x 3 U
	1,000 mm	ELCCS.4622.x	ELCCS.8622.x	ELCCS.0622.x	1x 3 U, 2x 4 U, 1x 5 U
	1,200 mm	ELCCS.4623.x	ELCCS.8623.x	ELCCS.0623.x	5x 3 U, 1x 5 U
	1,600 mm	ELCCS.4624.x.y	ELCCS.8624.x	ELCCS.0624.x	Top door(s), bottom: 4x 3 U
❷elneos cubix pro		**434 mm**	**804 mm**	**1.004 mm**	Division of drawers / doors
424 mm	**780 mm**	ELCCP.4421.x	ELCCP.8421.x	ELCCP.0421.x	2x 3 U, 2x 4 U
	1,000 mm	ELCCP.4422.x	ELCCP.8422.x	ELCCP.0422.x	1x 3 U, 2x 4 U, 1x 7 U
	1,200 mm	ELCCP.4423.x	ELCCP.8423.x	ELCCP.0423.x	6x 3 U, 1x 4 U
	1,600 mm	ELCCP.4424.x	ELCCP.8424.x	ELCCP.0424.x	Top door(s), bottom: 2x 3 U, 2x 4 U
605 mm	**780 mm**	ELCCP.4621.x	ELCCP.8621.x	ELCCP.0621.x	2x 3 U, 2x 4 U
	1,000 mm	ELCCP.4622.x	ELCCP.8622.x	ELCCP.0622.x	1x 3 U, 2x 4 U, 1x 7 U
	1,200 mm	ELCCP.4623.x	ELCCP.8623.x	ELCCP.0623.x	6x 3 U, 1x 4 U
	1,600 mm	ELCCP.4624.x.y	ELCCP.8624.x	ELCCP.0624.x	Top door(s), bottom: 2x 3 U, 2x 4 U

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

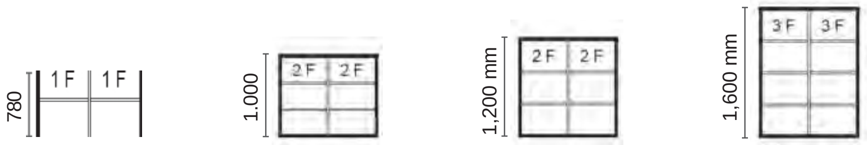
Décor 1: *Non-conductive*	**Version select:** fronts : front white; carcass: graphite black, Base: graphite black / front white	**Version pro:** fronts / carcass: front white
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white	**Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white	**Pro version:** fronts / carcase: front white

Sideboards with sliding door

Sideboards
with sliding doors

Equipment for sideboard,
Width 1200 to 2000 mm with center wall

F= Shelf



Sideboards with sliding doors					
Depth	**Height**	**Width**			
① elneos cubix select		**1,200 mm**	**1,600 mm**	**1,800 mm**	**2,000 mm**
424 mm	**780 mm**	ELCCS.2431.x	ELCCS.6431.x	ELCCS.8431.x	ELCCS.0431.x
	1,000 mm	ELCCS.2432.x	ELCCS.6432.x	ELCCS.8432.x	ELCCS.0432.x
	1,200 mm	ELCCS.2433.x	ELCCS.6433.x	ELCCS.8433.x	ELCCS.0433.x
	1,600 mm	ELCCS.2434.x	ELCCS.6434.x	ELCCS.8434.x	ELCCS.0434.x
605 mm	**780 mm**	ELCCS.2631.x	ELCCS.6631.x	ELCCS.8631.x	ELCCS.0631.x
	1,000 mm	ELCCS.2632.x	ELCCS.6632.x	ELCCS.8632.x	ELCCS.0632.x
	1,200 mm	ELCCS.2633.x	ELCCS.6633.x	ELCCS.8633.x	ELCCS.0633.x
	1,600 mm	ELCCS.2634.x	ELCCS.6634.x	ELCCS.8634.x	ELCCS.0634.x
② elneos cubix pro		**1,200 mm**	**1,600 mm**	**1,800 mm**	**2,000 mm**
424 mm	**780 mm**	ELCCP.2431.x	ELCCP.6431.x	ELCCP.8431.x	ELCCP.0431.x
	1,000 mm	ELCCP.2432.x	ELCCP.6432.x	ELCCP.8432.x	ELCCP.0432.x
	1,200 mm	ELCCP.2433.x	ELCCP.6433.x	ELCCP.8433.x	ELCCP.0433.x
	1,600 mm	ELCCP.2434.x	ELCCP.6434.x	ELCCP.8434.x	ELCCP.0434.x
605 mm	**780 mm**	ELCCP.2631.x	ELCCP.6631.x	ELCCP.8631.x	ELCCP.0631.x
	1,000 mm	ELCCP.2632.x	ELCCP.6632.x	ELCCP.8632.x	ELCCP.0632.x
	1,200 mm	ELCCP.2633.x	ELCCP.6633.x	ELCCP.8633.x	ELCCP.0633.x
	1,600 mm	ELCCP.2634.x	ELCCP.6634.x	ELCCP.8634.x	ELCCP.0634.x

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive* **Version select:** fronts : front white; carcass: graphite black,
Base: graphite black / front white **Version pro:** fronts / carcass: front white

Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -

Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase: front white

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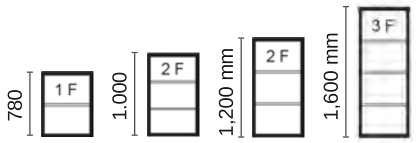
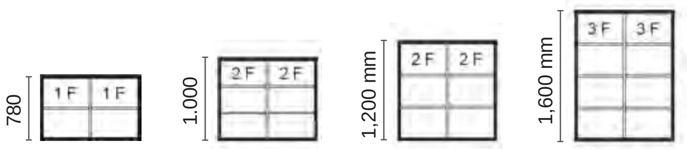
Sideboards with roller shutters

Sideboards
with roller
shutter

Equipment for sideboard width
800 mm without center panel



Equipment for sideboard
Width 1200 to 2000 mm with center wall



F= Shelf

Sideboards with roller shutters						
Depth	**Height**	**Width**				
① elneos cubix select		**800 mm**	**1,200 mm**	**1,600 mm**	**1,800 mm**	**2,000 mm**
424 mm	**780 mm**	ELCCS.441.x	ELCCS.2441.x	ELCCS.6441.x	ELCCS.8441.x	ELCCS.0441.x
	1,000 mm	ELCCS.442.x	ELCCS.2442.x	ELCCS.6442.x	ELCCS.8442.x	ELCCS.0442.x
	1,200 mm	ELCCS.443.x	ELCCS.2443.x	ELCCS.6443.x	ELCCS.8443.x	ELCCS.0443.x
	1,600 mm	ELCCS.444.x	ELCCS.2444.x	ELCCS.6444.x	ELCCS.8444.x	ELCCS.0444.x
605 mm	**780 mm**	ELCCS.641.x	ELCCS.2641.x	ELCCS.6641.x	ELCCS.8641.x	ELCCS.0641.x
	1,000 mm	ELCCS.642.x	ELCCS.2642.x	ELCCS.6642.x	ELCCS.8642.x	ELCCS.0642.x
	1,200 mm	ELCCS.643.x	ELCCS.2643.x	ELCCS.6643.x	ELCCS.8643.x	ELCCS.0643.x
	1,600 mm	ELCCS.644.x	ELCCS.2644.x	ELCCS.6644.x	ELCCS.8644.x	ELCCS.0644.x
② elneos cubix pro		**800 mm**	**1,200 mm**	**1,600 mm**	**1,800 mm**	**2,000 mm**
424 mm	**780 mm**	ELCCP.441.x	ELCCP.2441.x	ELCCP.6441.x	ELCCP.8441.x	ELCCP.0441.x
	1,000 mm	ELCCP.442.x	ELCCP.2442.x	ELCCP.6442.x	ELCCP.8442.x	ELCCP.0442.x
	1,200 mm	ELCCP.443.x	ELCCP.2443.x	ELCCP.6443.x	ELCCP.8443.x	ELCCP.0443.x
	1,600 mm	ELCCP.444.x	ELCCP.2444.x	ELCCP.6444.x	ELCCP.8444.x	ELCCP.0444.x
605 mm	**780 mm**	ELCCP.641.x	ELCCP.2641.x	ELCCP.6641.x	ELCCP.8641.x	ELCCP.0641.x
	1,000 mm	ELCCP.8642.x	ELCCP.2642.x	ELCCP.6642.x	ELCCP.8642.x	ELCCP.0642.x
	1,200 mm	ELCCP.643.x	ELCCP.2643.x	ELCCP.6643.x	ELCCP.8643.x	ELCCP.0643.x
	1,600 mm	ELCCP.644.x	ELCCP.2644.x	ELCCP.6644.x	ELCCP.8644.x	ELCCP.0644.x

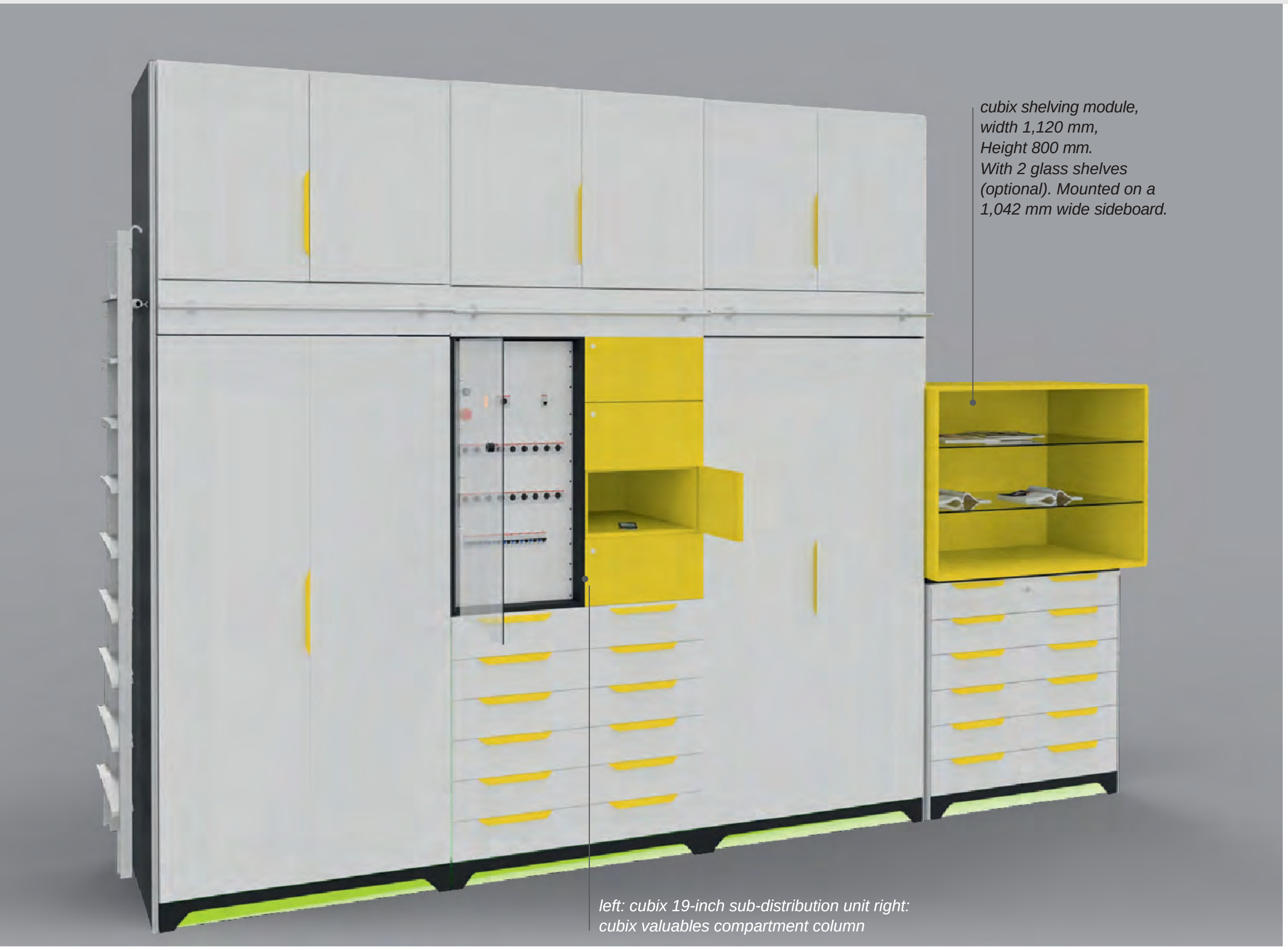
Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive* **Version select:** fronts : front white; carcass: graphite black,
Base: graphite black / front white **Version pro:** fronts / carcass: front white

Decor 2: *Non-conductive* **Version select:** fronts / carcase / plinth: front white **Version pro:** -

Décor 3: *ESD version* **Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase: front white

Modules for wall units / Sideboards



cubix shelving module, width 1,120 mm, Height 800 mm. With 2 glass shelves (optional). Mounted on a 1,042 mm wide sideboard.

left: cubix 19-inch sub-distribution unit right: cubix valuables compartment column

elneos® cubix Valuables compartment column Mounted on a sideboard or integrated in a cabinet. For storing valuables, size W: 475 x H: 992 mm. Divided into 4 compartments, usable size per compartment approx. W: 438 x H: 220 mm.
Locking with lock (optional electronic, RFID).

elneos cubix safe deposit box column

Cupboard depth	Order no.
420 mm	ELCC.WS44.x.y
600 mm	ELCC.WS46.x.y

elneos® cubix 19-inch room sub-distribution
Mounting on a sideboard or integrated in a cabinet. Size B: 525 x H: 992 mm to accommodate 21 U.
Optionally with lockable door (wood or glass). Note: The emergency stop can also be activated when the door is closed!

elneos cubix 19-inch room sub-distribution board

Cupboard depth	Order no.	Door optional
420 mm	ELCC.UV54.x	Wood: ELCC.UV.HT.y
600 mm	ELCC.UV56.x	Glass: ELCC.UV.GT.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3, .4, .5)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

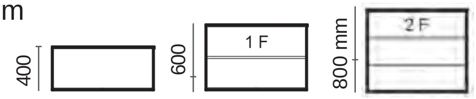
Decor 1: *Non-conductive.* Fronts / carcase: graphite black
Décor 2: *Non-conductive.* Fronts / carcase: front white
Décor 3: *ESD version.* Fronts / carcass: front white
Décor 4: . Fronts / carcase: chartreuse green (U19508)
Décor 5: *Non-conductive.* Fronts / carcase: zinc yellow (RAL 1018)

elneos® cubix Shelving modules

Mounted on a sideboard. With aluminum impact protection on the outer sides as standard. The shelf modules are configured so that they are always
100 mm to the side (right or left) and 50 mm to the front.
Locking with lock (optional electronic, RFID).

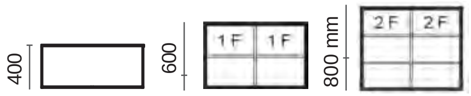
Equipment

for shelving modules up to 1,144 mm wide without center panel,
Wooden shelves 19 mm



Equipment

For shelving modules from width 1,300 mm with center panel, wooden shelves 19 mm



F= Shelf

elneos cubix shelf modules

		Suitable for sideboards with hinged doors and drawers with cabinet width...		*Suitable for sideboards with sliding doors and roller shutters with cabinet width...*				
		844 mm	*1,044 mm*	*800 mm*	*1,200 mm*	*1,600 mm*	*1,800 mm*	*2,000 mm*
Depth mm	**Height mm**	**Width**						
		944 mm	**1.144mm**	**900 mm**	**1,300 mm**	**1,700 mm**	**1,900 mm**	**2,100 mm**
474	**400**	ELCC.9441.x	ELCC.1141.x	ELCC.9041.x	ELCC.1341.x	ELCC.1741.x	ELCC.1941.x	ELCC.2141.x
	600	ELCC.9442.x	ELCC.1142.x	ELCC.9042.x	ELCC.1342.x	ELCC.1742.x	ELCC.1942.x	ELCC.2142.x
	800	ELCC.9443.x	ELCC.1143.x	ELCC.9043.x	ELCC.1343.x	ELCC.1743.x	ELCC.1943.x	ELCC.2143.x
655	**400**	ELCC.9461.x	ELCC.1161.x	ELCC.9061.x	ELCC.1361.x	ELCC.1761.x	ELCC.1961.x	ELCC.2161.x
	600	ELCC.9462.x	ELCC.1162.x	ELCC.9062.x	ELCC.1362.x	ELCC.1762.x	ELCC.1962.x	ELCC.2162.x
	800	ELCC.9463.x	ELCC.1163.x	ELCC.9063.x	ELCC.1363.x	ELCC.1763.x	ELCC.1963.x	ELCC.2163.x
Optionally with glass shelf order no.: ELCC.FB3								

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3, .4, .5)**! **Decor 3:** *ESD version.* Body: front white, impact protection: anodized aluminium
Decor 1: . Body: graphite black, impact protection: anodized aluminium **Décor 4:** *Non-conductive.* Body: chartreuse green (U19508), impact protection: anodized aluminium.
Decor 2: *Non-conductive.* Body: front white, impact protection: anodized aluminium **Decor 5:** *Non-conductive.* Body / impact protection (powder-coated aluminum): zinc yellow (RAL1018)

cubix shelving module, width 1,142 mm, Height 800 mm. With 2 glass shelves (optional). Mounting on a 1,042 mm wide Sideboard, decor 4.

cubix shelving module, width 1,142 mm, Height 400 mm. Mounting on a 1,042 mm wide sideboard. Entire wall unit incl. cubix shelving module in ESD design, decor 3.

Tool trolleys, parking garage, Lockers

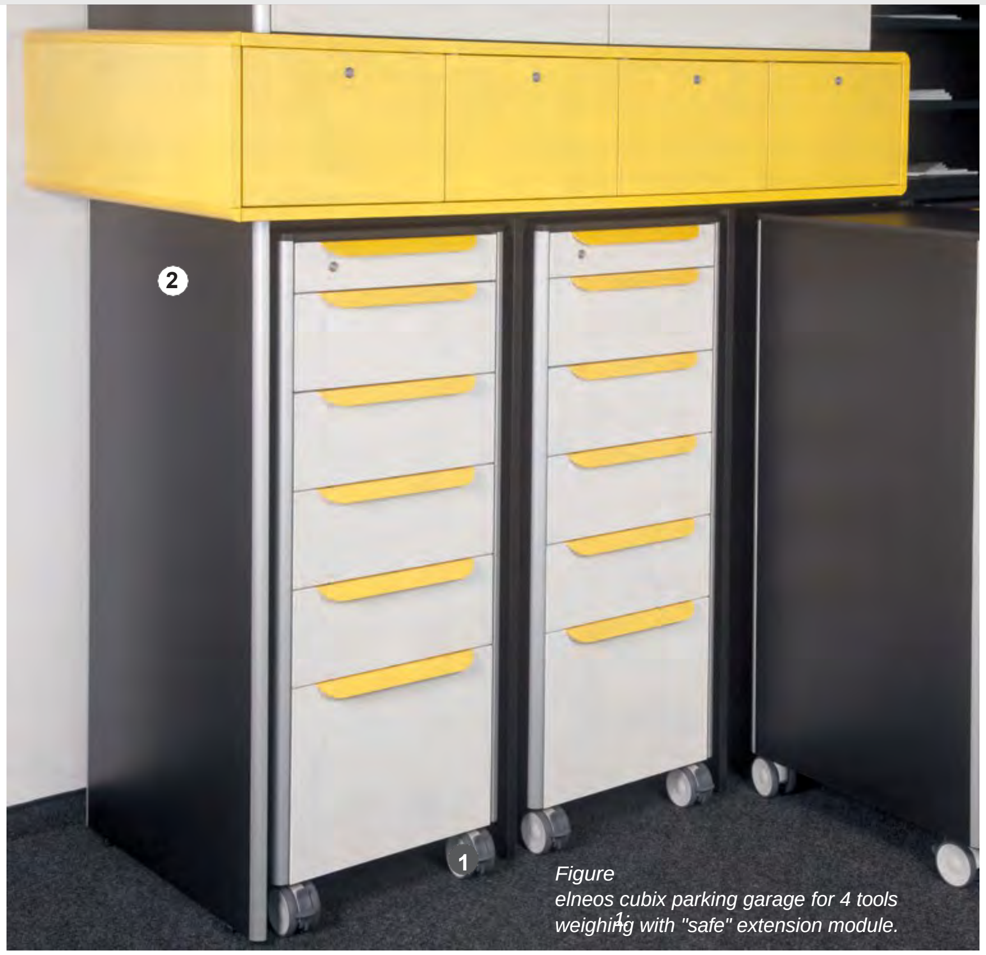


Figure
elneos cubix parking garage for 4 tools weighing with "safe" extension module.

Detailed view of hinged compartment

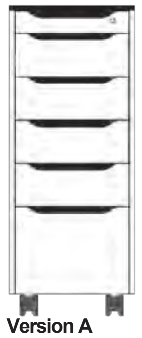
Detailed view of the supply strip (optional), can be integrated into the valuables, lock and folding compartments

Detailed view of open valuables compartment

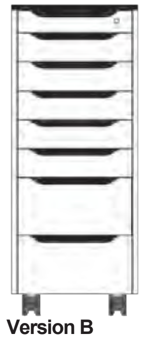
elneos® cubix tool trolley With aluminum impact protection on the outside as standard. Drawers with ergonomic Functional handles and smart-close technology. Optional touch-to-open (handleless design). Lockable with lock. Alternative locking systems available (electronic, RFID, see page 342). Swivel castors with locking device,see above ①

Handles: Ergonomic functional handle in graphite black (RAL 9011) as standard.

Optional blue (NCS-S-1565-B)	**Order no.:** ELCCS3
Optional elneos-green (RAL DESIGN 1107070)	**Order no.:** ELCCS4
Optional zinc yellow (RAL1018)	**Order no.:** ELCCS5

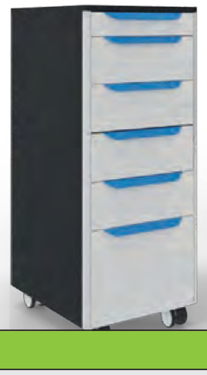


Version A



Version B

Figure 4:
Tool trolley version A with ergonomic
Functional handles in blue (option)



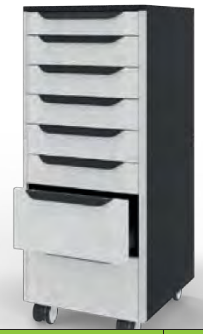


Figure 5: Tool trolley version B with ergonomic functional handles in graphite black (standard)

elneos cubix tool trolleys			
① **tool trolley**	**Size** (W x D x H)	**Classification**	**Order no.**
Version A	434 x 572 x 1082 mm	6 drawers: 1x 1 U, 4x 3 U, 1x 6 U	ELCC.WZA.x
Version B	434 x 572 x 1082 mm	8 drawers: 1x 1 U, 5x 2 U, 2x 4 U	ELCC.WZB.x

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**!
Décor 1: *Non-conductive.* Fronts: front white, body: graphite black
Decor 2: *Non-conductive.* Fronts / carcase: front white
Décor 3: *ESD version.* Fronts / carcass: front white

elneos® cubix parking garage
The parking garage offers plenty of storage space. The functional design keeps everything structured and organized. With aluminum impact protection on the outside as standard.
pages. The parking garage is equipped with various extensions. modules (see left and below). ②

Extension modules for the parking garage

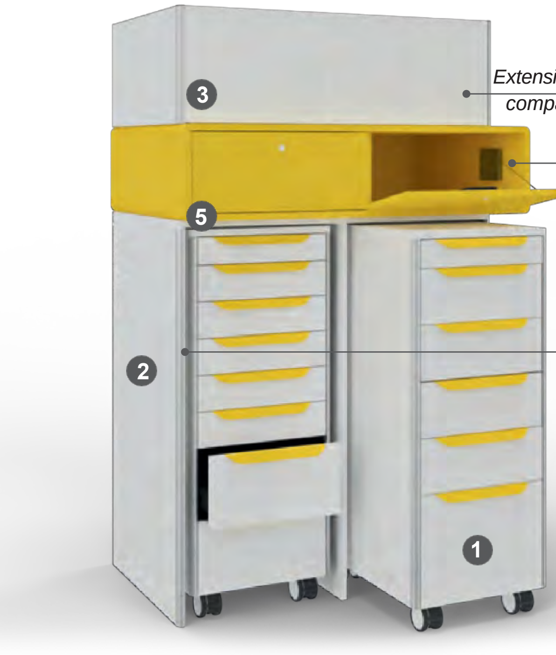
Folding compartment: with aluminum impact protection on the outside as standard. Mounted on the valuables compartment. Locking with lock (optional electronic, RFID). Number of compartments for parking garage for 2 tool trolleys: 1 hinged compartment, for 4 tool trolleys: 2 hinged compartments (see left and below ③).

Supply strip: Can be integrated into the valuables, lockers and hinged compartments. Expand 2 profile, length: 28 HP. Equipped with 1 earthed socket outlet and a USB double charging socket (see left④).

Valuables compartment: with aluminum impact protection on the outside as standard. Mounted on the elneos cubix parking garage. For storing valuables. Locking with lock (optional electronic, RFID). The number of compartments corresponds to the number of tool trolleys per

Parking garage (see left and below⑤).

Locker: aluminum impact protection on the outside as standard. Mounted on the elneos cubix parking garage. For storing bags and teaching materials. Height 490 mm, incl. one intermediate shelf with continuous hole pattern. 2 versions available. With overhang
Front and side or flush with parking garage. Locking with lock (optional electronic, RFID). The number of compartments corresponds to the number of trolleys per parking garage (see below⑥).

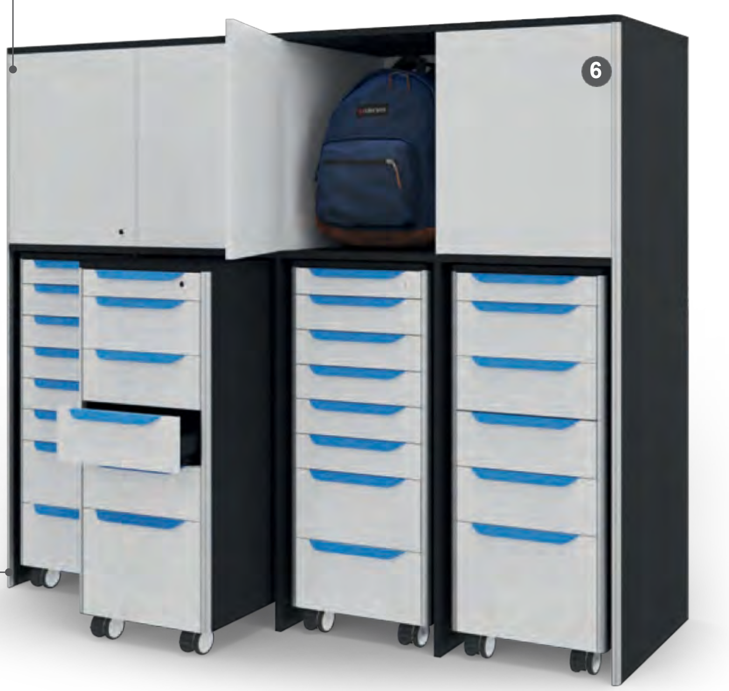


Extension module hinged compartment, decor 2

Extension mo dulevaluables compartment, decor 4

Parking garage for 2 Tool trolleys, Decor 2

Extension module locker flush, decor 1



Parking garage for 4 Tool weighing, decor 1

elneos cubix parking garages for tool trolleys and extension modules				
	for 2 tool trolleys		**for 4 tool trolleys**	
	W x D x H in mm	**Order no.**	**W x D x H in mm**	**Order no.**
② **Parking garage**	1013 x 604 x 1108	ELCC.G2.x	2007 x 604 x 1108	ELCC.G4.x
③ **Folding compartment**	1013 x 604 x 321	ELCC.KF1.x	2007 x 604 x 321	ELCC.KF2.x
④ **Supply strip**	ELCC.VL			
⑤ **Safe deposit box***	1113 x 650 x 262	ELCC.WF2.z*	2107 x 650 x 262	ELCC.WF4.z*
⑥ **Locker overhang**	1113 x 650 x 490	ELCC.SF2.x.y	2107 x 650 x 490	ELCC.SF4.x.y
Locker flush	1013 x 604 x 490	ELCC.SF2B.x.y	2007 x 604 x 490	ELCC.SF4B.x.y

*** Colored decors can only be used on the value compartment module!** Replace **.z** with the desired **decor (.1, .2, .3, .4, .5)!**

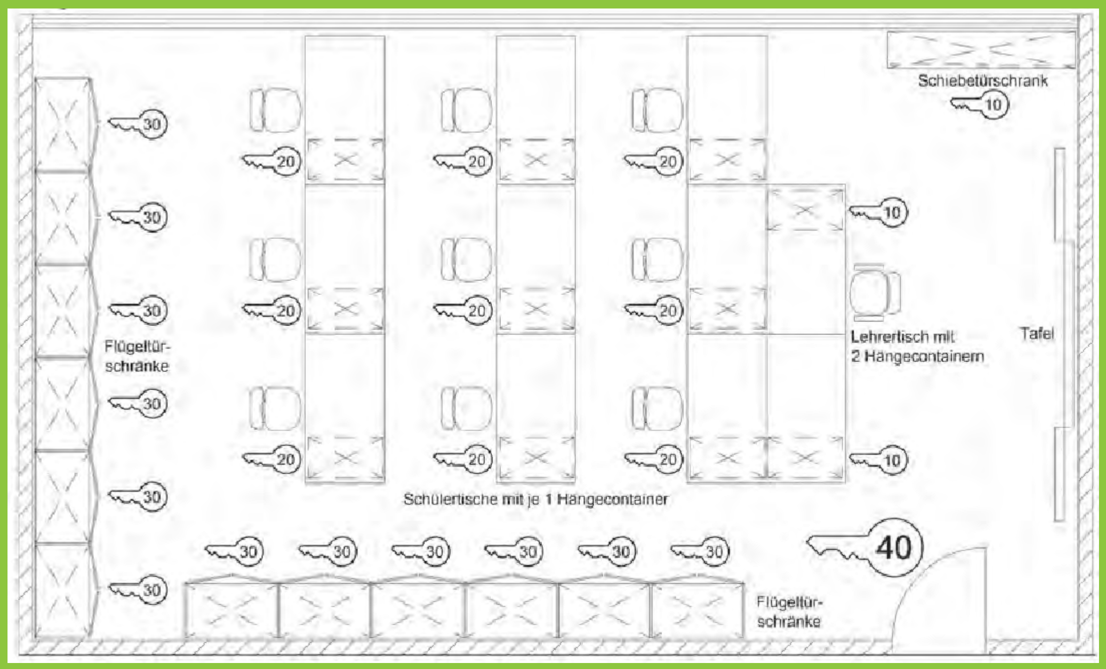
Ordering information:
.x through the desired Replace **decor (.1, .2, .3)**!
.y with **.L** or **.R** for **door stop** left / right! **Decors for parking garage,**
Folding compartment, locker Overhang and flush
Decor 1: *Non-conductive.* Fronts: front white, carcass: graphite black **Décor 2:** *Non-conductive.* Fronts / carcase: front white **Décor 3:** *ESD version.* Fronts / carcase: front white

Decor 1: . Body: graphite black, impact protection: anodized aluminium
Decor 2: *Non-conductive.* Body: front white, impact protection: anodized aluminium
Decor 3: *ESD version.* Body: front white, impact protection: anodized aluminium
Décor 4: *Non-conductive.* Body: chartreuse green (U19508), impact protection: anodized aluminium.

Decor 5: *Non-conductive.*
Body / impact protection (powder-coated aluminum): zinc yellow (RAL1018)

Locking systems

Example of manual closing


Schiebetürschrank
10
30
20
10
Flügeltür-
schränke
Lehrertisch mit
2 Hängecontainern
Tafel
Schülertische mit je 1 Hängecontainer
40
Flügeltür-
schränke

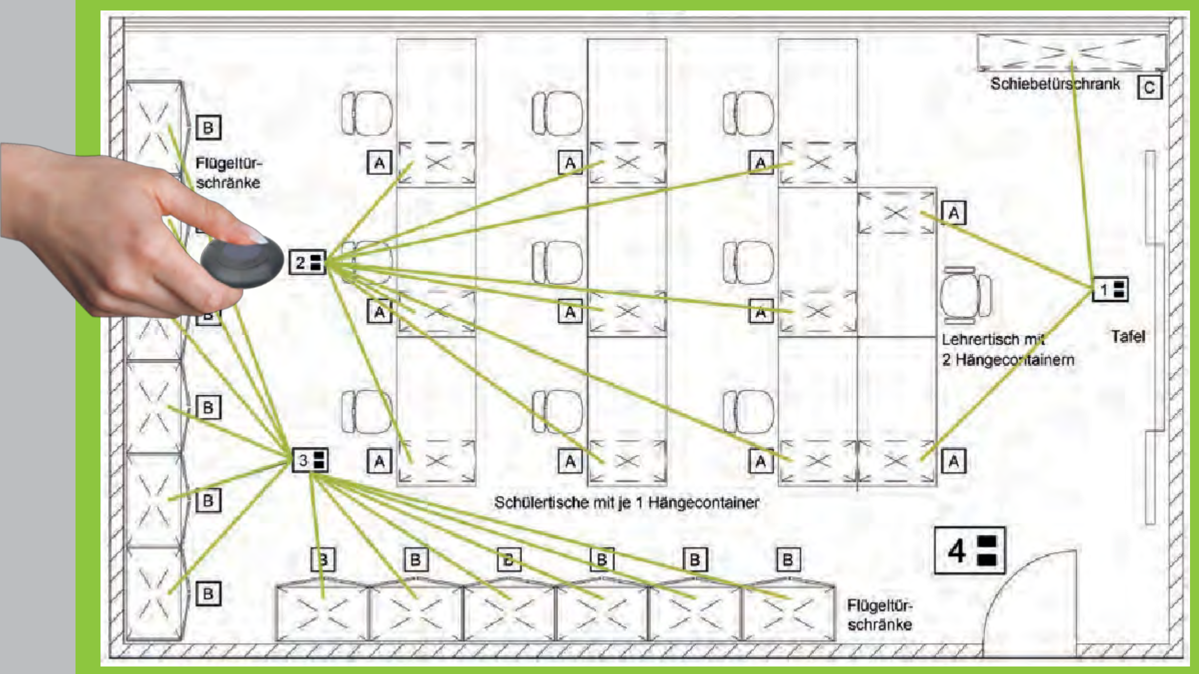
Single key, keyed alike for

- 10 Container at the teacher's desk, sliding door cupboard
- 20 Container at student desks
- 30 Hinged door wardrobes

Master key for

- 40 All locks in the room

Example of electronic locking by radio


Schiebetürschrank
C
B
Flügeltür-
schränke
A
2
1
3
Lehrertisch mit
2 Hängecontainern
Tafel
Schülertische mit je 1 Hängecontainer
4
Flügeltür-
schränke

Electronic locking for

Drawers Hinged
A doors Sliding doors
B Roller shutters
C
D

Infrared transmitter+ Programming stick/programming transmitter for

- 1 Container at the teacher's desk, sliding door and roller shutter cabinet
- 2 Containers at school desks
- 3 Hinged door wardrobes
- 4 All locks in the room

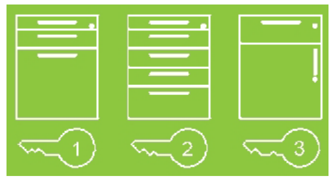
Manual locking system

Single lock (series)

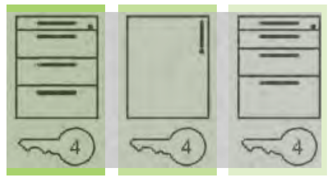
This design is standard for all locks!

Order no. Spare key for single lock, optionally different or keyed alike: ELCC.ME

Note: 2 keys are always supplied with each lock!



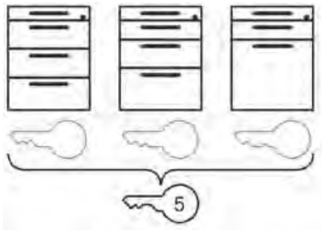
different locking



keyed alike

Main locking system

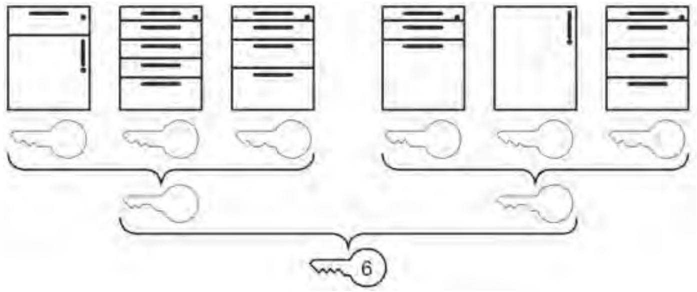
Scope of delivery: Different locking individual locks in one room, each with 2 matching keys and 2 master keys suitable for all locks.



Main locking system	
Surcharge for master key system-capable single lock (per cylinder)	ELCC.MH.1
Spare key for master key-operated single lock	ELCC.MH.2
Additional master key	ELCC.MH.3

General master key system

Scope of delivery: Different locking individual locks in several rooms (group), each with 2 matching individual keys and 2 group keys per room (group), suitable for all locks per room (group) and 2 master keys suitable for all locks of the master key system.



General master key system	
Surcharge for master key system-compatible single lock (per cylinder)	ELCC.MG.1
Spare key for master key system-compatible single lock	ELCC.MG.2
Further group key	ELCC.MG.3
Another master key	ELCC.MG.4

Electronic locking systems elneos® lock

Electronic locking system with radio 2.4 GHz A transmitter (2-channel hand-held radio transmitter) that activates an electronic control module at the push of a button, which in turn triggers the motorized locking mechanisms to unlock or lock the furniture - even over long distances.

Note: Electronic locking is not possible for complete glass doors and roller shutter systems! Doors with touch-to-open function must be checked if necessary!

Advantages of the elect. locking system with radio:

- Convenient solution - simultaneous control of several locks possible
- Open and close at the touch of a button
- Possible over long distances
- Specific access permissions programmable
- Automatic locking can be set after a certain period of time
- Programming is retained even without power supply
- Minimal administrative effort thanks to simple programming using the supplied T-piece for programming the locks per transmitter (hand-held transmitter). 50 transmitters/lock can be programmed and approx. 10 locks per transmitter (recommended)
- Visual display of locking and unlocking processes
- Wireless thanks to internal power supply
- Visual warning when the battery voltage drops
- Commercially available batteries
- Simple battery change
- Optical display with connection option for emergency power supply with cable (depending on the lock type, a separate emergency power supply device is required)

Note: A reset removes all transmission codes from the furniture lock. Individual hand-held transmitters cannot be deleted!

Fig.: Detailed view of electronic locking using a transmitter - even over long distances.

Electronic locking by radio		
2.4 GHz radio transmitter		ELCC.E.1
Additional 2.4 GHz radio transmitter (optional master key)		ELCC.E.2
Electronic locking	for hinged doors	ELCC.E.11
	for drawers	ELCC.E.12
	for sliding doors	ELCC.E.13
	for mobile / suspended pedestals	ELCC.E.14
	for Orgatower, apothecary cabinet, wall cabinet	ELCC.E.15

Electronic locking system with RFID
When a user card is held in front of the RFID lock, an electronic control module is activated, which in turn causes the motorized locking mechanism to unlock or lock the furniture.

You can choose between 2 operating modes. **Fixed access:** Card is assigned to the lock **Free access:** Card is activated or deactivated again when the lock is operated

Note: RFID locking is not possible for entire glass doors and roller shutter systems! Doors with touch-to-open function must be checked if necessary!

The following cards are for this system:

- Master cards: Set consisting of...
  - Master card: Is required for teaching the user cards and for configuring the locks. It is also used for emergency opening. Only 1 master card per lock can be programmed, several locks per master card are possible
  - Update card: Firmware updates can be loaded onto the locking system in conjunction with the master card
  - Service key card: The master card is unique and therefore guarantees the security of the locking system. Duplicates can only be obtained from the manufacturer using the service key. If this card is lost, no further Master card can be obtained!
- User cards: Up to 50 user cards can be programmed per lock (with fixed access)
- Programming cards: For setting and changing various functionalities on the lock

Advantages of the elect. locking system with RFID:

- Visual and acoustic signaling when closing / unlocking
- Transponder tags or wristband transponders can be used instead of user cards.
  The compatibility of third-party providers must be checked
- No time-consuming reordering of keys when employees change or relocate, just simple reprogramming
- Wireless thanks to internal power supply
- Visual warning when the battery voltage drops
- Operating modes freely selectable:
  Fixed allocation, free choice of cabinet
- Micro USB port on the RFID reader for an emergency power supply (using a commercially available power bank)
- Optional management software (MS) for authorization assignment and administration at the click of a mouse

Electronic locking via RFID		
Master cards	Set: Master-Card, Update-Card, Service-Key	ELCC.R.1
User card		ELCC.R.2
Programming cards	for lock function	ELCC.R.3
MS software	Management software (authorization assignment and administration)	ELCC.R.4
RFID locking	for hinged doors	ELCC.R.11
	for drawers	ELCC.R.12
	for sliding doors	ELCC.R.13
	for mobile / suspended pedestals	ELCC.R.14
	for Orgatower, apothecary cabinet, wall cabinet	ELCC.R.15

elneos® stay Functional seating furniture

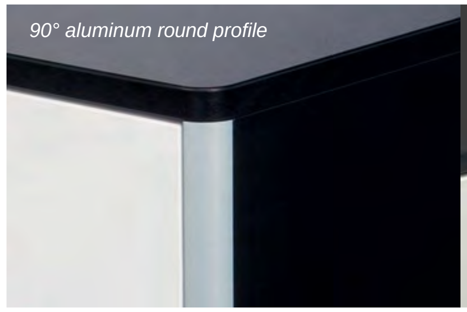
Functional seating furniture elneos® stay

The elneos stay functional seating furniture offers plenty of storage space and impresses with its functional design. All drawers and doors are fitted with a lock, optionally with electronic locking. Touch-to-open function for drawers and doors is included. Each corner is protected against impact by a 90° aluminum round profile. The plinth "elneos connect-LINE" is designed as a recessed sandwich construction to provide an optional indication light for the "open" or "closed" status display. "closed" to be included.
The elneos stay functional seating furniture is ideal for the Share and Discuss work mode.

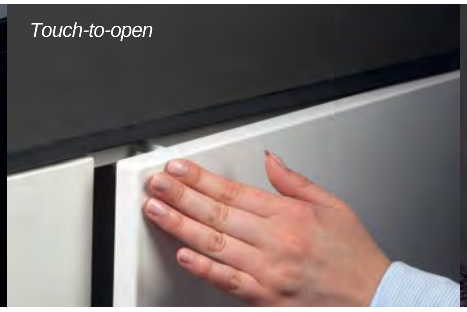
Décor:
Body: graphite black / front white, fronts: front white
Base: graphite black / front white

Seat surface:
Fabric, 100 % polyester, color grey or black, breathable, fire protection standard upholstery: BS5852 Part I Cigarette Test-PASS, EN1021-1 Cigarette Test-PASS

Reach compliant:
Respects the environment with the use of new technologies in production processes.



90° aluminum round profile

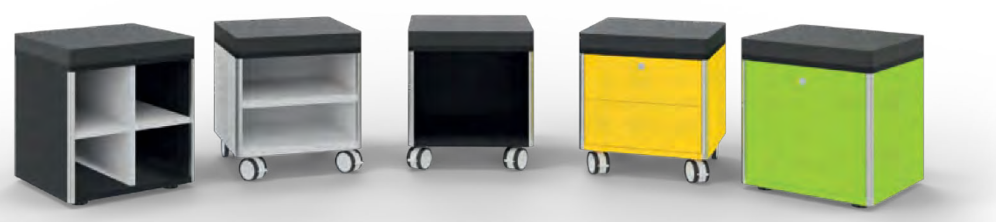


Touch-to-open

elneos connect-LINE" base with indication light for status display: green = open, red = closed

elneos® stay - Functional stool with castors or glides

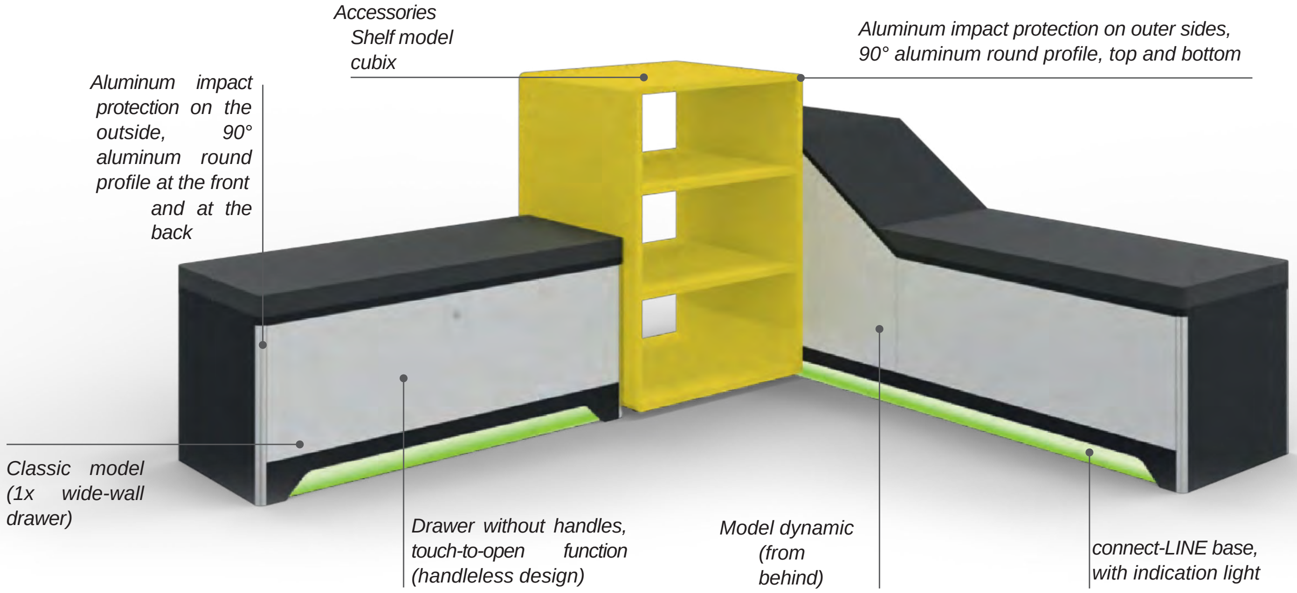
The functional stools are an eye-catcher in any room. Very flexible. In different versions and colors available.



elneos stay functional stool with "castors"			
Stool with storage space	**Size in mm W x D x H**	**Fabric gray, order no.**	**Fabric black, order no.**
4 compartments, graphite black / front white	434 x 462 x480	ELCS.H.R1.1	ELCS.H.R1.2
2 compartments, front white	434 x 462 x480	ELCS.H.R2.1	ELCS.H.R2.2
1 compartment, graphite black	434 x 462 x480	ELCS.H.R3.1	ELCS.H.R3.2
1 door, chartreuse green (U19508)	434 x 462 x480	ELCS.H.R4.1	ELCS.H.R4.2
2 drawers, zinc yellow (RAL 1018)	434 x 462 x480	ELCS.H.R5.1	ELCS.H.R5.2
elneos stay functional stool with "glides"			
Stool with storage space	**Size in mm W x D x H**	**Fabric gray, order no.**	**Fabric black, order no.**
4 compartments, graphite black / front white	434 x 462 x480	ELCS.H.G1.1	ELCS.H.G1.2
2 compartments, front white	434 x 462 x480	ELCS.H.G2.1	ELCS.H.G2.2
1 compartment, graphite black	434 x 462 x480	ELCS.H.G3.1	ELCS.H.G3.2
1 door, chartreuse green (U19508)	434 x 462 x480	ELCS.H.G4.1	ELCS.H.G4.2
2 drawers, zinc yellow (RAL 1018)	434 x 462 x480	ELCS.H.G5.1	ELCS.H.G5.2

Other decors are available on request.

Functional seating furniture elneos® stay


Accessories
Shelf model
cubix
Aluminum impact protection on outer sides, 90° aluminum round profile, top and bottom
Aluminum impact protection on the outside, 90° aluminum round profile at the front and at the back
Classic model (1x wide-wall drawer)
Drawer without handles, touch-to-open function (handleless design)
Model dynamic (from behind)
connect-LINE base, with indication light

Functional seating furniture elneos® stay

classic model: For up to 2 people.
Decor: graphite black / front white as illustrated.
Size: 1038 x 462 x 480 mm.
With a fully organizable wide-wall drawer.

Model dynamic: For up to 2 people.
Decor: graphite black / front white as shown. Size: 1810 x 462 x 702 mm.
Seat surface: approx. 900 x 462 mm, seat height 480 mm. With 2 hinged doors and 1 adjustable shelf as well as a fully organizable wide-wall drawer.

Back-to-back model: For up to 10 people. Decor: graphite black / front white as shown. Size: 2040 x 1040 x 780, seat height: 480 mm.
Can be used on 4 sides as a bench seat with ergonomically shaped center backrest.
A total of 6 fully organizable wide drawers, 3 on each long side.

Model classic

Model dynamic left (model right mirror-inverted)

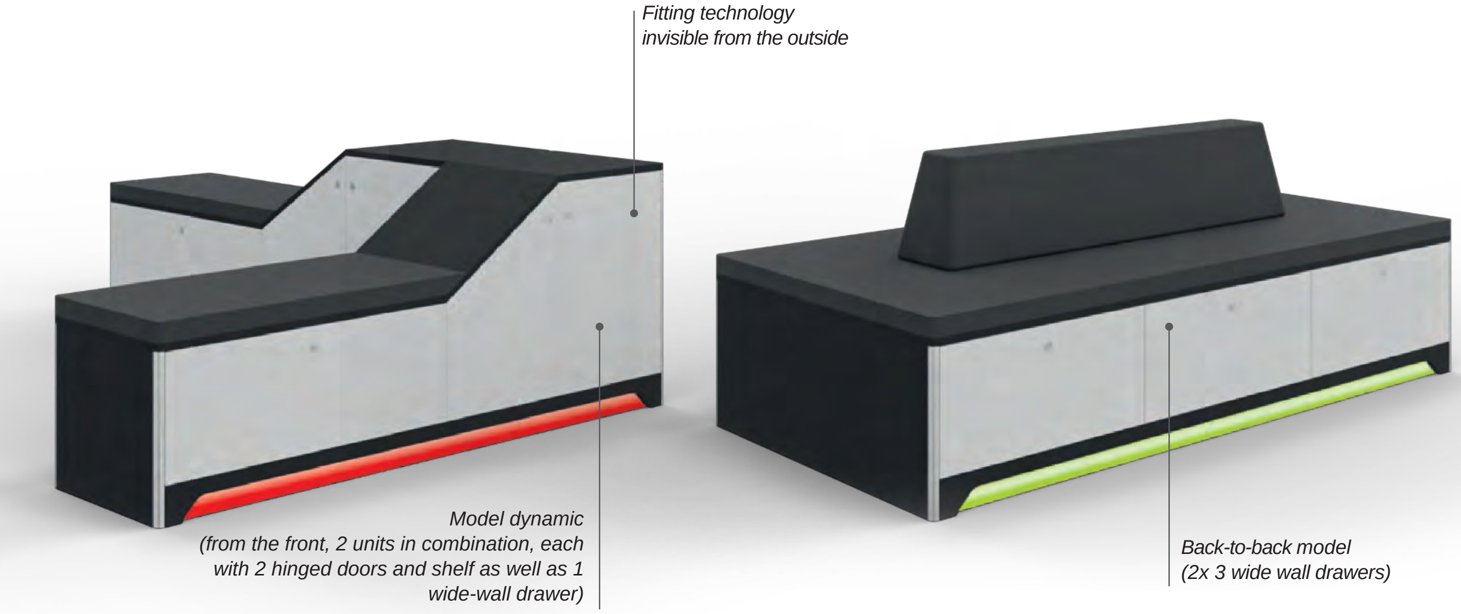
Model back-to-back

Functional seating elneos stay			
Model	**Size in mm W x D x H**	**Fabric gray, order no.**	**Fabric black, order no.**
classic	1038 x 462 x 480	ELCS.C.1	ELCS.C.2
dynamic links	1810 x 462 x 702 (seat height: 480)	ELCS.D.1L	ELCS.D.2L
dynamic right	1810 x 462 x 702 (seat height: 480)	ELCS.D.1R	ELCS.D.2R
back-to-back	2040 x 1040 x 780 (seat height: 480)	ELCS.B.1	ELCS.B.2

*Note: Specify additional order number for **indication light** in the base.*

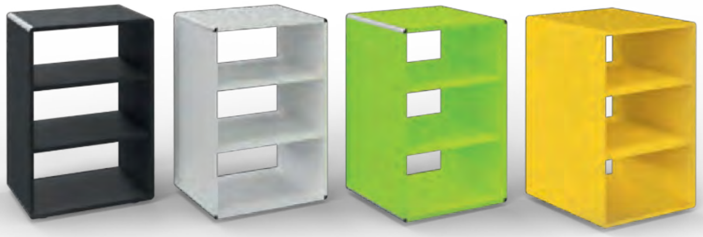
RGB LED indication light - integrated in the "elneos connect-LINE" base		
Model classic	**Model dynamic**	**Back-to-back model**
ELC2.9.C.I	ELC2.9.D.I	ELC2.9.B.I

Accessories elneos® stay


Fitting technology
invisible from the outside
Model dynamic
(from the front, 2 units in combination, each
with 2 hinged doors and shelf as well as 1
wide-wall drawer)
Back-to-back model
(2x 3 wide wall drawers)

Intelligently used storage spaces

Fully organizable
wide wall drawer



Model cubix in the decor colors graphite black, front white, chartreuse green and zinc yellow.

cubix: Size: 602 x 562 x 885 mm. Open shelf incl. 2 adjustable shelves, 19 mm thick.
Each corner is protected against impact by a 90° aluminum round profile.

Table small model share: 600 x 600 x 550 mm. Decor: graphite black / front white, 4 storage compartments.

Large table model discuss: 800 x 600 x 550 mm. Decor: graphite black / front white, 8 storage compartments.

elneos stay functional seating furniture - Accessories		
Functional furniture	**Size in mm W x D x H**	**Order no.**
Model cubix incl. 2 shelves 19 mm	602 x 562 x 885	ELCC.C1.x
Table small model share	600 x 600 x 550	ELCS.T1
Table gr. model discuss	800 x 600 x 550	ELCS.T2
Shelves 19 mm		ELCC.FB.1
Optional glass shelf		ELCC.FB.3
Castor set for sideboards and seating furniture		ELCC.RS
Electronic locking (radio / RFID)		sh. page 342

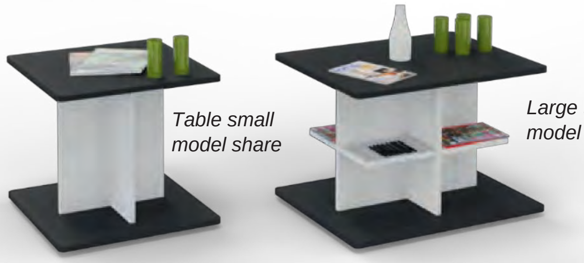


Table small
model share
Large table
model discuss

Ordering information: Replace **.x** with the desired **decor (.1, .2, .4, .5)**! **Decor 1:** *Non-conductive.* Body: graphite black, impact protection: anodized aluminium **Décor 2:** *Non-conductive.* Body: front white, impact protection: anodized aluminium
Decor 4: *Non-conductive.* Body: chartreuse green (U19508),
Impact protection: anodized aluminium
Decor 5: *Non-conductive.* Body / impact protection (powder-coated
aluminum): zinc yellow (RAL1018)

Extension modules elneos® stay

Extension modules elneos® stay

The add-on modules can arranged in any order, and the cubix shelf can also be integrated. On the outer sides, the aluminum impact protection, 90° aluminum round profile at the front and rear can be ordered as an optional end module.
The same applies to the "elneos connect LINE" plinth lighting.

Model classic - 2- and 3-seater:

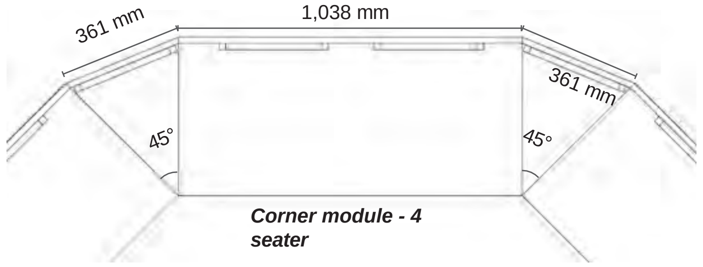
Decor: graphite black / front white as illustrated.

Size 2-seater: 1038 x 462 x 480 mm
with 2 hinged doors.

Size 3-seater: 1581 x 462 x 480 mm
with 4 hinged doors.

Corner module model - 4 seater:

Decor: graphite black / front white as shown. Size: 1038 x 462 x 480 mm,
plus 2 x 45° corner piece.



Corner module - 4 seater

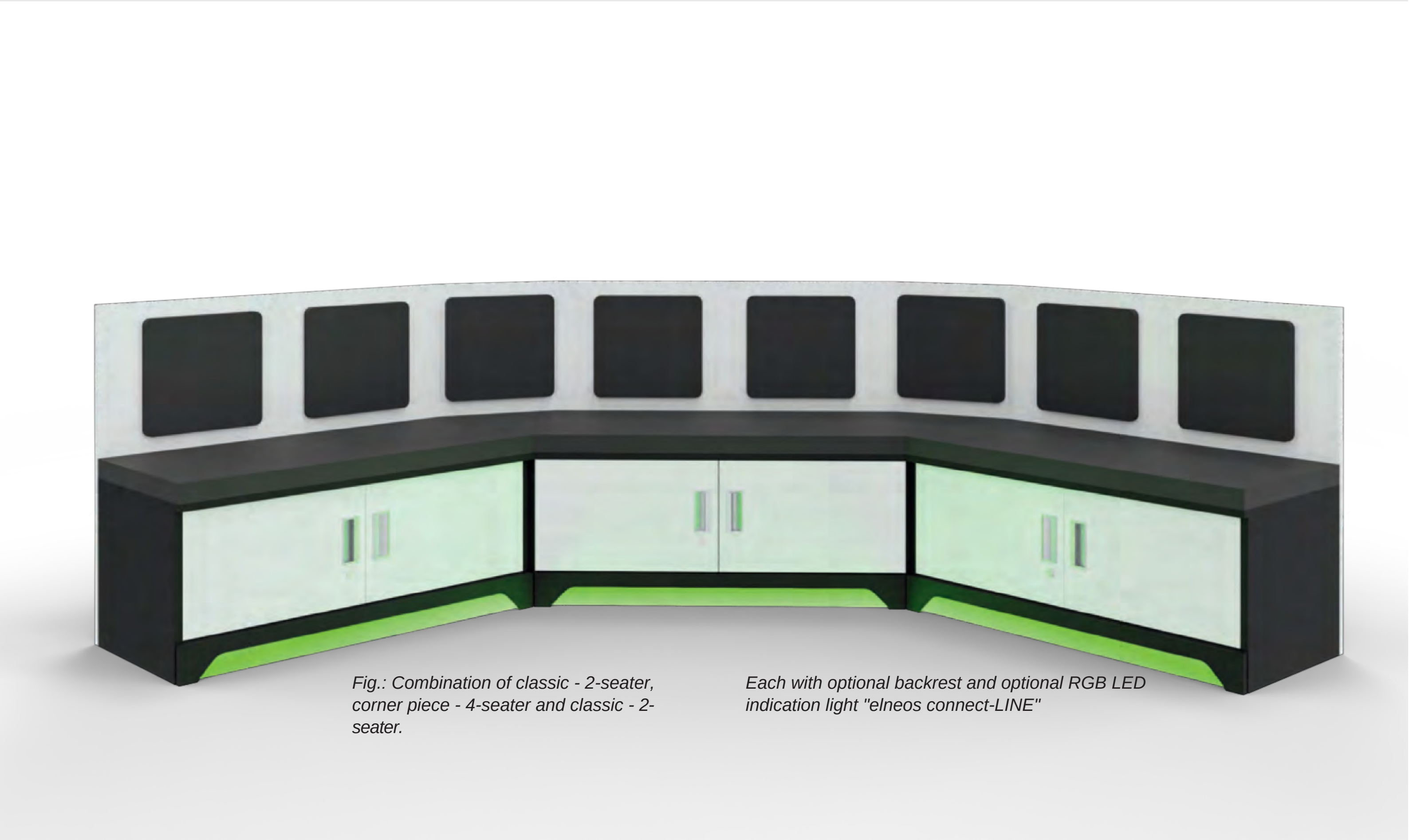


Fig.: Combination of classic - 2-seater, corner piece - 4-seater and classic - 2-seater.

Each with optional backrest and optional RGB LED indication light "elneos connect-LINE"

elneos stay add-on modules with doors

Model	Size in mm W x D x H	Fabric gray, order no.	Fabric black, order no.
classic - 2 seater	1038 x 462 x 480 (2 hinged doors)	ELCS.C2.1	ELCS.C2.2
classic - 3 seater	1581 x 462 x 480 (4 hinged doors)	ELCS.C3.1	ELCS.C3.2
Corner module - 4 seater	1038 x 462 x 480 plus 2 x 45° corner piece	ELCS.C4.1	ELCS.C4.2

Optional equipment for the add-on modules

		classic - 2-seater	classic - 3-seater	Corner module - 4 seater
Backrest (thickness 19 mm) **with back cushion**		ELCS.C2.R	ELCS.C3.R	ELCS.C4.R
RGB LED indication light "elneos connect-LINE"		ELC2.9.C2.I	ELC2.9.C3.I	ELC2.9.C4.I
Shell handle as an alternative to touch-to-open		ELCCS6		
Exterior aluminum impact protection (2 x end module)	**graphite black**	ELCS.AS.1		
	front white	ELCS.AS.2		

elneos® Mobile

Flexible anytime, anywhere

Mobile 352
Base frames 353
Shelves 354
Drawers 355
Equipment container 356
Expansion profile 1 357
Expansion profile 2 358
19-inch desk superstructures / cockpits 359
Mounting accessories 360
Caddymobile 363

Mobile

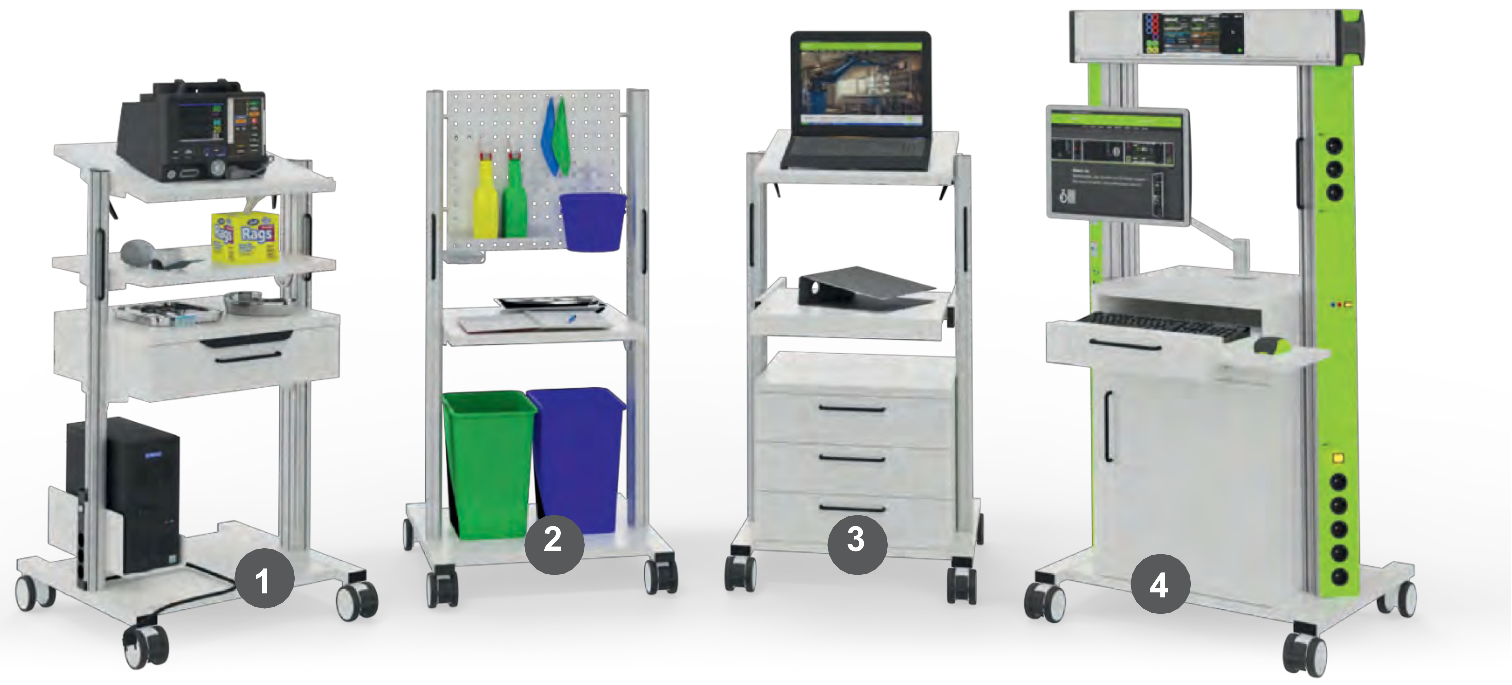


Fig. 1: Example of elneos Mobile in medical technology. With inclinable and straight shelf, drawer container and push handles. Extended with PC holder accessory (see page 173) and socket strip (see page 374).
Fig. 2: Example elneos Mobile for cleaning staff. With perforated panel, straight shelf and push handles.
Fig. 3: Example elneos mobile for presentations. With tiltable shelf, pull-out shelf and drawer container with 3 drawers and push handles.
Fig. 4: Example of elneos mobile in the laboratory area. With 19-inch aluminum channel - equipped with the elneos six device series, keyboard drawer, 3 U device container with front door, expand profile 2 on both sides to accommodate acto insert panels (see page 140). Extended with monitor holder accessories (see page 372).

Technical product description:

elneos connect Mobile
elneos Mobile are flexible and versatile, z. e.g. in medicine, laboratories, schools, etc. Different models are available depending on the application and intended use.

Base frame incl. base plate: Consisting of sturdy welded steel frame with 4 heavy-duty swivel castors. Base plate, 30 mm thick, melamine resin-coated.

Castors: Heavy-duty, Ø 100 mm. 2 lockable castors.

Base profiles: 2 aluminum L-profiles, each solidly bolted to the steel frame via 2 brackets. To accommodate all modules: Shelves, pull-out shelves, keyboard pull-outs, drawer pedestals, 19-inch equipment containers (except Orgamobil) and accessories. Heights: 780 / 1300 / 1600 / 1800 mm.

Configuration modules: All modules (shelves, drawer containers, etc.) can be fixed in the groove of the aluminum profile using steel brackets. All shelves are melamine-coated. All configuration modules are variable in height.

Handles for configuration modules: The configuration modules are equipped with a black bow handle as standard. Alternatively, the ergonomic functional handle can be selected in different colors, see below.

ergonomic Functional handles:

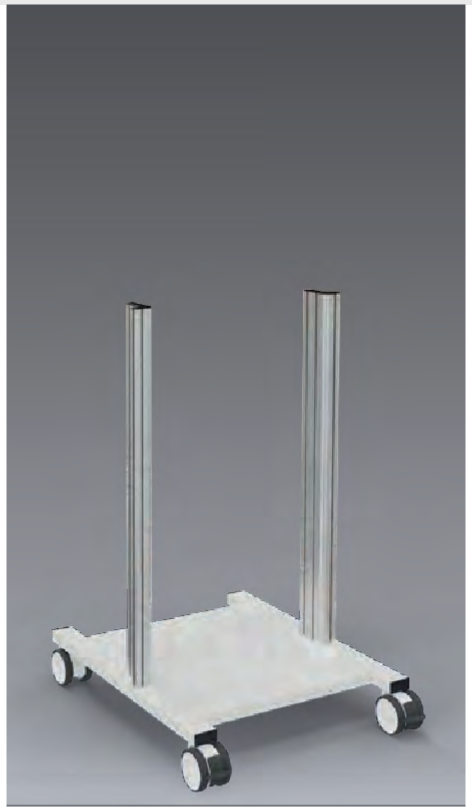
graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Base frames



Mobile unit (W x D): 646 x 758 mm
Usable area (W x D): 525 x 600 mm
Height shown: 1100 mm

Orgamobil (W x D): 721 x 758 mm
Usable area (W x D): 600 x 600 mm
Height shown: 1300 mm

Energy mobile (W x D): 821 x 758 mm
Usable area (W x D): 525 x 600 mm
Height shown: 1600 mm
Optionally with continuous Expand 2 profile

The models

1. elneos connect mobile device

Consisting of base frame incl. base plate, castors and lateral aluminum L-profiles. Size (W x D x H): 646 x 758 x
780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 525 x 600 mm

2. elneos connect Orgamobil

Consisting of base frame incl. base plate, castors and lateral aluminum L-profiles. Size (W x D x H): 721 x 758 x
780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 600 x 600 mm
Note: 19-inch device containers not possible here!

3. elneos connect Energiemobil

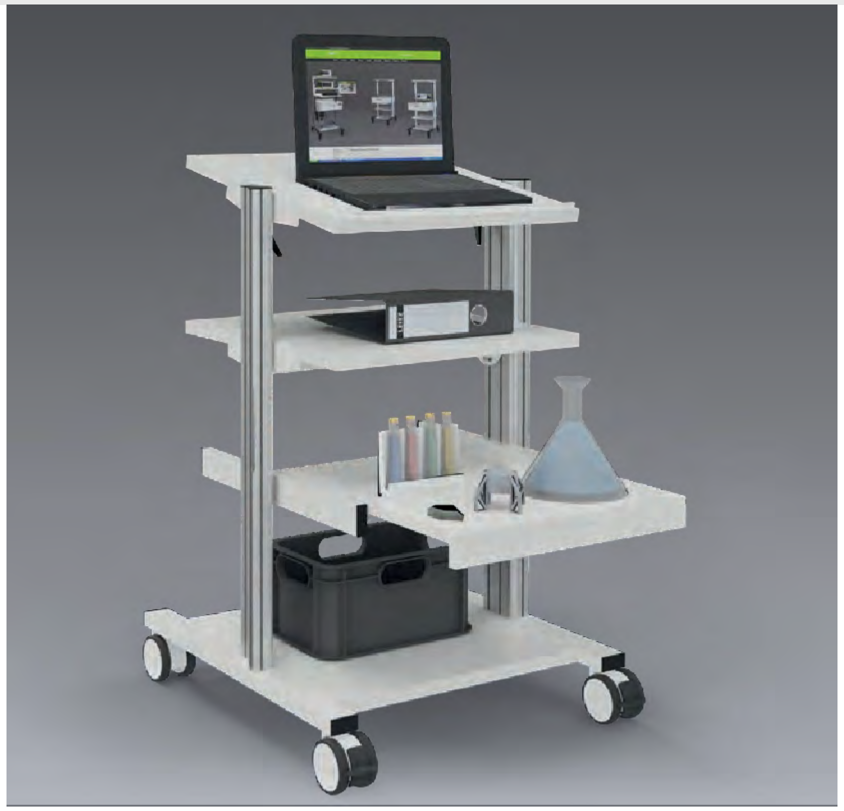
Consisting of base frame incl. base plate, castors and lateral L-profiles made of aluminum. **Special feature:** Here, the L-profiles are set further inwards to optionally accommodate continuous Expand 2 profiles.
Size (W x D x H): 821 x 758 x
780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 525 x 600 mm

Mobile base frames

Mobile	Frame area W x D (usable area W x D)	H: 780 mm (NH: 645 mm)	H: 1,100 mm (NH: 965mm)	H: 1,300 mm (NH: 1165 mm)	H: 1,600 mm (NH: 1465 mm)	H: 1,800 mm (NH: 1665 mm)
Appliance mobile	**646 x 758 mm** (525 x 600 mm)	ELCM.6778.x	ELCM.6711.x	ELCM.6713.x	ELCM.6716.x	ELCM.6718.x
Orgamobile	**721 x 758 mm** (600 x 600 mm)	ELCM.7778.x	ELCM.7711.x	ELCM.7713.x	ELCM.7716.x	ELCM.7718.x
Energy mobile	**821 x 758 mm** (525 x 600 mm)	ELCM.8778.x	ELCM.8711.x	ELCM.8713.x	ELCM.8716.x	ELCM.8718.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Shelves

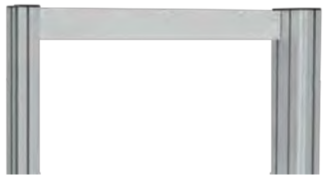


All configuration modules (shelves, drawer containers, etc.) can be fixed in the groove of the aluminum profile using sturdy steel brackets and are therefore variable in height.

All shelves are melamine coated.

Fig. 1 left:
Orgamobil (W x D x H): 721 x 758 mm x 1100 mm
Usable area (W x D): 600 x 600 mm
With inclinable shelf, straight shelf and pull-out shelf.

Stiffening strut
Quality steel profile tube for additional stabilization if required.



Stiffening strut		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile	525 x 20 x 60 mm	ELCM.510
Orgamobile	600 x 20 x 60 mm	ELCM.610

Straight shelves
Thickness: 30 mm.

Straight shelf		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile	525 x 600 x 19 mm	ELCM.511.x
Orgamobile	600 x 600 x 19 mm	ELCM.611.x

Shelves tiltable
Thickness: 30 mm. Shelves can be tilted forwards by 15°, including 2 adjustment levers and stopper edge.

Shelf tiltable		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile	525 x 600 x 19 mm	ELCM.512.x
Orgamobile	600 x 600 x 19 mm	ELCM.612.x

Pull-out shelves
Thickness: 19 mm. Quality steel profile tubes.

Pull-out shelves		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile	525 x 600 x 60 mm (NB: 475 mm)	ELCM.513.x
Orgamobile	600 x 600 x 60 mm (NB: 550 mm)	ELCM.613.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Drawers

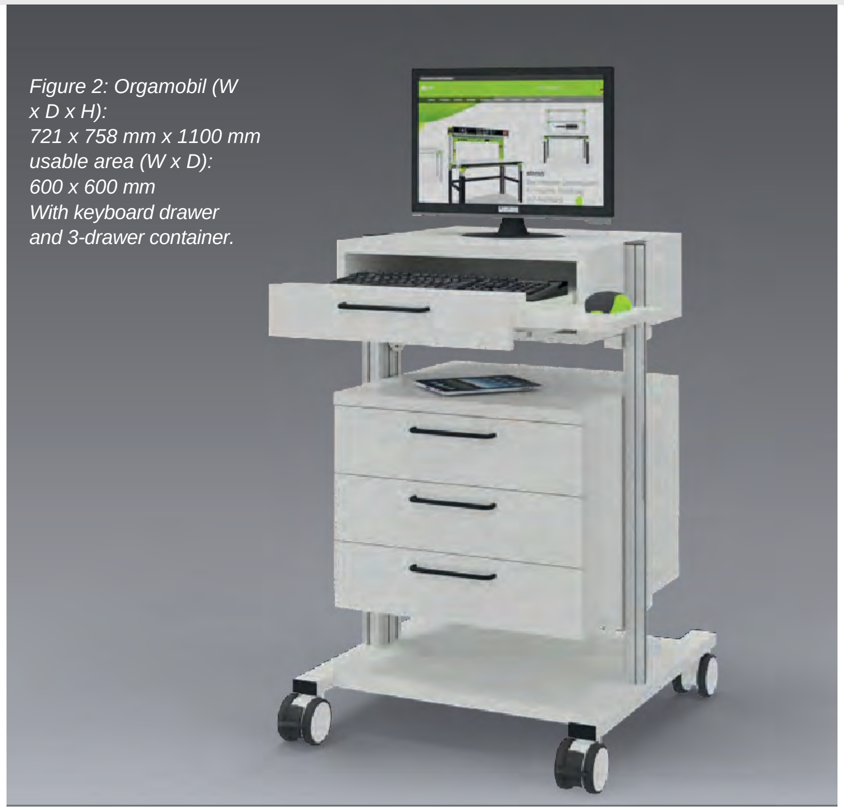
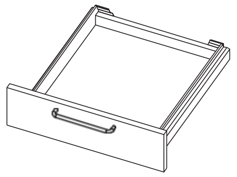


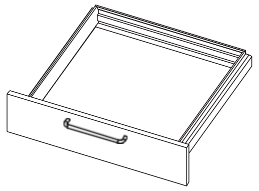
Figure 2: Orgamobil (W x D x H):
721 x 758 mm x 1100 mm
usable area (W x D):
600 x 600 mm
With keyboard drawer and 3-drawer container.

Overview of drawers

Suitable for appliance / energy mobile and container size (W x D) 525 x 600 mm. Usable drawer area (W x D): 415 x 495 mm with full-extension runner. Cannot be organized.



Matching drawers for Orgamobil and container size (W x D) 600 x 600 mm. Usable drawer area (W x D): 490 x 491 mm with full-extension runners. Can be fully organized with dividers, compartment dividers etc., see page 174.



Keyboard drawer
Top panel 30 mm thick, remaining shelves 19 mm. Rear with flap and storage space for socket strips, cables, etc. Front with black bow handle as standard. Alternatively ergonomic functional handle, see page 352. Pull-out mouse pad optional.

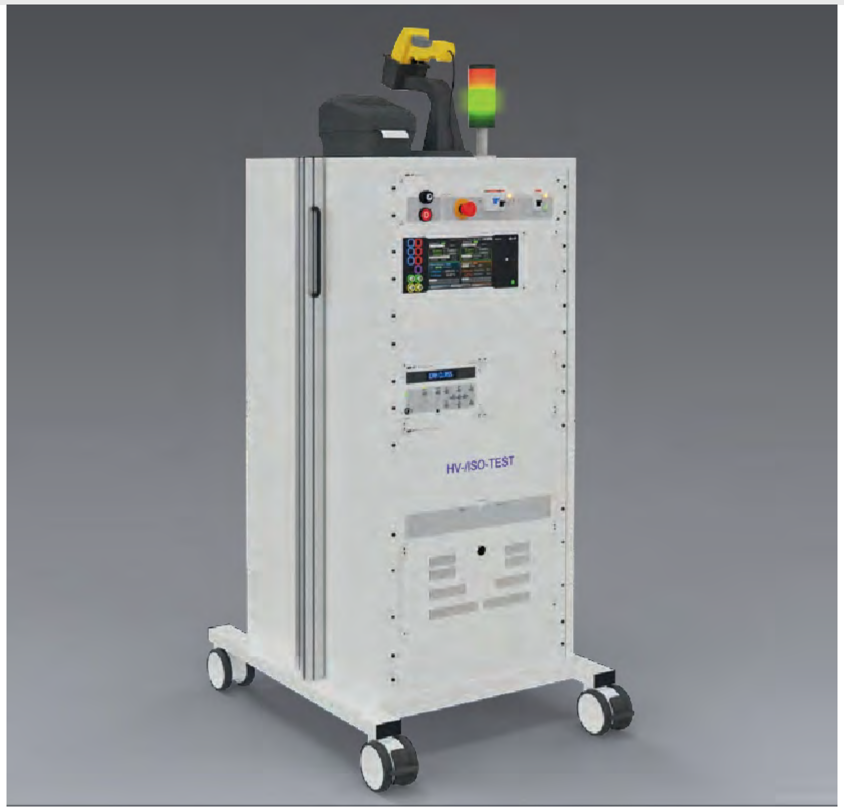
Keyboard drawer		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile	525 x 600 x 202 mm (NB: 470 mm)	ELCM.514.x
Orgamobile	600 x 600 x 202 mm (NB: 545 mm)	ELCM.614.x
Optional retractable mousepad		ELCM.614M

Drawer container
Top panel 30 mm thick, remaining shelves 19 mm. Drawer fronts each 150 mm high. With black bow handle as standard. Alternatively ergonomic functional handle, see page 352.

Drawer container		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile (Usable drawer area: 415 x 495 mm)		
1 drawer	525 x 600 x 180 mm	ELCM.515.1.x
2 drawer	525 x 600 x 330 mm	ELCM.515.2.x
3 Drawer	525 x 600 x 480 mm	ELCM.515.3.x
4 Drawer	525 x 600 x 630 mm	ELCM.515.4.x
Orgamobile (Usable drawer area: 490 x 491 mm)		
1 drawer	600 x 600 x 180 mm	ELCM.615.1.x
2 drawer	600 x 600 x 330 mm	ELCM.615.2.x
3 Drawer	600 x 600 x 480 mm	ELCM.615.3.x
4 Drawer	600 x 600 x 630 mm	ELCM.615.4.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Equipment container



Equipment container

Suitable for the following rack

heights: 19-inch / 3 / 6 / 9 / 12 U
for all heights

19-inch / 15 U
for heights 1100 / 1300 / 1600 / 1800 mm

19-inch / 21 / 24 U
for height 1300 / 1600 / 1800

mm 19-inch / 30 U
for height 1600 / 1800 mm

19-inch / 35 U
for height 1800 mm

Fig. 1 left:
Mobile appliance (W x D x H): 646 x 758 x 1300 mm Usable area (W x D): 525 x 600 mm
With 19-inch / 24 U equipment container.

Equipment container 19-inch
Top panel 30 mm thick, remaining shelves 19 mm. Heavy-duty design with 4 profile rails for mounting slide rails and for attaching 19-inch devices, removable rear panel, supplied without 19-inch devices.

Equipment container 19-inch		
suitable for	**Size** (W x D x H)	**Order no.**
Appliance / energy mobile		
19-inch / 3 U	525 x 600 x 192	ELCM.516.3.x
19-inch / 6 U	525 x 600 x 326	ELCM.516.6.x
19-inch / 9 U	525 x 600 x 459	ELCM.516.9.x
19-inch / 12 U	525 x 600 x 592	ELCM.516.12.x
19-inch / 15 U	525 x 600 x 726	ELCM.516.15.x
19-inch / 21 U	525 x 600 x 992	ELCM.516.21.x
19-inch / 24 U	525 x 600 x 1126	ELCM.516.24.x
19-inch / 30 U	525 x 600 x 1392	ELCM.516.30.x
19-inch / 35 U	525 x 600 x 1650	ELCM.516.35.x
Order no. Slide rails (1 pair): ELC100.3.015 for mounting 19-inch devices, incl. mounting material		
Order no. optionally with closed front door incl. lock and handle: ELCM.6607.x		
Order no. 1-phase mains connection, incl. 5-way distribution: ELC100.2.020		
Order no. 3-phase mains connection incl. 5-way distribution: ELC100.2.021		

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

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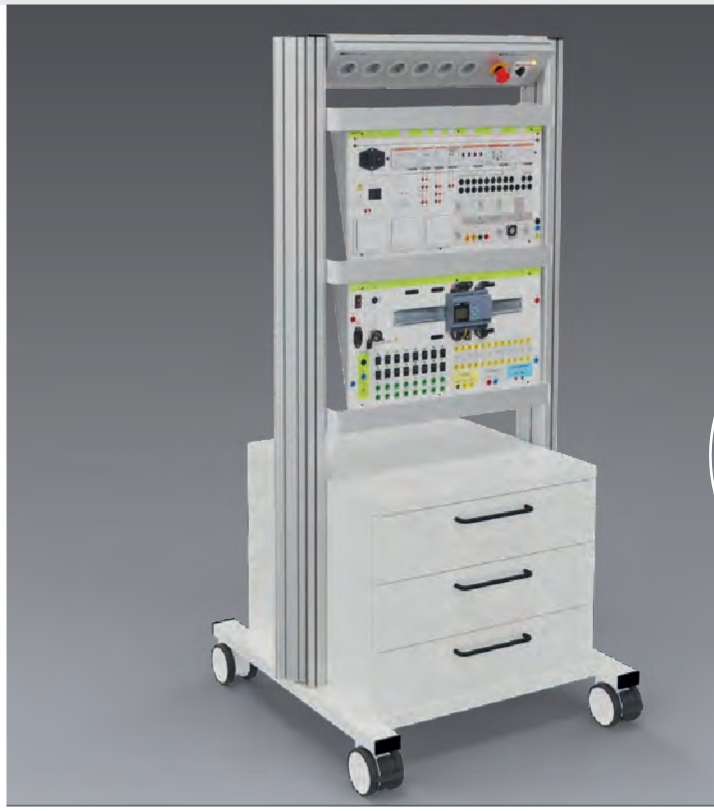
Expansion profile 1



Expansion profile 1

- 2 cable chambers
- With brush strip on the back
- Excellent access by simply clipping and turning

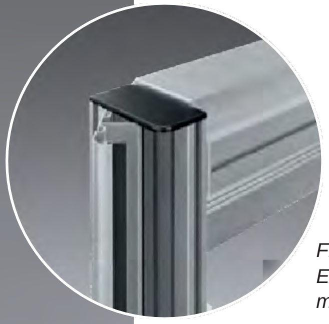


Fig. 2 Detailed view:
Expand profile 1 open,
mobile view from behind.

Fig. 3 left:
Orgamobil (W x D x H): 721 x 758 mm x 1600 mm
Usable area (W x D): 600 x 600 mm
Expanding profile 1 left and right. Can be opened from the rear by simply turning outwards.

Expanded profile 1
Expanding profile 1 is mounted end-to-end on the L-profile and can be opened from the rear at any time by simply turning it outwards.
The Expand profile 1 offers maximum functionality combined with optimum handling.

Expansion profile 1	
Suitable for mobile height	**Order no.**
780 mm (NH: 645 mm)	ELC2.5.0645.y
1100 mm (NH: 965 mm)	ELC2.5.0965.y
1300 mm (NH: 1165 mm)	ELC2.5.1165.y
1600 mm (NH: 1465 mm)	ELC2.5.1465.y
1800 mm (NH: 1665 mm)	ELC2.5.1665.y

Mobile view from behind!

Ordering information: Please replace the "**.y**" with **.L**= left, **.R**= right or **.LR**= left and right

Expansion profile 2

Figure 1:
Left Orgamobil (W x D x H): 721 x 758 mm x 780 mm with horizontal expandable profile 2 as a table structure.
Right Orgamobil (W x D x H): 721 x 758 mm x 1600 mm with horizontal expandable profile 2 as a cockpit between the foot profiles.

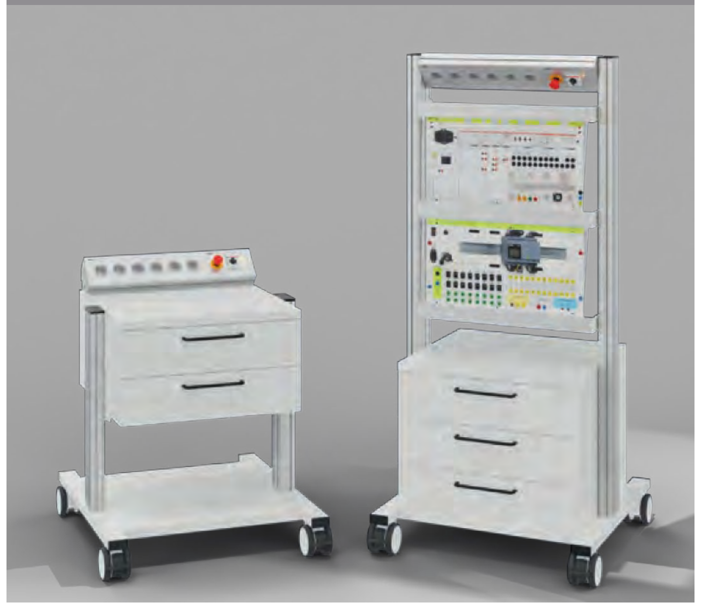
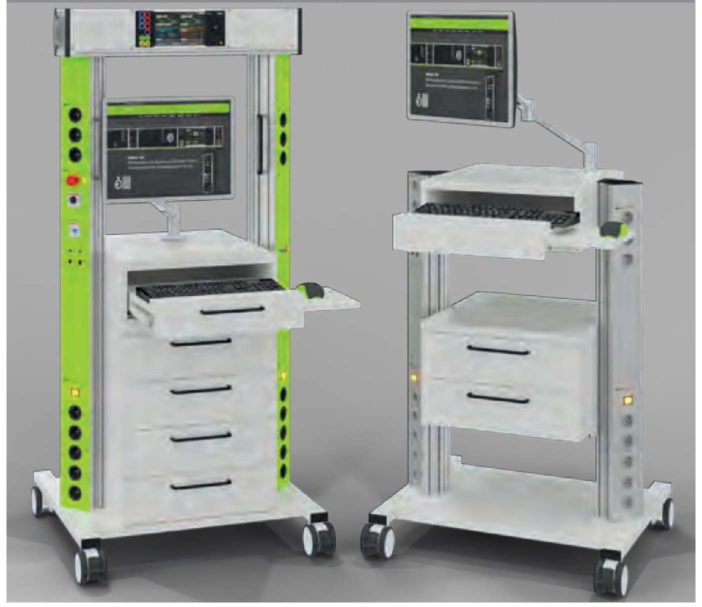


Figure 2:
Left Energy mobile (W x D x H): 821 x 758 mm x 1600 mm, plus 19-inch aluminum cockpit on top.
Right Energy mobile (W x D x H): 821 x 758 mm x 1100 mm. Both mobile units with full-length expansion profile 2 on both sides.



Expansion profile 2
To accommodate the *acto* insert panel system.
Supplied without insert panels.

Expanding profile 2 horizontal

The horizontal expansion profile 2 can be used either as a table structure, for example on a drawer container, or as a cockpit between the base profiles.

Expanding profile 2 horizontal as a cockpit between the base profiles			
suitable for	**Width**	**BK***	**Order no.**
Appliance / energy mobile	525 mm	102 TE	ELC2.10.525.C
Orgamobile	600 mm	116 TE	ELC2.10.600.C

Expand 2 profiles horizontal as table structure			
suitable for	**Width**	**BK***	**Order no.**
Appliance / energy mobile	525 mm	102 TE	ELC2.10.525.T
Orgamobile	600 mm	116 TE	ELC2.10.600.T

To order the insert plates, see page 140 or the erfi instruments catalog.

Expanding profile 2 vertical -

only possible in combination with the energy mobile!

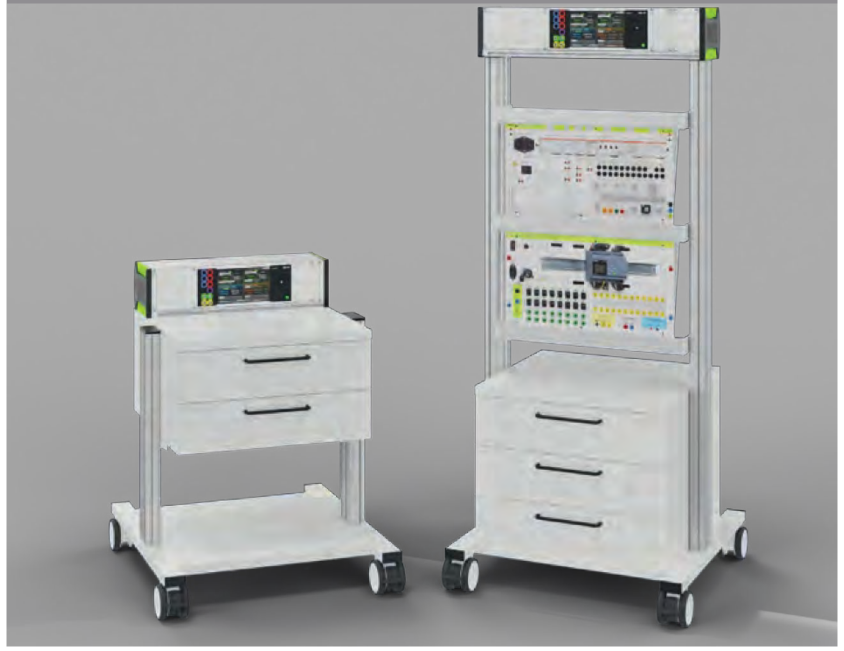
The continuous vertical expansion profile 2 always points outwards and is only intended for the energy mobile.

Expand 2 profiles vertical continuous			
suitable for Energiemobil			
Mobile height	**Height**	**BK***	**Order no.**
780 mm	642 mm	126 TE	ELC2.6.642.y
1100 mm	962 mm	189 TE	ELC2.6.962.y
1300 mm	1162 mm	228 TE	ELC2.6.1162.y
1600 mm	1462 mm	287 TE	ELC2.6.1462.y
1800 mm	1162 mm	327 TE	ELC2.6.1662.y

Ordering information: Please replace the "**.y**" with **.L**= left, **.R**= right or **.LR**= left and right

*BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

19-inch table superstructures /cockpits



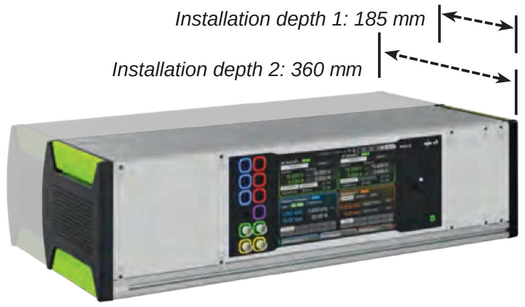
19-inch table structure /
19-inch aluminum cockpit

- Intelligent and standard-compliant 19-inch mounting mechanism for 19-inch part racks in accordance with the DIN 41494 Part 5 standard
- Side functional elements with ventilation system
- 2 different installation depths
  Installation depth 1 = 185 mm
  Installation depth 2= 360 mm

Figure 3 left:
Left Orgamobil (W x D x H): 721 x 758 mm x 780 mm with 19-inch table top.
Right Orgamobil (W x D x H): 721 x 758 mm x 1600 mm with 19-inch cockpit on top.

19-inch aluminum table top / cockpit For mounting 3 U devices from *the elneos six*, *elneos five* and *basic* device series.
Supplied without appliances.

Optionally with RGB LED workstation lighting and indication light. See also page 107 and page 108.



19-inch table top (H 156 mm)				
suitable for	**Width**	**BK***	**Installation depth 1** (185 mm)	**Installation depth 2** (360 mm)
Appliance / energy mobile	525 mm	97 TE	ELC4.6.5.525.x	ELC4.6.6.525.x
Orgamobile	600 mm	112 TE	ELC4.6.5.600.x	ELC4.6.6.600.x

19-inch cockpit (top-mounted, H 156 mm)				
suitable for	**Width**	**BK***	**Installation depth 1** (185 mm)	**Installation depth 2** (360 mm)
Appliance mobile	646 mm	121 TE	ELC4.6.1.646.x	ELC4.6.2.646.x
Orgamobile	721 mm	136 TE	ELC4.6.1.721.x	ELC4.6.2.721.x
Energy mobile	821 mm	155 TE	ELC4.6.1.821.x	ELC4.6.2.821.x

Ordering information: Please replace **.x** with the desired color accent of the side functional elements.
.1= green= RAL DESIGN 1107070, **.2**= gray= RAL DESIGN 5500

*BK= Assembly capacity in TE (division unit) 1 TE= 5.08 mm

Mounting accessories

Horizontal recording profile

For holding gripping shells, gripping containers and gripping tongues. Scope of delivery: without container. See page 255 for hanging containers.

Horizontal recording profile

suitable for	Width	Order no.
Appliance / energy mobile	525 mm	ELCM.501
Orgamobile	600 mm	ELCM.601

Support rail for open fronted storage bins

For holding open-fronted storage bins type 1 and type 2. Scope of delivery: without bins. For open-fronted storage bins, see page 256.

Support rail for open fronted storage bins

suitable for	Width	Type 1 5 boxes / page	Type 2 3 boxes / page
Appliance / energy mobile			
Equipped on one side	525 mm	ELCM.503.1.1	ELCM.503.1.2
Equipped on both sides	525 mm	ELCM.503.2.1	ELCM.503.2.2
Orgamobile			
Equipped on one side	600 mm	ELCM.603.1.1	ELCM.603.1.2
Equipped on both sides	600 mm	ELCM.603.2.1	ELCM.603.2.2

Depth-adjustable retaining rail for open-fronted storage bins For holding open-fronted storage bins type 1 and type 2. Scope of delivery: without bins. For open fronted storage bins, see page 256.

Depth-adjustable retaining rail for open-fronted storage bins

suitable for	Width	Type 1 4 boxes / page	Type 2 3 boxes / page
Appliance / energy mobile	525 mm	ELCM.504.1	-
Orgamobile	600 mm	ELCM.604.1	ELCM.604.2

Perforated sheet walls

For hanging: For 2-row experiment frame, with locking knob. With square perforation 10 x 5 mm or with oval perforation 14 x 5 mm. Size 500 x 672 mm.

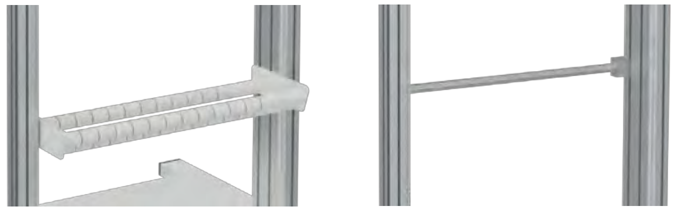
Between the base profiles: For mounting between the two aluminum base profiles. With square perforation. Size 502 x 449 mm. For hanging accessories, see page 254.

Perforated sheets

For hanging in 2-row experiment frame		Perforated plate between the base profiles
Rectangular perforation 10 x 5 mm	Oval perforation 14 x 5 mm	
ELC.Z1.056	ELC.Z2.056	ELCM.0502

Cable reel magazine / cable reel holder **Cable reel magazine:** Suitable for reel width 80 mm, Ø 200 mm, can be converted to reel width 80 mm, Ø 150 mm

Cable reel holder: Removable rod Ø 18 mm, suitable for all standard reels



Cable reel magazine / cable reel holder

suitable for	Width	Cable reel magazine	Cable reel holder
Appliance / energy mobile	525 mm	ELCM.506M	ELCM.506
Orgamobile	600 mm	ELCM.606M	ELCM.606

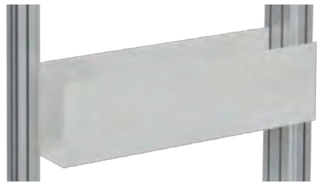
Horizontal holder for socket strips For inserting socket strips from the side, with two openings for feeding through the mains cables including plug without container. For socket strips, see page 374.

Horizontal holder for socket strips

suitable for	Width	Order no.
Appliance / energy mobile	525 mm	ELCM.507
Orgamobile	600 mm	ELCM.607

Sheet steel tray

For storing work materials, socket strips and cables etc.

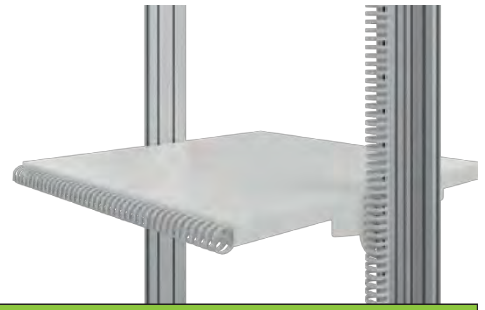


Sheet steel tray

suitable for	Size W x H	Order no.
Appliance / energy mobile	525 x 160 x 160 mm	ELCM.508
Orgamobile	600 x 160 x 160 mm	ELCM.608

Horizontal / vertical wiring duct

For attachment to the aluminum base profile. Cables can be inserted and removed at any height. Diameter: Ø 30 mm.



Wiring duct, Ø 30 mm

	Length	Order no.
Horizontally suitable for		
Appliance / energy mobile	525 mm	ELCM.500H
Orgamobile	600 mm	ELCM.600H
Vertical suitable for mobile height		
780 mm	645 mm	ELCM.780V
1100 mm	965 mm	ELCM.1100V
1300 mm	1165 mm	ELCM.1300V
1600 mm	1465 mm	ELCM.1600V
1800 mm	1665 mm	ELCM.1800V

Hose holder / laboratory cord holder **Hose holder:** For lateral attachment to the aluminum base profile.

Laboratory cord holder: With 21 support elements, 300 mm long. For lateral attachment to the aluminum base profile.

Hose holder / measuring line holder

Hose holder	Test lead holder
ELCM.Z4.020	ELCM.Z4.011

Mounting accessories

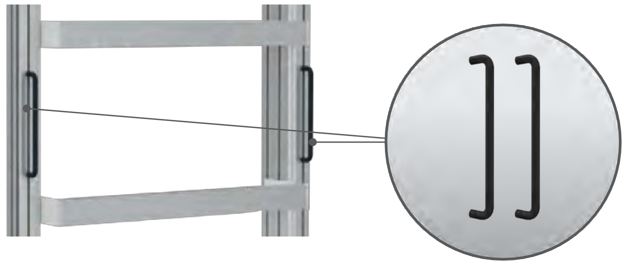
Stopper edge

For attaching to shelves and containers.

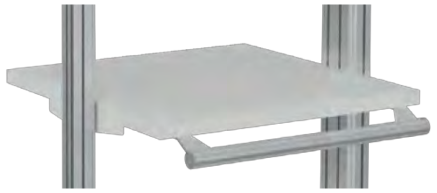
Stopper edge	
suitable for	**Order no.**
Appliance / energy mobile	ELCM.509
Orgamobile	ELCM.609

Push handles

Vertical: 2 push handles for attachment to the aluminum profile. Standard bow handles, black. Alternatively, ergonomic functional handles in other colors (see page 352, below).



Horizontal: 1 push handle across the entire usable width of the mobile unit. For attachment to shelves and containers.



Push handles		
suitable for	**Vertical**	**Horizontal**
Appliance / energy mobile	ELCM.520V	ELCM.520H
Orgamobile	ELCM.620V	ELCM.620H

Limiting bracket

For attaching to shelves and containers.

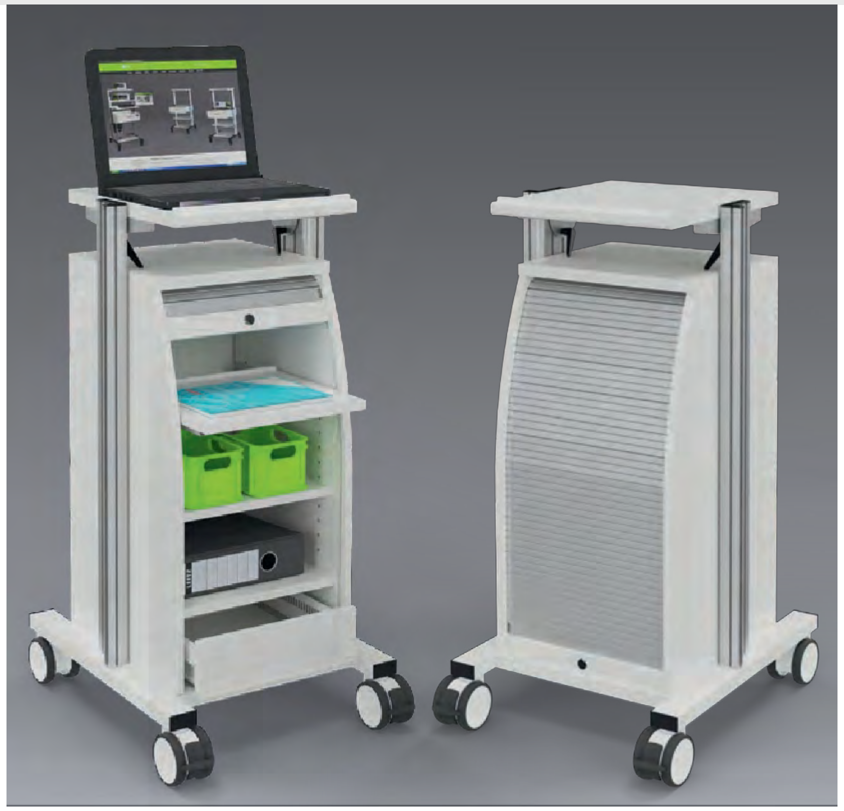
Limiting bracket	
suitable for	**Order no.**
Appliance / energy mobile	ELCM.521
Orgamobile	ELCM.621

Experimental frame

Experiment frame for holding DIN A4 experiment plates.

Experimental frame		
suitable for	**Size** W x H	**Order no.**
Appliance / energy mobile		
1-row	525 x 385 mm	ELC7.1.500.1
2-row	525 x 720 mm	ELC7.1.500.2
3-row	525 x 1055 mm	ELC7.1.500.3
Orgamobile		
1-row	600 x 385 mm	ELC7.1.600.1
2-row	600 x 720 mm	ELC7.1.600.2
3-row	600 x 1055 mm	ELC7.1.600.3

Caddymobile



Caddymobile

- Already preconfigured incl. lockable roller shutter cabinet and tiltable shelf
- Size: 430 x 460 x 1100 mm

Caddymobile

Caddymobil base frame

Size (W x D x H): 481 x 460 x 1100 mm

Consisting of a sturdy welded steel frame with 4 heavy-duty swivel castors. Base plate, 30 mm thick, melamine resin coated.

Castors: Heavy duty, Ø 100 mm. 2 lockable castors.

Base profiles: 2 aluminum L-profiles, each solidly screwed to the steel frame and the side walls of the roller shutter cabinet using 2 brackets. To hold the shelf.

Shelf included

Size (W x D x H): 430 x 460 x 20 mm

Melamine resin-coated, with sturdy steel brackets for fastening in the grooves of the aluminum profile. Can be tilted forwards by 15°, including 2 adjustment levers and stopper edge at the front.

Including lockable roller shutter cabinet

Size: 430 x 460 x 850 mm (W x D x H) Includes:

- Adjustable pull-out shelf with stopper edge at the rear,
- Adjustable shelf with stopper edge at the rear
- Permanently fitted shelf as a construction shelf with stopper edge at the rear
- Steel drawer with wooden front, fully organizable, Size (NB x NT): 327 x 330 mm
- Lockable roller shutter system in silver-grey

Caddymobil incl. shelf and roller shutter cabinet	
Size	**Order no.**
481 x 460 x 1100 mm	ELCM.4411.x

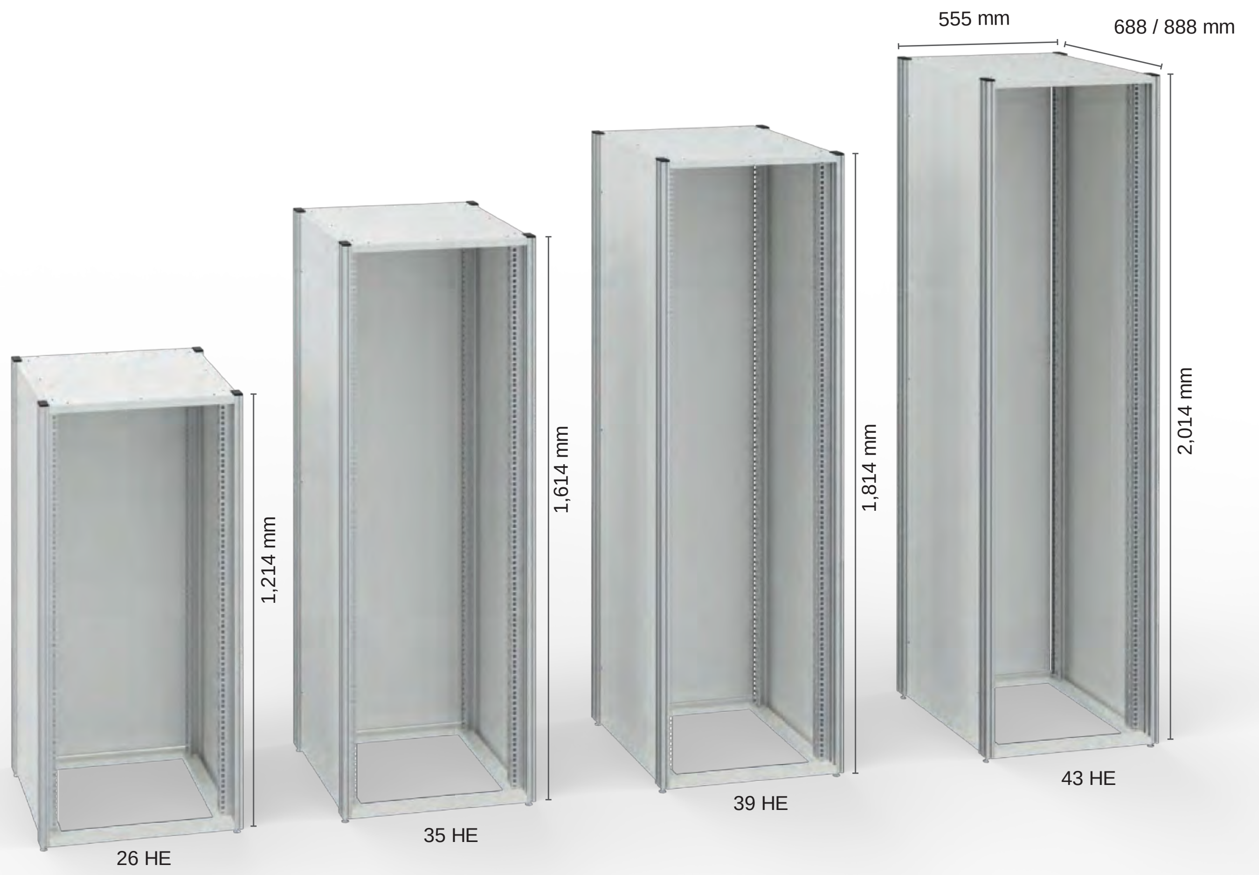
Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

erfi Testsysteme
CANDY

Illustration shows complete test system for commercial kitchen appliances. Contains optional extras.

elneos® 19 -
Modern 19-inch cabinet system

elneos® 19 - modern 19 inch cabinet system



Technical product description:

Design features

- Enclosure to DIN 41494 / IP protection class 20
- Sturdy welded steel frame at the top and bottom
- 4 aluminum profile feet, solidly screwed to the steel frame
- Aluminum profile base with 6 functional grooves for connecting useful system components
- 2 front and 2 rear 19-inch grid profiles each
- 2 side panels made of sheet steel, powder-coated, easy to dismantle
- 1 lockable wooden rear door
- 1 cover plate made of sheet steel, powder-coated
- Optionally with ribbed aluminum base plate
- Stationary version with 4 floor levelers
- Mobile version with 4 heavy-duty castors

19 inch cabinets

Cupboard height	**HE units**	**Cabinet depth 688 mm** Effective depth 600 mm	**Cupboard depth 888 mm** Effective depth 800 mm
1,214 mm	26 HE	ELC47.1.6812	ELC47.1.8812
1,614 mm	35 HE	ELC47.1.6816	ELC47.1.8816
1,814 mm	39 HE	ELC47.1.6818	ELC47.1.8818
2,014 mm	43 HE	ELC47.1.6820	ELC47.1.8820

Fastening sets

Floor mounting bracket **order no.:** ELC47.2.111 **Wall mounting bracket** **order no.:** ELC47.2.112 **Fixing one below the other** of two 19 inch cabinets **Order no.:** ELC47.2.113

Earthing set

All metal parts are electrically connected to each other and wired to a central connection, **order no.:** ELC47.2.114

Accessories

Cover panel 40 mm thick
High-density fine chipboard with textured, glare-free plastic coating, light gray. Replaces the standard cover panel.

Cover plate 40 mm thick	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.2.105.68	ELC47.2.105.88

Cover plate with integrated fan plate Cover plate made of sheet steel with integrated fan plate including 2 fans and temperature controller. Replaces the standard cover plate.

The fan plate for **enclosure depth 688** mm contains 2 cut-outs for extending from 2 to 4 fans. The fan plate for **an enclosure depth of 888** mm contains 4 cut-outs for extending from 2 to 6 fans.

Technical data for 1 fan:

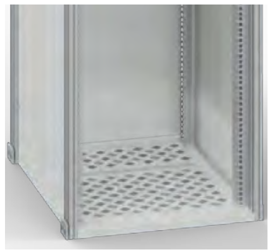
- Rated operating voltage: 230 V
- Rated power: 19 / 18 W at 50 / 60 Hz
- Air flow rate (free-blowing): 160 / 180 m³/h, 50 / 60 Hz
- Temperature range: - 10 °C to+ 55 °C

Technical data for temperature controller:

- Rated operating voltage: 250 V
- Temperature range:+ 5 °C to+ 55 °C

Fan extension kit for 1 cut-out
Order no.: V 47.2.104

Cover plate with integrated fan plate	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.2.103.68	ELC47.2.103.88



Base plate
2-part, ribbed aluminum base plate, accessible.

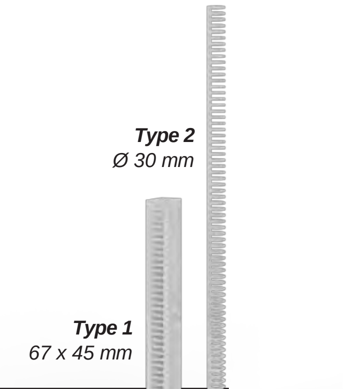
Base plate	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.2.102.68	ELC47.2.102.88

Castor set
4 heavy-duty castors Ø 125 mm, 2 of them lockable. Load capacity approx. 400 kg. This increases the overall height of the wardrobe by 150 mm.

Castor set	
Order no.	ELC47.2.101

Wiring duct

- Mounting in the rear area of the 19-inch enclosure
- Cables can be fed in and out at any height
- Incl. mounting material



Wiring duct		
Cupboard height	**Type 1** ▭	**Type** ○
1,214 mm	ELC47.3.103.12	ELC47.3.104.12
1,614 mm	ELC47.3.103.16	ELC47.3.104.16
1,814 mm	ELC47.3.103.18	ELC47.3.104.18
2,014 mm	ELC47.3.103.20	ELC47.3.104.20

Fastening sets

19 inch fixtures and front panels
For attaching a 19-inch installation or a front panel to two 19-inch grid profiles.

Set consisting of:
– 4 M6 cage nuts
– 4 M6 x 12 screws
– 4 plastic washers

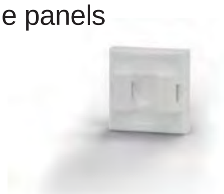
Order no.: ELC47.3.102

Cable ties, 20 pieces
Quick fixing of cables to the 19 inch grid profile at the rear or to adhesive plates on the side walls. Made of plastic.

Order no.: ELC47.3.105

Adhesive plates, 20 pieces

- For one-time gluing to the side panels
- For attaching cable ties
- Made of plastic



Order no.: ELC47.3.106

Fastening material for socket strips For mounting a socket strip in the rear area of the 19-inch enclosure

Order no.: ELC47.3.115

For socket strips, see page 374.

Interior cabinet light
For mounting in the 19 inch cabinet.

- 8 W / 230 V, 50 Hz
- Electronic ballast
- Prismatic lamp cover / glare-free light
- Luminaire length 310 mm
- Color white
- Incl. mounting material

Order no.: ELC47.3.112

19-inch keyboard insert 1 U mouse pad and 19-inch keyboard

19 inch keyboard drawer 1 U

- Mounting on 19 inch grid profiles
- Sheet steel
- For 19 inch keyboards with touchpad mouse or trackball, for max. dimensions 417 x 210 x 39 mm
- Closed at the front and lockable
- Incl. mounting material

Order no.: ELC47.4.110

Mousepad, retractable

- Attachment on the right or left of the 19-inch keyboard drawer
- Folds away into the keyboard drawer when not in use
- Sheet steel
- Only in conjunction with 19 inch keyboards max. 39 mm height

Order no.: ELC47.4.111

19 inch keyboard

- For installation in the 19-inch keyboard drawer

  in conjunction with a touchpad mouse
- German keyboard layout, 105 keys, IP 20
- Film contact technology
- Size 405 x 180 x 38.9 mm
- PS / 2 plug
- Switching force 0.6 N/ 4.0 mm
- Operating temperature 0°C to 50°C

Order no.: ELC47.4.112

Accessories

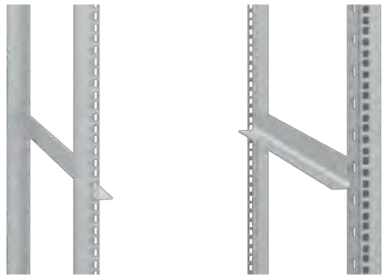
19 inch system light, 1 U
- Mounting on 19 inch grid profiles
- 11 W, with 1 Schuko socket outlet
- Aluminum housing
- Schuko sockets DIN 49440, 250 V ~, 16 A
- Connection cable 2 m
- Socket outlet arrangement 45°
- Plastic parts anthracite gray, similar to RAL 7016
- Incl. mounting material

19 inch system light, 1 U	
Ballast	
Conventional	**electronic**
ELC47.3.110	ELC47.3.111

19 inch socket strip, 1 U
- Mounting on 19 inch grid profiles
- with 8 Schuko sockets
- Aluminum housing
- Schuko sockets DIN 49440, 250 V ~, 16 A
- Connection cable 2 m
- Socket outlet arrangement 45°
- Plastic parts anthracite gray similar to RAL 7016
- Incl. mounting material

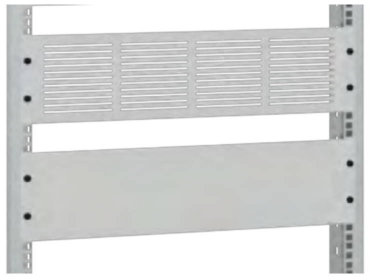
19 inch socket strip, 1 U	
Execution	
without switch	**with switch**
ELC47.3.113	ELC47.3.114

Other versions on request.



Slide rails, 1 pair
- Mounting on 19 inch grid profiles
- Flexible integration of 19-inch plug-in devices
- Incl. mounting material
- Made of galvanized sheet steel

Slide rails, 1 pair	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.3.101.68	ELC47.3.101.88



19 inch front panels (without handles)
- Mounting on front 19-inch grid profiles
- Incl. mounting material

19-inch front panels (basic device system)		
Height	**Empty plates**	**Ventilation panels**
1 HE	C01.300	C01.305
2 HE	C02.300	C02.305
3 HE	C03.300	C03.305
6 HE	C06.300	-

19 inch shelf, fixed
- Mounting on 19 inch grid profiles
- High density chipboard
- With plastic coating, light gray
- Shelf (W x D):
  450 x 500 mm / cupboard depth 688 mm
  450 x 700 mm/ cabinet depth 888 mm
- Incl. mounting material

19 inch shelf, fixed	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.4.101.68	ELC47.4.101.88

19 inch shelf, extendable
- Mounting on 19 inch grid profiles
- Full-extension runner with multiple ball bearings
- Load capacity 60 kg
- High density chipboard
- Plastic coating, light gray
- Shelf (W x D):
  450 x 500 mm / cupboard depth 688 mm
  450 x 700 mm/ cupboard depth 888 mm
- Incl. mounting material

19 inch shelf, extendable	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.4.102.68	ELC47.4.102.88

19 inch drawer, 2 U / 3 U
- Mounting on 19 inch grid profiles
- Sheet steel
- Shelf: 411 x 419 mm
- Closed at the front and lockable
- Incl. mounting material

19 inch drawer, 2 U / 3 U	
2 U drawer	**3 U drawer**
ELC47.4.103	ELC47.4.104

19 inch storage table, 3 U
- Mounting on 19 inch grid profiles
- Sheet steel
- Shelf: 450 x 295 mm
- Incl. mounting material

19 inch storage table, 3 U	
Order no.	ELC47.4.105

EVOline®
2,1 A
10,5 W - 5,0 V

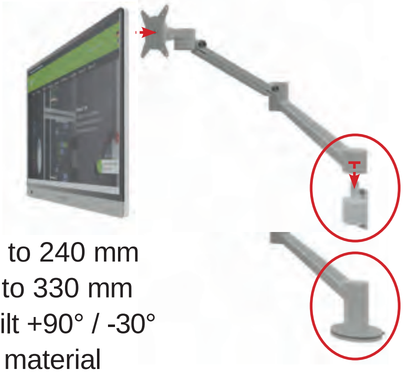
General accessories

Monitor holder..372
IT accessories 373
Electrification..374
Other accessories..376
ESD workplace equipment 378
T-slot nuts...380
Overview of profile grooves 381

Monitor holder

according to VESA standard
75 x 75 or 100 x 100 mm

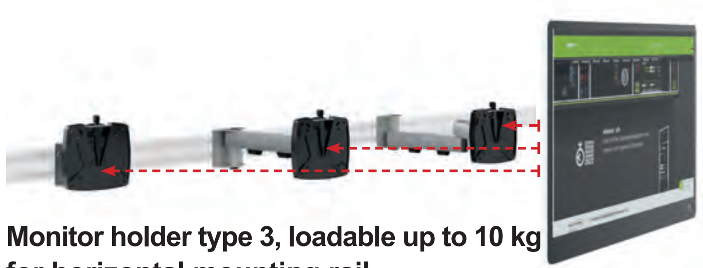
Monitor holder type 1
- Infinitely height-adjustable
- 2-piece
- Easy monitor attachment thanks to quick release
- incl. mounting material



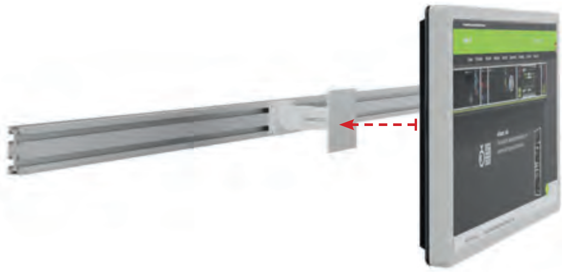
Monitor holder type 2
- Height adjustment up to 240 mm
- Depth adjustment up to 330 mm
- Rotate / swivel 360°, tilt +90° / -30°
- Incl. fixing / mounting material

Monitor holder type 1		
Range	**Loadable up to**	**Order no.**
505 mm	15 kg	ELC100.1.001
700 mm	10 kg	ELC100.1.002
800 mm	10 kg	ELC100.1.003
900 mm	10 kg	ELC100.1.004

Monitor holder type 2		
Mounting type	**Loadable up to**	**Order no.**
To plug in, incl. universal adapter	7 kg	ELC100.1.020
Through-desk mounting	7 kg	ELC100.1.021



Monitor holder type 3, loadable up to 10 kg for horizontal mounting rail
- Ball joint / swivel range 60°
- Easy monitor attachment thanks to quick release
- incl. mounting material



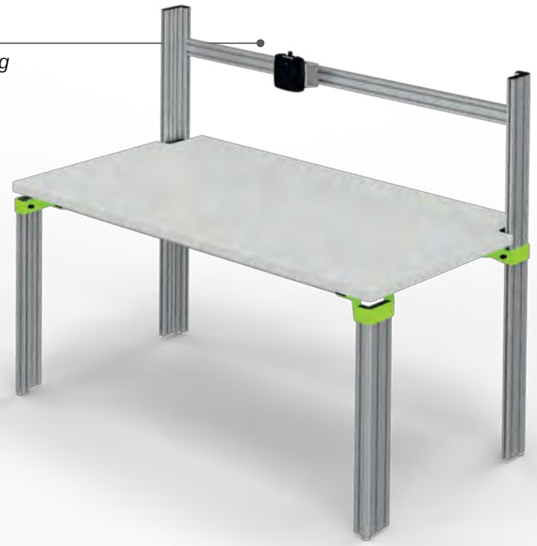
- Movable up / down, right / left
- incl. mounting material

Monitor holder type 3, loadable up to 10 kg	
Reach	**Order no.**
110 mm	ELC100.1.030
300 mm	ELC100.1.031
445 mm	ELC100.1.032 (2-piece support arm)

Monitor holder type 3, loadable up to 15 kg	
Reach	**Order no.**
100 mm	ELC100.1.033

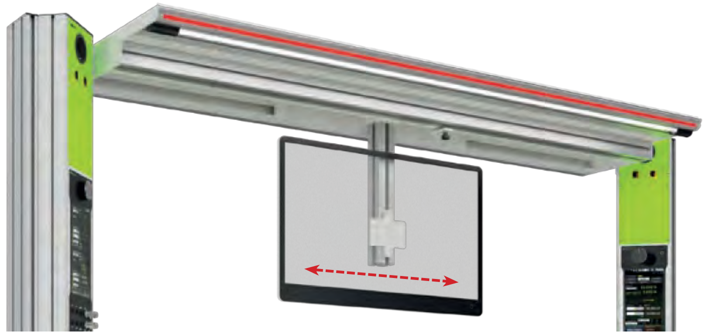
Horizontal aluminum mounting rail
- For mounting between two aluminum base profiles
- Infinitely adjustable in height
- for mounting monitor holders type 3

Aluminum mounting rail for monitor holder type 3	
Table width	**Order no.**
1,200 mm	ELC100.5.012
1,600 mm	ELC100.5.016
1,800 mm	ELC100.5.018
2,000 mm	ELC100.5.020



Horizontal mounting rail for monitor holders type 3.

IT accessories



Monitor holder type 4 movable
- Can be used under intermediate shelves
- At least 450 mm clearance between board / table top
- For flat screens
- Infinitely adjustable in width
- Can be fixed with a knurled screw

Order no.: ELC100.1.040

Notebook holder
- For notebooks up to 10 kg
- Infinitely adjustable in height
- Shelf 400 x 288 mml
- Swivels in both directions
- 45° tiltable
- Reach: 589 mm
- For direct attachment to the aluminum profile, straight version, incl. T-nuts and fastening material

Order no.: ELC100.1.051

Keyboard / mouse tray
- Shelf for keyboard / mouse, 640 x 172 mm
- Load capacity up to 10 kg
- Infinitely adjustable in height
- Swivel range 180°
- Tiltable by 45°
- Reach: 528.5 mm incl. keyboard shelf
- For direct attachment to the aluminum profile, straight version, incl. sliding blocks and fastening material

Order no.: ELC100.1.052

Tablet holder
- For tablets with a size of 7 to 13 inches
- Variable clamping width from 160 to 300 mm
- Depth (thickness) up to 12mm
- Infinitely adjustable in height
- For direct attachment to the aluminum profile, straight version, incl. sliding blocks and fastening material

Order no.: ELC100.1.050

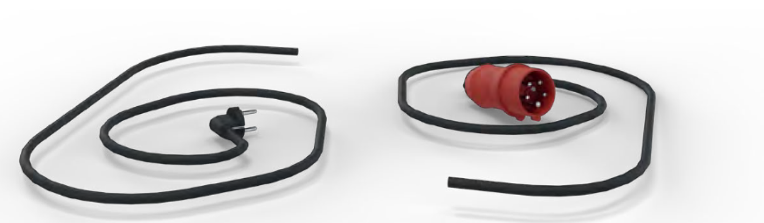
Keyboard drawer

Mounted below the worktop, extendable.
- Max. Weight load: 6 kg
- External dimensions (W x D x H): 585 x 360 x 80 mm
- Internal dimensions (W x D x H): 543 x 360 x 60 mm
- Color: black

Order no.: ELC100.1.060

Electrification

Expansion parts for electrification



Expansion parts for electrification

Removal part	Execution	Order no.
Mains connection	1-phase, including 5-way distribution	ELC100.2.020
	3-phase, including 5-way distribution	ELC100.2.021
Additional distribution block	1-phase, 5-way	ELC100.2.022
	3-phase, 5-fold	ELC100.2.023
Mains connection cable	1-phase, with Schuko plug	ELC100.2.024
	3-phase, with CEE plug	ELC100.2.025
Connection cable	1-phase to the next table	ELC100.2.026
	3-phase to the next table	ELC100.2.027
Mains transfer plug	1-phase for connection to 5-way distribution	ELC100.2.028
	3-phase for connection to 5-way distribution	ELC100.2.029
Mains transfer socket	1-phase	ELC100.2.030
	3-phase	ELC100.2.031
Cable set for angled connections (PVC trunking installed underneath and cable entry box Ø 70 mm)		ELC100.2.032
Slide rails, 1 pair	for cockpits / table tops and 19-inch racks 360 mm deep	ELC100.3.010
	for cockpits / table superstructures 500 mm deep	ELC100.3.011
	for PC pedestals 620 mm deep	ELC100.3.012
	for PC pedestals 770 mm deep	ELC100.3.013
Fastening set	for 19 inch slide-in units, consisting of 4 screws, spring nuts and washers each	ELC100.3.014

Socket strips

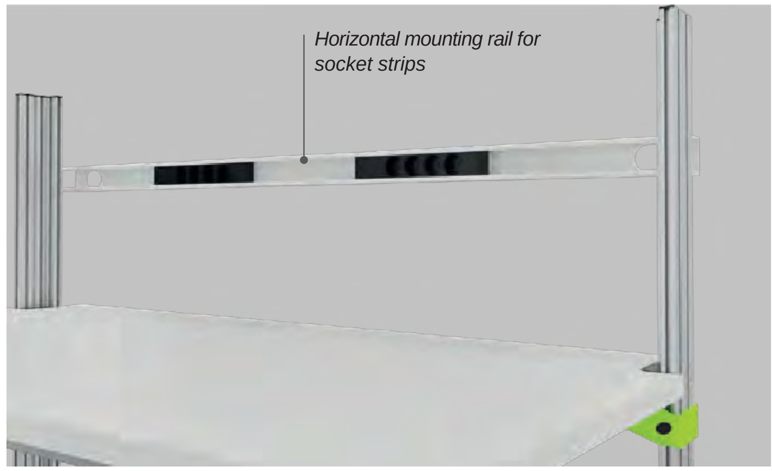
- Housing made of impact-resistant PP,
- Chlorine and halogen-free
- Connection cable 2 m with Schuko angle plug
- Socket outlet arrangement 45°
- Sockets with earthing contact DIN 49440
- 250 V ~, 16 A

Socket strips

Number of sockets	Last width	Color	without switch	with switch
3-fold	296 mm	orange, similar to RAL 2004	ELC100.2.010	ELC100.2.011
3-fold	296 mm	anthracite gray, similar to RAL 7016	ELC100.2.012	ELC100.2.013
5-fold	384 mm	anthracite gray, similar to RAL 7016	ELC100.2.014	ELC100.2.015
6-fold	428 mm	anthracite gray, similar to RAL 7016	ELC100.2.016	ELC100.2.017

Horizontal holder for socket strips

For mounting between 2 aluminum base profiles, infinitely height-adjustable. Sockets can be inserted from the side. Incl. 2 openings for feed-through of the mains cable.

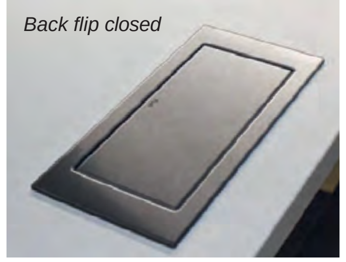


Aluminum mounting rail for socket strips

Table width	Order no.
1,200 mm	ELC100.6.012
1,600 mm	ELC100.6.016
1,800 mm	ELC100.6.018
2,000 mm	ELC100.6.020

Built-in socket outlets Built-in socket outlets can be installed flush in tabletops and table tops to save space.

Back flip open



Port: Built-in solution in column form. Simply grab the cover and pull upwards.

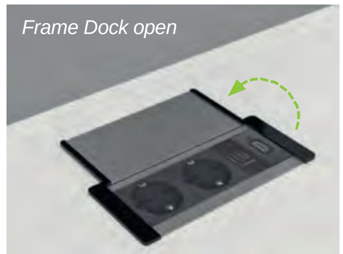
Back flip: light pressure on the lid causes the module to rotate 180° upwards.

Port

Variant	Fitting	Order no.
1	3x Schuko	ELC.P1
2	2x Schuko, 1x USB	ELC.P2
3	2x Schuko, 2x RJ45	ELC.P3

Back Flip

Variant	Fitting	Order no.
1	3x Schuko	ELC.BF1
2	2x Schuko, 1x USB	ELC.BF2
3	2x Schuko, 2x RJ45	ELC.BF3



Frame Dock closed

Flip Top: Installation solution. When light pressure is applied to the cover, the module rotates upwards by 45°.

Frame Dock: Space-saving recessed into the table / top plate incl. cover to protect against dust.

Flip top

Variant	Fitting	Order no.
1	4x Schuko	ELC.FT1
2	3x Schuko	ELC.FT2
3	2x Schuko, 2x USB	ELC.FT3
4	3x Schuko, 2x USB	ELC.FT4
5	3x Schuko, 2x RJ45	ELC.FT5
6	2x Schuko, 2x USB, 2x RJ45	ELC.FT6

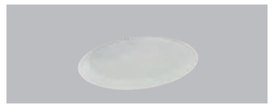
Fram Dock

Variant	Fitting	Order no.
1	3x Schuko	ELC.FD1
2	2x Schuko, 2x USB	ELC.FD2
3	2x Schuko, 2x RJ45	ELC.FD3
4	2x Schuko, 1x USB, 1x RJ45	ELC.FD4
5	2x Schuko, 1x USB double charging socket A + C, 1x HDMI	ELC.FD5

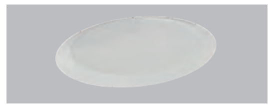
Other accessories

Cable entry boxes
Made of plastic, color light grey, with spring-loaded, rotatable segment in the cover. To pull in cables with plugs, the cover can be removed and then clipped back onto the outer ring.

Diameter Ø 50 mm, cable cut-out 15 x 30 mm **Order no.:** ELC100.2.051



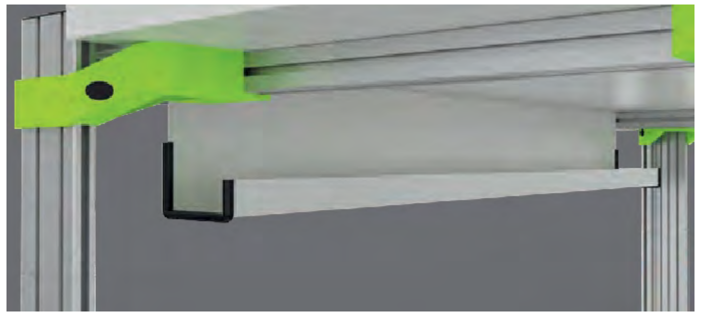
Diameter Ø 70 mm, cable cut-out 20 x 45 mm **Order no.:** ELC100.2.050



Cable set for angle connections
Consisting of PVC duct installed underneath and 1 cable entry box Ø 70 mm recessed in the table top. Cable cut-out 20 x 45 mm.

Order no.: ELC100.2.032

elneos cable tray, open at the front
Cable tray made of sheet steel. deal for accommodating large quantities of cables and socket strips. Accessible from the front, open at the side for optimum through-wiring. Mounted on the aluminum table frame. Usable height: 160 mm, usable depth: 105 mm, chamfered at the front by 40 mm.

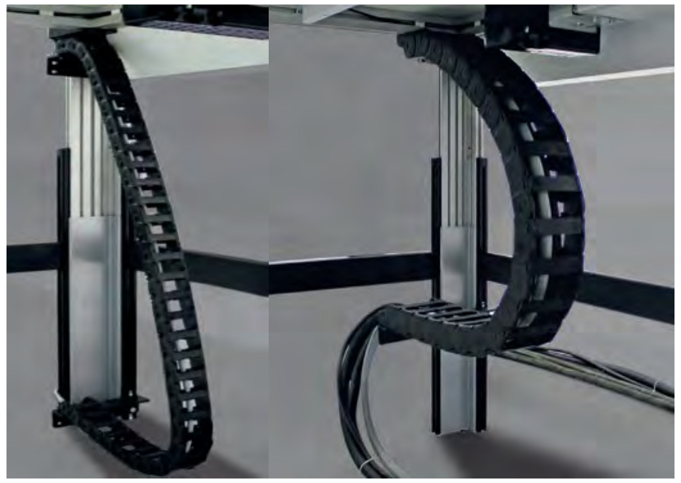


elneos cable tray, open at the front

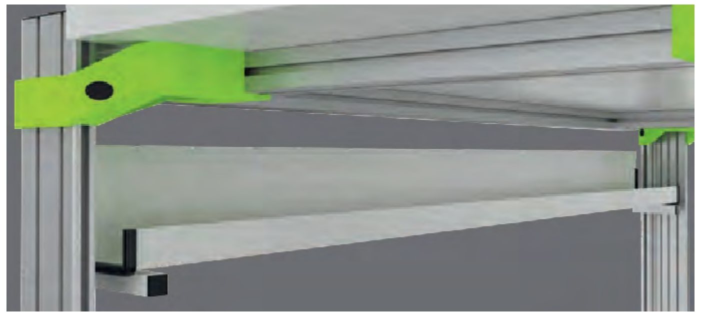
Table length	Order no.
1,200 mm	ELC100.4.012
1,600 mm	ELC100.4.016
1,800 mm	ELC100.4.018
2,000 mm	ELC100.4.020

Cable drag chain: Flexible cable drag chain for feeding into the table from the floor or ceiling.

Width 50 mm: **Order no.:** ELC100.2.060	**Width 120 mm:** **Order no:** ELC100.2.061



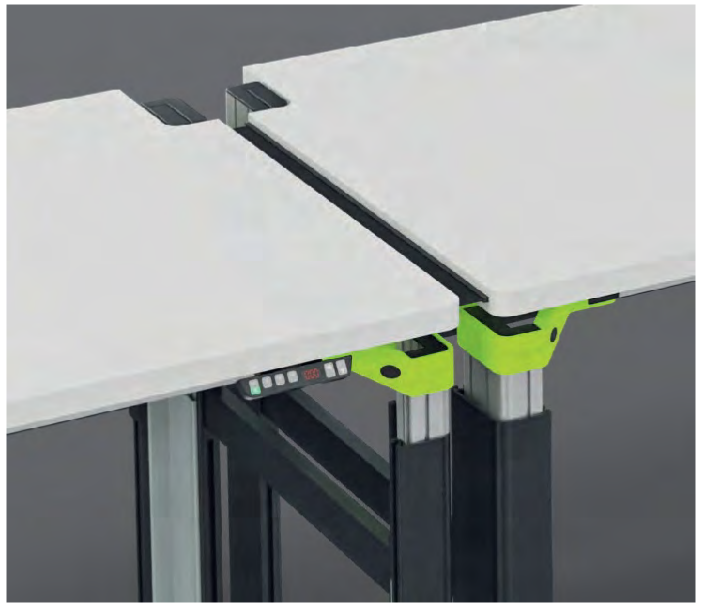
elneos cable tray, height-adjustable, open at the front Cable tray made of sheet steel. Ideal for accommodating large quantities of cables and socket strips. Accessible from the front, open at the side for optimum through-wiring. Mounted between 2 foot profiles, infinitely height-adjustable. Usable height: 160 mm, usable depth: 105 mm, chamfered at the front by 40 mm.



elneos cable tray, variable height, open at the front

Table length	Order no.
1,200 mm	ELC100.4.012.HV
1,600 mm	ELC100.4.016.HV
1,800 mm	ELC100.4.018.HV
2,000 mm	ELC100.4.020.HV

Brush strip
For mounting on the side or rear of the table top. As anti-trap protection between height-adjustable tables. Brush width 40 mm. Ordering information: Please replace **.x** in the order number with **.R** for the right-hand side of the table and **.L** for the left-hand side of the table.



Brush strip

Execution	Brush length	Order no.
Table depth (page)	850 mm	ELC100.7.0850.x
	1,000 mm	ELC100.7.1000.x
Table length (trailing edge)	1,200 mm	ELC100.7.1200
	1,600 mm	ELC100.7.1600
	1,800 mm	ELC100.7.1800
	2,000 mm	ELC100.7.2000

Warning light columns
For mounting on cockpits, table superstructures, base profiles.

Model 1: LED signal light, Ø: 70 mm. Consisting of connection element and flexibly selectable signal elements.
Signaling: continuous light or flashing light.

Spacer / spacer bolt
For connecting 2 height-adjustable tables at a distance of 40 mm (anti-trap protection).
Order no.: ELC100.7.010

Mounting bracket
For firmly anchoring the furniture components to the floor or wall.

Floor mounting order no.: ELC100.7.013

Wall mounting order no.: ELC100.7.014

Connecting tabs Table top to table top Connection of the table tops to each other, length: 90 mm. **Order no.:** ELC100.7.015

Series installation Connection of the base profiles to each other, length: 63 mm. **Order no.:** ELC100.7.016

Back-to-back connection of the 40/40 profiles to each other, length: 95 mm. **Order no.:** ELC100.7.017

Connection of the base profiles to each other, length: m 160 m **Order no.:** ELC100.7.018

LED signal light, model 1

LED signal elements	Permanent light	Flashing light
green	ELC100.DG	ELC100.BG
red	ELC100.DR	ELC100.BR
yellow	ELC100.DY	ELC100.BY
clear	ELC100.DK	ELC100.BK
blue	ELC100.DB	ELC100.BB

ESD workplace equipment

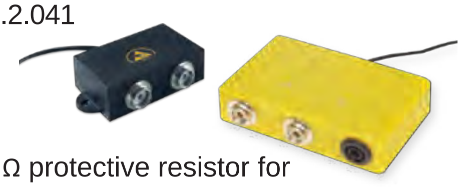
ESD workplace equipment The ESD accessories program from erfi leaves nothing to be desired in terms of additions and retrofitting. leaves nothing to be desired. A number of system components are required to equip a modern ESD-compliant workstation. In particular, the standards IEC 61340-5-1 and DIN IEC 47 (Sec) 1330 provides information on the requirements for ESD workplaces and ESD protection zones.

Safety wrist strap With integrated 1 MΩ protective resistor with elastic, adjustable special **wrist strap**.
anti-allergic fabric. 4 mm push-button connection for spiral cable.

Order no.: ELC100.2.040

Spiral cable
with integrated 1 MΩ protective resistor on both sides
with 2x 10 mm press stud, for connecting the work mats to the safety wrist strap.

Order no.: ELC100.2.041



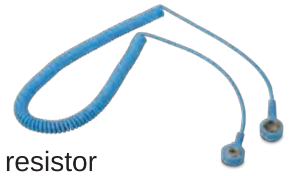
Earthing modules
with integrated 1 MΩ protective resistor for top or under-counter use
Screw fastening with 2 x push button 10 mm. Earthing module black

Order no.: ELC100.2.044

Yellow earthing module with additional 4 mm socket
Order no.: ELC100.2.046

Spiral cable
with integrated 1 MΩ protective resistor with 4 mm push-button and crocodile terminal, for connecting the working mats to the ELC100.2.042 earthing module.

Order no.: ELC100.2.042



Spiral cable
with integrated 1 MΩ protective resistor with 4 mm
Push button and 10 mm push button for connecting the working mats to the earthing module.

Order no.: ELC100.2.043

Earthing box
with integrated 1 MΩ protective resistor.
Schuko earthing plug for connection to Schuko socket outlet, 6 x push-button connection 10 mm.

Order no.: ELC100.2.045

Work mats / floor mats
Available in fixed dimensions or by the meter. Conductive work mats have the following properties:

- Two-layer, wear-resistant synthetic rubber flooring
- Solder and heat resistant
- abrasion resistant
- halogen-free
- volume conductive
- Leakage resistance RA according to EN 61340-5-1: 10^6-10^7
- Conductive bonding is not required

Work mat				
Work mat	**Dimensions / thickness**	**Execution**	**Color**	**Order no.**
Soft PVC work mat	1,000 x 600 x 2 mm	non-conductive	gray	ELC100.8.001
ESD work mat	1,000 x 600 x 2 mm	Conductive, with rounded corners, assembled with 2 press studs 10 mm and 1 discharge cable, smooth (1 m)	platinum gray	ELC100.8.002
ESD floor mat	2,000 x 1,200 x 2.5 mm	Conductive, assembled with 2 press studs 10 mm and 1 discharge cable	platinum gray	ELC100.8.004

Cut-to-size and yard goods on request!

Permanent ESD monitoring
The ESD monitors for 1 or 2 users permanently monitor the correct earthing. If a connection is unintentionally disconnected (the wrist strap is taken off or the earthing cable of the table mat
is torn off), an audible and visual operator alarm is triggered. When leaving the work area, the operator can remove his wrist strap
"park" at a special connection point so as not to trigger an alarm.

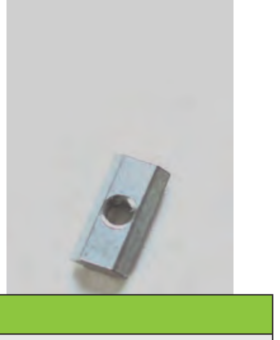
For 1 user:
Multi-mount monitor
Mounted underneath the table top. The monitor permanently monitors the correct earthing of a wrist strap and an ESD work surface.

Order no.: ELC.EM.1U

For 2 users:
Dual permanent monitoring system DK 4 / DK 10
Mounted underneath the tabletop, optionally on the left, right or in the middle. Additional visual status display, which can be mounted on the table top or on the table structure. The visual status display is optionally available integrated in a front panel, see page 157. The monitor permanently monitors the correct earthing of two operators and an ESD work surface (optionally with 2 DK 4 or 2 DK 10 connections).

Order no.: ELC.EM.2U

T-slot nuts

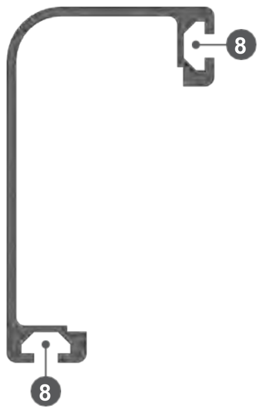


T-slot nuts				
Type	Type 1	Type 2	Type 3	Type 4
Groove	⑧	⑧	⑥	⑥
Thread	M8 / M6	M5	M4 / M5 / M6	M6 - left-hand thread!
Order no.	ELC54.2.110	ELC54.2.120	ELC54.1.110	ELC54.1.130
Notes		*for boards, cockpits, frames, etc.*		

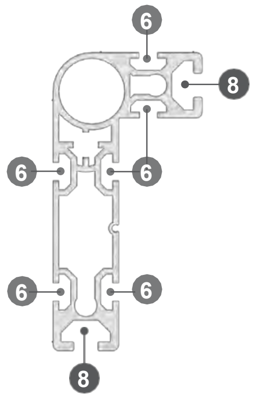
Sliding blocks for subsequent insertion into the groove					
Type	Type 6				
Groove	⑧	⑥	⑧	⑧	⑧
Thread	M5 / M6 / M8	M4	M5	M6	M8
Order no.	ELC54.2.130	ELC54.1.120	ELC54.2.140	ELC54.2.150	ELC54.2.160
Notes		*for holding all system components, such as universal adapters, mounting accessories, etc.*			

Overview of profile grooves

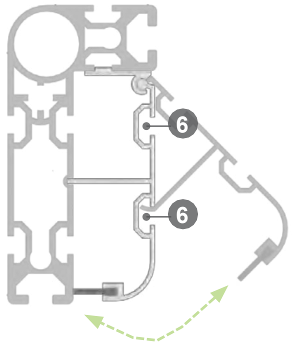
Profile height adjustment



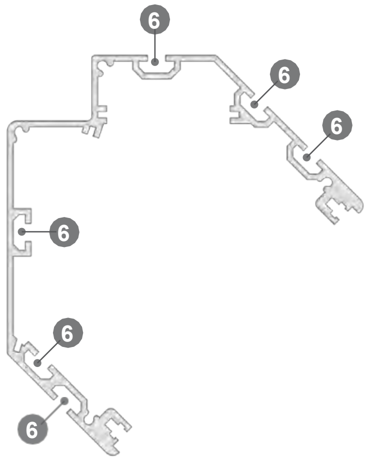
L-profile
(foot profiles)



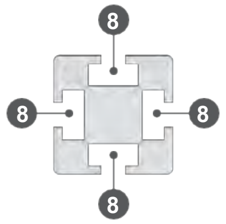
Expansion profile 1
(hinged)



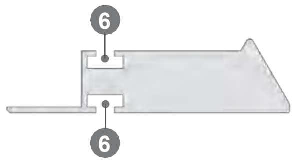
Expansion profile 2



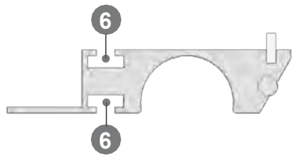
40/40 profile



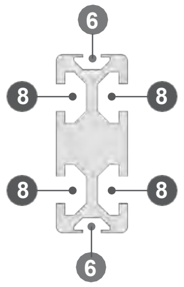
Top functional profile



Toplight functional profile



60/23 profile
(horizontal recording profile)



⑥ = 6-groove
⑧ = 8-groove

Chairs

comfortable sitting

Industrial / laboratory swivel chairs 384
Basic swivel chairs / Swivel stools..388
Office and desk chairs 389
Conference chairs...391

Industrial / laboratory swivel chairs

Industrial swivel chair 1

- Black aluminum base
- Seat / back shell gray ESD version black
- Weight regulation
- Seat depth adjustment
- Seat tilt adjustment
- Backrest height adjustment
- Seat height 450-620 mm
- Flexband in 4 colors selectable

Option

4D armrest
Order no.: ELH4.104D.1
Order no. in ESD: ELH4.104D.2

Order note

Please replace **.x** with the desired **upholstery element** (see table on the right).

Note ESD version

When ordering, please note that not all upholstered elements are ESD-compatible. Only the upholstered elements marked with the ESD symbol can be selected for this purpose. Seat / back shell black.

Select upholstered element

	Fabric	Art leather	Integral Foam	Super-tec
gray:	S3 ⚠	K3	I3	T3
blue:	S2 ⚠	K2	I2	T2
black:	S1 ⚠	K1 ⚠	I1 ⚠	T1 ⚠

Industrial swivel chair 1				
Color Flexband	**Permanent contact backrest**		**Synchronous technology**	
	not ESD	**ESD**	**not ESD**	**ESD**
gray	ELH4.1011.x	ELH4.1012.x	ELH4.1051.x	ELH4.1052.x
green	ELH4.1021.x	ELH4.1022.x	ELH4.1061.x	ELH4.1062.x
blue	ELH4.1031.x	ELH4.1032.x	ELH4.1071.x	ELH4.1072.x
orange	ELH4.1041.x	ELH4.1042.x	ELH4.1081.x	ELH4.1082.x

Industrial swivel chair 2

- Black steel base
- Synchronous technology
- Automatic weight regulation with fine adjustment
- Seat depth adjustment
- Seat tilt adjustment
- Backrest height adjustment
- Seat height 450-600 mm
- Handles available in 4 colors ESD version black

Select option

4D armrest
Order no.: ELH4.204D.1
Order no. in ESD: ELH4.204D.2

Order note

Please replace **.x** with the desired **upholstery element** (see table on the right).

Note ESD version

Black handle color.

Select upholstered element

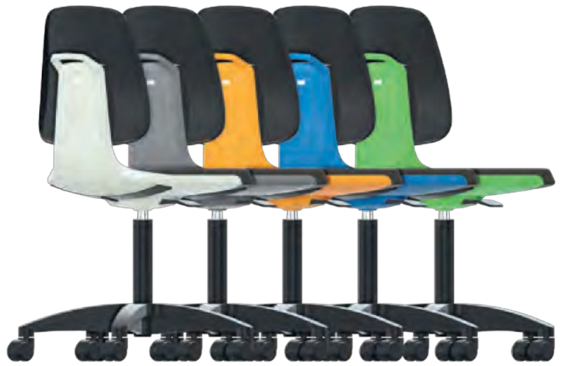
	Fabric	Art leather	Integral Foam	Super-tec
black:	S1 ⚠	K1 ⚠	I1 ⚠	T1 ⚠

Industrial swivel chair 2		
Handle color	**not ESD**	**ESD**
gray	ELH4.2011.x	-
green	ELH4.2021.x	-
blue	ELH4.2031.x	-
orange	ELH4.2041.x	-
black	-	ELH4.2052.x

Industrial / laboratory swivel chairs

Industrial swivel chair 3

- Laboratory chair air purity class 3
- Seat height 450-650 mm
- Black plastic star base
  ESD version polished aluminum
- Seat shell available in 5 colors
  ESD version in black



Option

4D armrest
Order no.: ELH4.304D.1
Order no. in ESD: ELH4.304D.2

Select upholstery element

	Fabric	Art leather	integral foam	Super tec
black:	S1 ⚠	K1 ⚠	I1 ⚠	T1 ⚠

Order note

Please replace **.x** with the desired **upholstery element** (see table on the right).

Hinwis ESD version

Black seat shell, polished aluminum base.

Industrial swivel chair 3		
Seat shell	**not ESD**	**ESD**
anthracite	ELH4.3011.x	-
green	ELH4.3021.x	-
blue	ELH4.3031.x	-
orange	ELH4.3041.x	-
white	ELH4.3051.x	-
black	-	ELH4.3062.x

Task swivel chair 4

- Steel base
- Black frame
- Backrest height adjustment

Option

4D armrest
Order no.: ELH4.404D.1
Order no. in ESD: ELH4.404D.2

Ring armrest
Order no.: ELH4.40RA.1
Order no. ESD: ELH4.40RA.2

Order note

Please replace **.x** with the desired **upholstery element** (see table on the right).

Select upholstery element

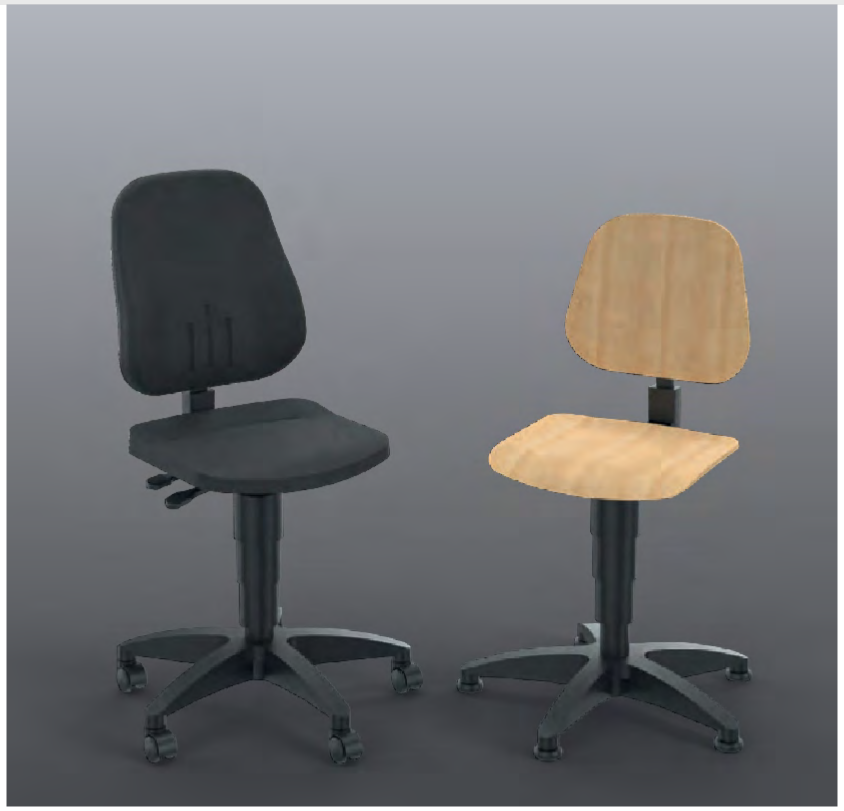
	red	gray	blue	black
Fabric	S4 ⚠	S3 ⚠	S2 ⚠	S1 ⚠
Imitation leather:	**K4**	**K3**	**K2**	**K1** ⚠

Note ESD version

When ordering, please note that not all upholstered elements are ESD-compatible. Only the upholstered elements with the ESD symbol can be selected for this purpose.

Task swivel chair 4					
Permanent contact backrest (height: 430 mm), seat height: 470 - 610 mm		**Permanent contact backrest (height 530 mm) with seat tilt adjustment, seat height 470 - 610 mm**		**Synchronous technology with weight adjustment (backrest H: 530 mm), Seat height: 490 - 630 mm**	
not ESD	**ESD**	**not ESD**	**ESD**	**not ESD**	**ESD**
ELH4.4011.x	ELH4.4012.x	ELH4.4031.x	ELH4.4032.x	ELH4.4051.x	ELH4.4052.x
ELH4.4021.x	ELH4.4022.x	ELH4.4041.x	ELH4.4042.x	ELH4.4061.x	ELH4.4062.x

Basic swivel chairs / swivel stools



Industrial swivel chair 5

- Black plastic star base
- Permanent contact backrest
- Backrest height adjustment
- Seat height 440-620 mm

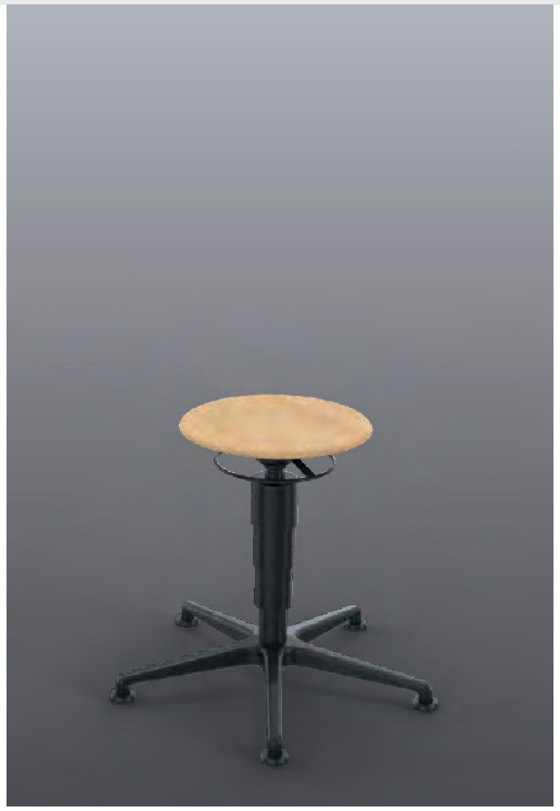
Select upholstery element

	Fabric	Imitation leather	Integral Foam
blue	S2	K2	
black	S1	K1	I1

Order note

Please replace **.x** with the desired **upholstery element** (see above).

Industrial swivel chair 5			
Natural beech stitched wood		**with upholstered element**	
with glider	**with castors**	**with glider**	**with castors**
ELH4.5011.B1	ELH4.5021.B1	ELH4.5031.x	ELH4.5041.x



Swivel stool

- Black steel base
- Glider
- Beech stitch wood natural
- Ring release function

Swivel stool
ELH4.5031

Office and desk chairs

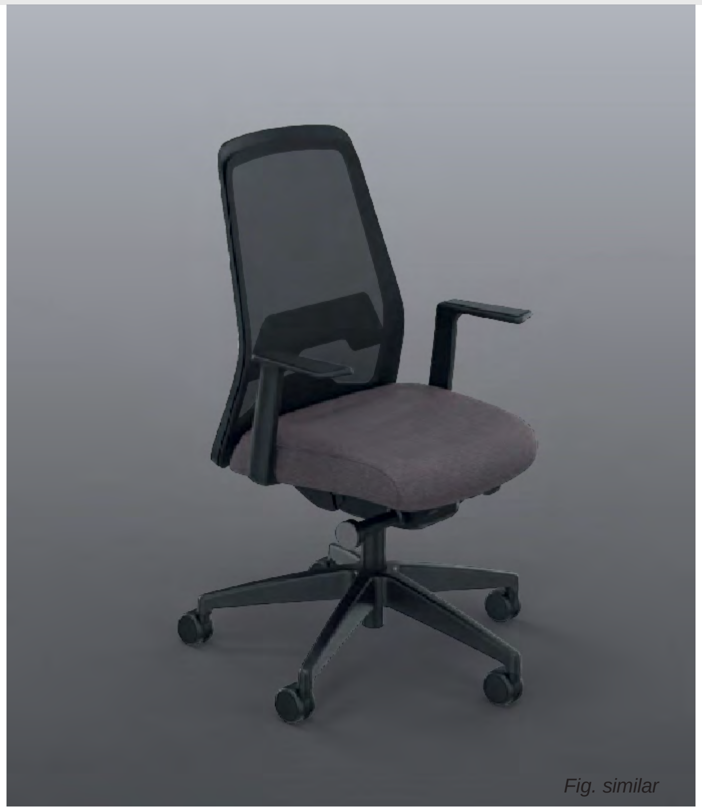


Fig. similar

Office chair 1

- Black plastic star base
- Back: Mesh anthracite
- Seat: Manhattan fabric, black, breathable
- Accentuated seam color red
- Flextech synchronous mechanism
- Lockable backrest, 4-stage
- Lumbar support, height-adjustable
- Seat height adjustment
- Seat depth adjustment
- 2D-T armrest
  Variable height/width
- Universal double castors (for all floors)

Office chair 1
ELH4.0001

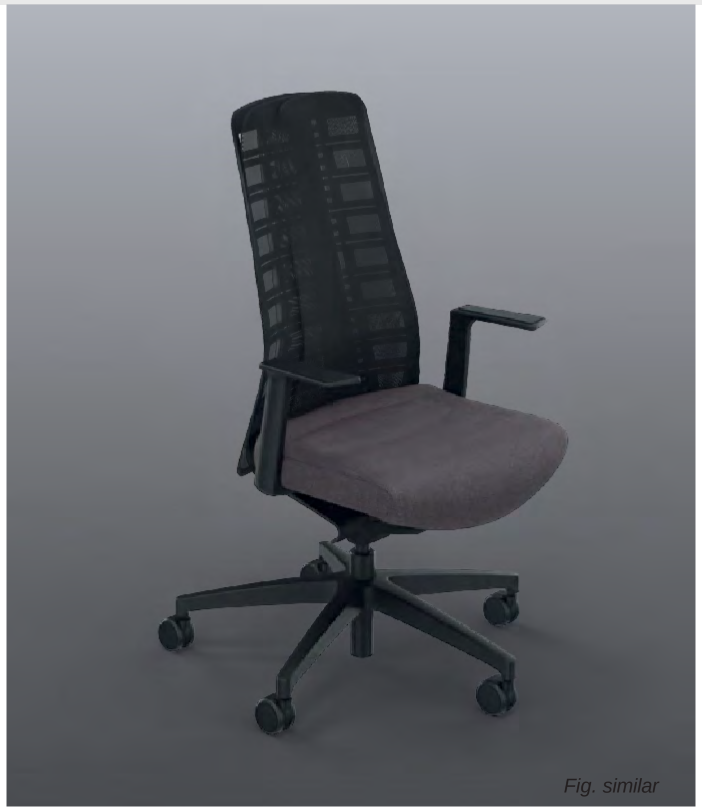


Fig. similar

Office chair 2

- Black plastic star base
- Back: Mesh anthracite
- Seat: Manhattan fabric, black, breathable
- Accentuated seam color red
- Smart-Spring: Automatic adjustment of the user's weight and movement,
  Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Office chair 2
ELH4.0002

Office and desk chairs

Fig. similar

Fig. similar

Office chair 3

- White plastic star base
- Back upholstered fabric Era black, breathable
- Side color accent fabric grey
- Smart-Spring: Automatic adjustment of the user's weight and movement, Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Office chair 4

- Black aluminum base
- Back upholstered fabric Era black, breathable
- Perforated genuine leather (semi-aniline leather) black
- Smart-Spring: Automatic adjustment of the user's weight and movement, Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Office chair 3	Office chair 4
ELH4.0003	ELH4.0004

Conference chairs

Fig. similar

Fig. similar

Conference chair 1

- 4-legged steel frame, round tube, chrome-plated
- Seat and backrest upholstered with hard-wearing black synthetic fiber cover fabric
- Backrest with black plastic cover
- Straight back
- Stackable
- Seat (W x D): 450 x 460 mm
- Chair dimensions (W x H x D): 500 x 830 x 440 mm

Conference chair 2

- 4-legged steel frame, round tube, powder-coated, color: aluminum silver
- Rigid armrest
- Seat and backrest upholstered with hard-wearing anthracite-colored synthetic fibre upholstery fabric
- Backrest with black plastic cover
- Straight back
- Stackable
- Seat (W x D): 450 x 460 mm
- Chair dimensions (W x H x D): 590 x 830 x 440 mm

Conference chair 1	Conference chair 2
ELH4.0005	ELH4.0006

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Subject to technical and formal changes.
The catalog contains illustrations that may include optional extras.

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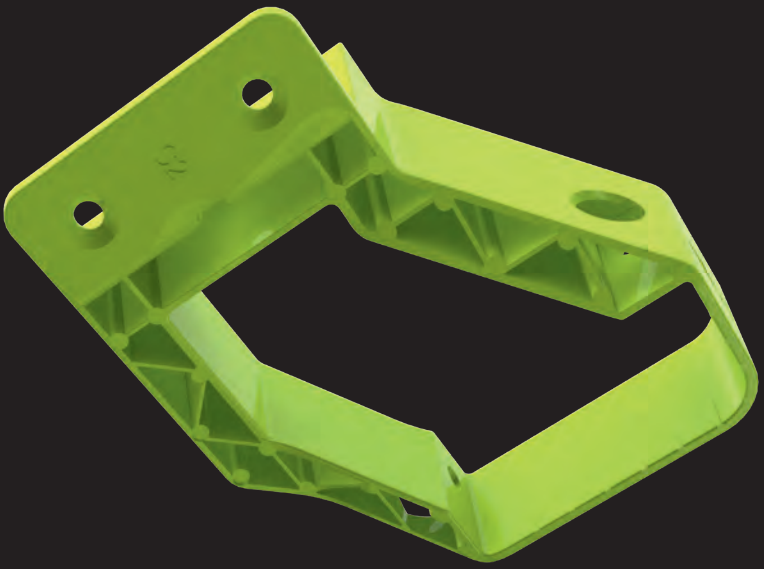

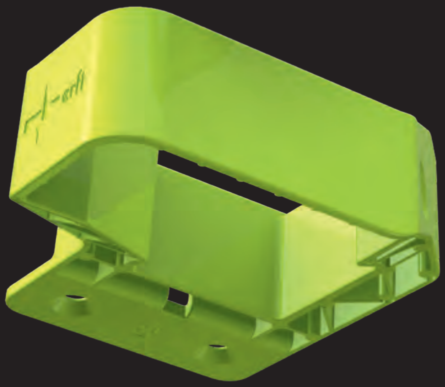

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