



TruPort:

As flexible
as your
requirements



The new standard for ceiling-mounted supply units.

Innovation is progress.

TruPort: Functional solutions for greater flexibility and ergonomics.

With the ever changing nature of healthcare requirements, and continuing focus on the most efficient clinical environments, patients and clinicians are demanding the very latest in technology. At the same time, tight budgets demand time and cost savings, and restrict hospitals' freedom to act – even though they need to be able to continue functioning in this demanding environment in the long term.

TRUMPF recognises hospitals' need for innovation and adopted this as its maxim when developing TruPort. The result: creative solutions that make it easy to sustainably remodel, convert and expand workstations in operating theatres and intensive care suites. Workstations can be adapted at any time, depending on ergonomic, economic, and safety-related issues.

The TruPort ceiling-mounted supply unit impresses with its performance and range of uses in the OR and ICU.





Quality through creative power.

TruPort is the latest fusion of years of research, innovative leadership and sector expertise:

Timelessness

TruPort architecture enables users not only to replace and convert components and accessories quickly and easily at any time, but also to do the same with the supply modules for gas, electricity and data.

Adaptability

Unlimited individuality: all four sides and the entire length of the TruPort support heads can be quickly and easily equipped with supply modules and innovative components and accessories.

Ergonomics

A colour-coded brake system, individual and flexible equipment options, and motorised lifting mechanisms simplify work and make the system intuitive and convenient.

Intelligence

FPC rail: a unique communication concept acts as the central control centre on the support head as well as being used to attach innovative accessories and supply them with power.

Performance

Large operating radii, high maximum loads, almost unlimited configuration options, and highly durable, premium-quality materials promise a broad range of applications and a secure investment.

Design

Closed, flush-fitting surfaces help meet hygiene requirements and make the system aesthetically pleasing.

A masterpiece of modularity.

A flexible solution for tailor-made workstations.

As a revolutionary ceiling-mounted supply unit, TruPort is based on a highly flexible modular system that comprises mechanical, electrical and medical gas-supplying modules, and meets its users' diverse design wishes at all times – including after installation.



The modular structure simplifies the technical description of the arrangement and selection of supply modules such as gas, electricity or data. Even after installation, these can be quickly and easily replaced by trained personnel.



Overlapping rubber discs above the FPC rail, perfectly closing shadow gaps between flush fitting modules, and recessed potential equalisation bars and screws create a sealed and thus hygienic surface.

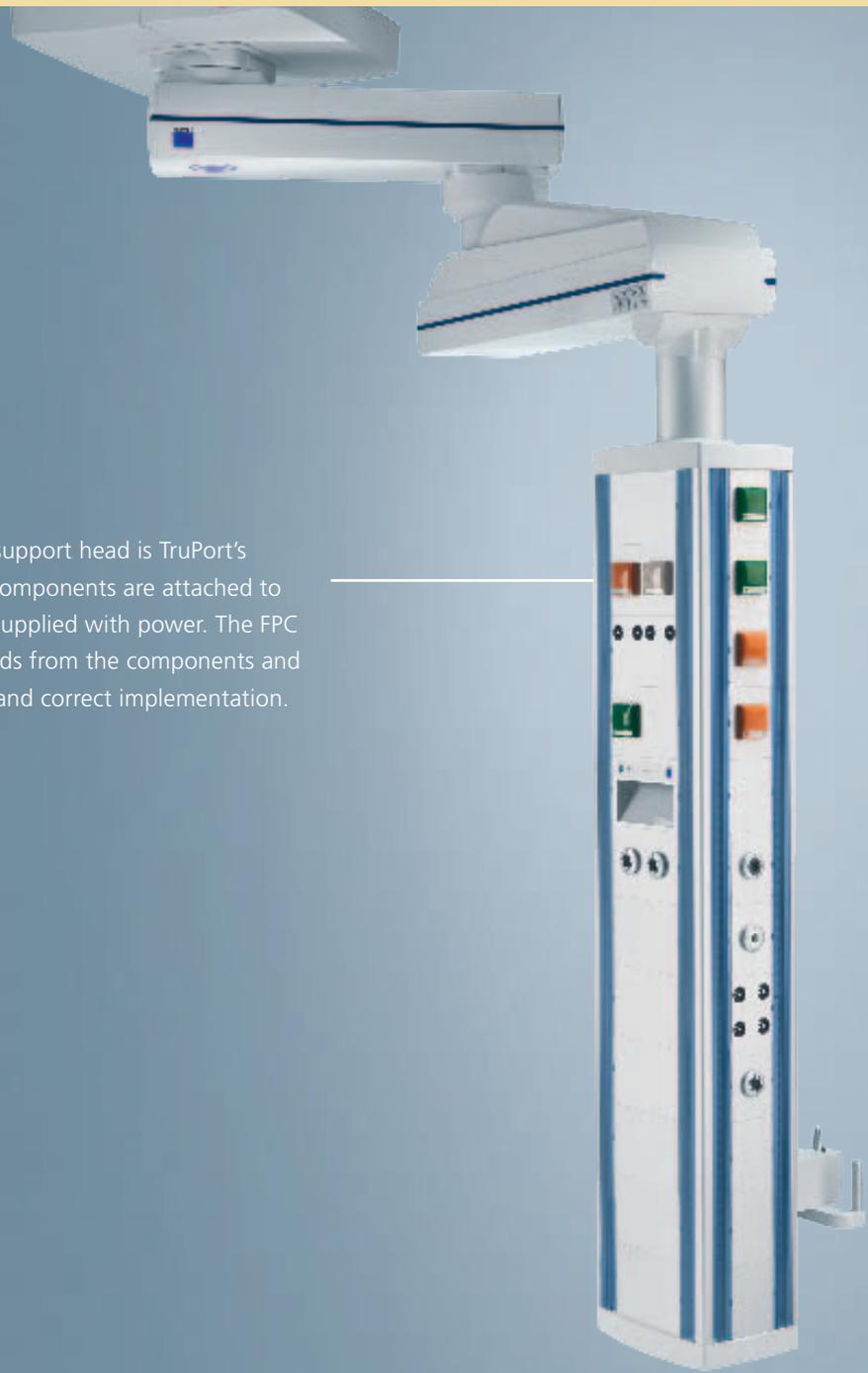




The click mechanism enables ComfortLine components to be quickly and easily attached to the FPC rail on any side of the support head without using any tools, as well as replaced or removed. Electronic components such as the remote control, platforms with operating elements, or the rotatable LED light are attached securely, immediately supplied with electricity, and ready for operation.



The FPC rail integrated into the support head is TruPort's communicative control centre. Components are attached to the rail, instantly detected, and supplied with power. The FPC rail forwards functional commands from the components and thus ensures their quick, simple and correct implementation.



Ease of use.

For TRUMPF, creating optimised working conditions means understanding users' requirements and implementing needs-oriented solutions. With TruPort, TRUMPF offers you an extraordinary combination of new technologies, intelligent designs and unique modularity that will enable you to further improve the efficiency, safety and flexibility of your processes and workstations.



The remote control simplifies anaesthetists' work.



Operating elements that can be attached at any height make the colour-coded brake system intuitive and ergonomic to use.

Beautifully practical:

Instead of being equipped with standard handles, the drawers open when pressed. With a capacity of up to four drawers per platform and different sizes of both platforms and drawers, there is plenty of storage space and room for documents. A special drawer version for holding keyboards simplifies the writing process: the front can be folded open to reveal a comfortable space for hands.



The drawers open when pushed and are easy to clean, thanks to their handle-free design.



At the touch of a button:

Operating elements on the support head and the colour-coded brake system enable personnel to ergonomically and intuitively use the ceiling-mounted supply unit, regardless of their work positions or physical heights. The remote control can be used to flexibly position and control the workstation in the room even from a distance – thus simplifying anaesthetists' work, for example.



A special drawer version for keyboards simplifies on-the-spot documentation.



Components like this platform can be attached on any side of the support head and at any height – using the click method without tools!



By activating the electro-pneumatic brake, TruPort can be moved into the desired working or parked position conveniently and easily.

Device integration:

Easy positioning: an integrated, motorised lifting system enables you to easily dock your endoscopy, anaesthesia or respiration devices on the ceiling-mounted supply unit and lift them off the floor. Your devices in the OR or ICU can therefore be conveniently moved into the desired position and securely parked, while creating optimal foot and floor clearance. Alternatively, TruPort is available with a docking equipment carrier.



A motorised lifting system on the support head makes it easier to position and operate additional devices such as the anaesthesia device.



First-class service for our customers: TruServices.

Consulting services from the start.

We provide you with comprehensive advice and help you find the best solution for your needs. Our TruTops Visual planning software helps you customise the layout of ORs and ICUs, e.g. using a virtual 3D tour.

Application training.

TRUMPF experts host workshops and training sessions in which they provide you and your personnel with valuable expertise on the use of our products in daily clinical practice.

Tailor-made services.

TRUMPF supports you with customised services: we service your products and retrofit systems with new options at your request. We also supply replacement parts 24 hours a day, 365 days a year.

Controlling finances.

TRUMPF Leasing offers you innovative financing models and enables you to procure first-rate TRUMPF products and solutions at attractive lease rates.

Benefit from TruPort:

TruPort's modular design makes it easier to access supply modules and thus speeds up individual maintenance activities – especially with regard to the support head. Instead of lengthy detachment, for example, the release tool can be used to remove the gas module in seconds, so that it can be inspected for leaks. The high-quality materials make several parts on the support arms and heads maintenance free until the fifth or even tenth operating year. Users can also conduct many maintenance and servicing activities independently.

The TruPort family.

Great performance whatever the load.

The TruPort product family offers convenient usage options. With several loading heights on the column and different ranges, the ceiling-mounted supply units can be used in all work environments to create good working positions. If not required, they can be moved into a secure parked position outside the work area. Motorised height-adjustable versions and diverse lifting mechanisms make it easier to use and position additional devices.

The **TruPort 5000** series is a range of **medium-load ceiling-mounted supply units** whereby the **TruPort 5500 and 5510 versions are height-adjustable using a motorised system.**

The **TruPort 7000** series is a range of **heavy-load ceiling-mounted supply units** whereby the **TruPort 7500 version is height-adjustable using a motorised system.**

Technical data.

	uniPORT	uniPORT HV	TruPort 5000	TruPort 5500	TruPort 5510	TruPort 7000	TruPort 7500
Max. load (column)* Single arm system	up to 105 kg (231 lbs)	70 kg (154 lbs)	up to 340 kg (750 lbs)	120 kg (265 lbs)	80 kg (176 lbs)	-	180 kg (397 lbs)
Max. load (column)* Dual arm system	up to 105 kg (231 lbs)	up to 70 kg (154 lbs)	up to 270 kg (595 lbs)	120 kg (265 lbs)	80 kg (176 lbs)	up to 340 kg (750 lbs)	180 kg (397 lbs)
Support arm reach Single arm system	up to 1,300 mm (51.2")	1,000 mm (39.4")	up to 1,300 mm (51.2")	1,000 mm (39.4")	1,000 mm (39.4")	-	1,000 mm (39.4")
Support arm reach Dual arm system	up to 2,600 mm (102.4")	up to 2,300 mm (90.6")	up to 2,600 mm	up to 2,300 mm (90.6")	up to 2,300 mm (90.6")	up to 2,600 mm	up to 2,300 mm (90.6")
Maximum height adjustment and lift speed	-	630 mm (24.8") 30 mm/s (1.2"/s)	-	700 mm (27.6") 30 mm/s (1.2"/s)	700 mm (27.6") 72 mm/s	-	700 mm (27.6") 30 mm/s (1.2"/s)
Brake system	Friction brake or pneumatic brake system		Friction brake or colour-coded electro-pneumatic brake system				
Swivel range	330° on all joints, stoppers configurable every 12°						
Color	RAL 9002, anodized aluminum						
Support head dimensions	S: 220 x 220 mm (8.7 x 8.7"), M: 310 x 220 mm (12.2 x 8.7"), L: 310 x 310 mm (12.2 x 12.2") available in seven different lengths from 250 mm (9.8") to 1,750 mm (68.9") (in 250 mm (9.9") steps)						
Ceiling attachment	Standard: Suspended ceiling clearance up to 1,500 mm (59") Special version: Suspended ceiling clearance up to 2,500 mm (98.4") Ceiling-mounted on concrete ceilings with heavy-load attachment (different design possible)						
Arm lengths (combinable)	height-adjustable 1,000 mm (39.4") non-height-adjustable 0 mm**, 600 mm, 865 mm, 1,130 mm, 1,300 mm (0" / 23.6" / 34" / 44.5" / 51.2")						

* without support head; dependent on the selected arm length or arm length combination ** simple column design



As an expedient alternative for a maximum load of up to 105 kg (231 lbs), the **uniPORT light-load pendant** offers all the benefits of a ceiling-mounted supply unit and its own range of support heads.



By simulating the natural cycle of day and night and providing customised workstation illumination options through its state-of-the-art LED technology, the **innovative and modular lighting solution AmbientLine** makes a valuable contribution to patient recovery and supports work processes in operating theatres and intensive care units.



The **mobile standardised equipment carrier IMEC** can be docked to both intensive care beds and TRUMPF ceiling-mounted supply units, thus offering greater safety and efficiency for patient transportation within the hospital.

Room for movement: TruPort ceiling pendant and support arms.

Whether single or double-armed, solo or tandem, medium or heavy load – with a broad range of designs, TruPort support arms guarantee horizontal and vertical freedom of movement for a maximum column load of up to 340 kg (750 lbs) and a reach of up to 2,600 mm (102.4") for different room and operating theatre situations.

Did you know ...?

As a configurable combination of a ceiling anchor plate and hexagonal spacers, the pre-assembly set acts as a stable yet flexible ceiling connection for bridging the concrete ceiling and the suspended ceiling that takes into account the individual properties of the premises. The TRUMPF pre-assembly set guarantees post-adjustment of ± 3 cm (1.2"). The benefit to you? Quick onsite assembly is possible even in the event of unforeseen deviations from the blueprint.

TRUMPF Medical Systems worldwide.

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The TRUMPF Group.

Even since TRUMPF's establishment as a traditional German company in 1923, quality and innovation have belonged to the basic philosophy of the entire TRUMPF Group. In its commitment to this philosophy, TRUMPF clearly tailors its innovative skills and high demands on quality to its users' requirements. In doing so, synergies continually provide key impetuses. This also applies to the development of TruPort. With the acquisition in 2001 of 'Kreuzer', the world's first ceiling pendant specialist, TRUMPF combined its own expertise with 30 years of sector experience from the former world market leader.

The result: a further milestone that confirms TRUMPF's position as the world's leading technology company for machine tools within the scope of laser and medical technology.

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