



EXPORT PRODUCT CATALOGUE

2023 Q1



MDT (est. 1999) is a reliable manufacturer and supplier of medical devices, accessories and consumables for ophthalmology and the other fields of medicine (including BioGlo™ Fluorescein Sodium Ophthalmic Strips, TearFlo™ Schirmer Test Strips, and Chin Rest Papers).

Thanks to our experience, a long-lasting international presence, sustainable development, focus on craftsmanship and excellent business partners we are able to meet the growing requirements by offering a wide range of high-quality, functional products for medical practitioners and OEM market.

Among the others we manufacture ophthalmic surgical tables, refraction units/workstations, electric tables and carts, operator's chairs, as well as devices used for diagnostics and treatment of strabismus and amblyopia, which are proudly 'made in EU' and CE marked, as well as FDA approved.

We are proud of our Authorised Service Partners and service engineers who provide the customers with an outstanding level of technical support, both at the stage of equipment installation and in case of any issues which could have occurred during a product life-time.

Should you need any further information, please do not hesitate to contact us directly, as we look forward to hearing from you!

MDT Team



ECO PLUS

refraction unit

Combines modern design with a full range of extras available, and allows for right- or left- handed setup.



PRODUCT TECH SPEC

- ECO PLUS equipped with electrically elevated COMFORT chair (swivel and reclining systems - optional)
- 2 instruments sliding table top with optional electrical height adjustment
- Auto-refractor, slit lamp DC power supply and adjusting knobs for a slit lamp illumination built-in the table top
- Simple connection of different types of slit lamps: LED / halogen
- Convenient control panel and easily accessible accessories drawer
- Aluminium post with illumination LEDs and chart projector shelf
- Wide selection of upholstery colours available without a surcharge
- Right-handed setup as a standard, left-handed available upon order only
- Steel base powder coated
- EU Declaration of Conformity provided



PA-1000



PA-3000



Control panel



Auxiliary Outlets Panel



Trial Lens Set Drawer



ECO PLUS with COMFORT chair



PREMIUM chair



Reclining system



Left-handed setup



Swivel system



CBS-1000

PRODUCT OPTIONS

- Reclining COMFORT chair 33° ($\pm 1,5^\circ$)
- Swivel COMFORT chair 85° ($\pm 3^\circ$)
- PREMIUM chair with foldable armrests and footrest, electrically elevated, reclining/swivel system built-in
- PA-1000 counterbalanced phoropter arm (equipped with a gas spring)
- PA-3000 linear phoropter arm (with upward/downward chair movement switches built-in)
- Table top electrically elevated equipped with a safety device
- Customised main body colours
- Left-handed setup available upon order only
- Data transfer ports (USB 2.0, RS-232)
- CBS-1000 Control Box Stand
- Ophthalmoscope/retinoscope rack

Dimensions	COMFORT CHAIR	PREMIUM CHAIR
Width	1 051 - 1 357mm	1 037 - 1 357mm
Depth (reclined chair, extended table top)	1 414 - 1 522mm (1 885mm)	1 373 - 1 481mm (2 246mm)
Height	1 817mm	
Chair height working range	493 - 693mm	507 - 707mm
Table top dimensions	880 x 450mm	
Table top height (fixed)	878mm	
Table top working range (height adjustable)	878 - 978mm	

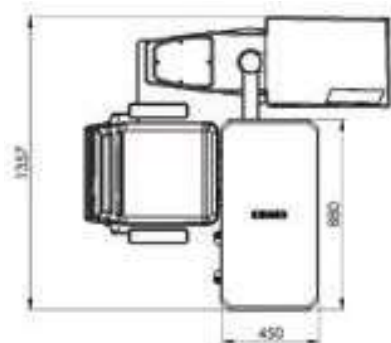
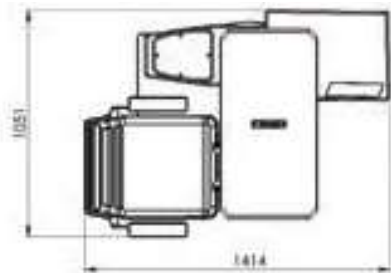
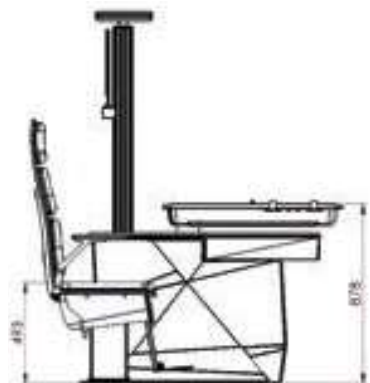
Technical specification

Supply voltage	100-240V AC, 50/60Hz
Power	280VA
LED lamp power	9W
Power supply cord	3m with UniSchuko plug
Max. table top load	50kg
Max. chair load	150kg
Max. power of devices supplied from F-type sockets	450VA
Power supply voltage at the table top sockets (SL/AUX1)	2.5 - 24V DC
Supply current of the slit lamp fixator	0-100mA (LED) or 0-250mA (bulb)
Packaging	1 pallet, 120x80x160cm, ca. 225-270kg (gross)

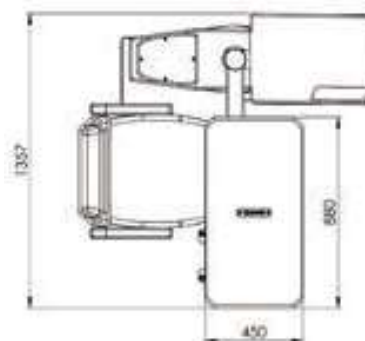
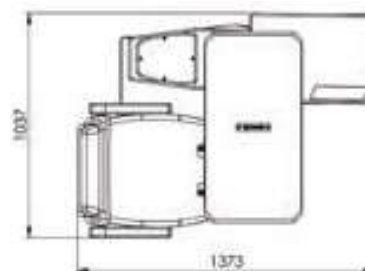
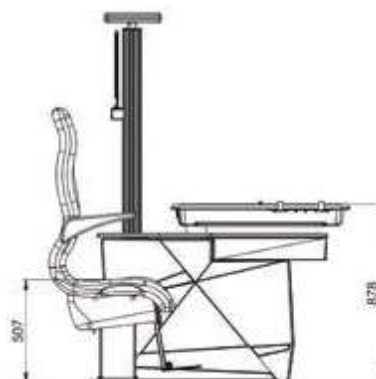
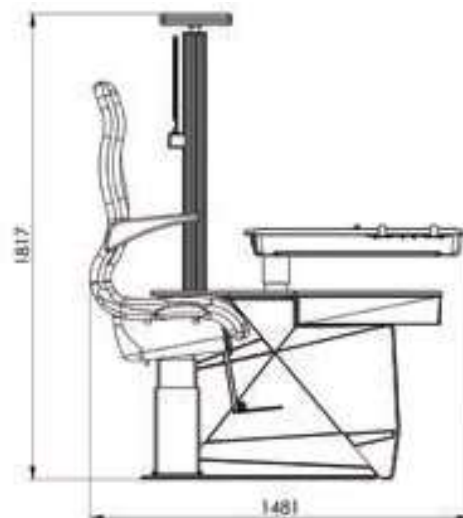
Available colours:



ECO PLUS WITH COMFORT CHAIR



ECO PLUS WITH PREMIUM CHAIR



SMART PLUS

refraction unit

Smart design combined with ergonomics and a full range of optional equipment. Offered in right-handed setup only.



PRODUCT TECH SPEC

- SMART PLUS equipped with electrically elevated COMFORT chair (swivel and reclining systems - optional)
- 2 instruments sliding table top with optional electrical height adjustment
- Auto-refractor, slit lamp DC power supply and adjusting knobs for a slit lamp illumination built-in the table top
- Simple connection of different types of slit lamps: LED / halogen
- Convenient control panel and easily accessible trial lenses tray with pivotal arm
- Diagonal aluminium post with illumination LEDs and chart projector shelf
- Wide selection of upholstery colours available without a surcharge
- Right-handed setup only
- Steel base powder coated
- EU Declaration of Conformity provided



PA-1000



SMART PLUS with COMFORT chair



PREMIUM chair



Control panel



Reclining system



COMFORT chair*



Auxiliary Outlets Panel



Trial lenses tray with pivotal arm



Swivel system



CBS-1000

*- with optional reclining and/or swivel systems

PRODUCT OPTIONS

- Reclining COMFORT chair 33° ($\pm 1,5^\circ$)
- Swivel COMFORT chair 85° ($\pm 3^\circ$)
- PREMIUM chair with foldable armrests and footrest, electrically elevated, reclining/swivel system built-in
- PA-1000 counterbalanced phoropter arm (equipped with a gas spring)
- Table top electrically elevated equipped with a safety device
- Customised main body colours
- Data transfer ports (USB 2.0, RS-232)
- CBS-1000 Control Box Stand
- Ophthalmoscope/retinoscope rack

Dimensions	COMFORT CHAIR	PREMIUM CHAIR
Width	1 122 - 1 442mm	1 107 - 1 442mm
Depth (reclined chair, extended table top)	1 531 - 1 536mm (2 289mm)	1 489 - 1 495mm (2 260mm)
Height	1 786mm	
Chair height working range	493 - 693mm	507 - 707mm
Table top dimensions	900 x 440mm	
Table top height (fixed)	878mm	
Table top working range (height adjustable)	878 - 978mm	

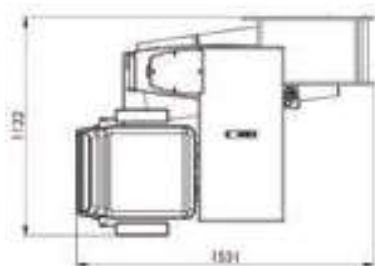
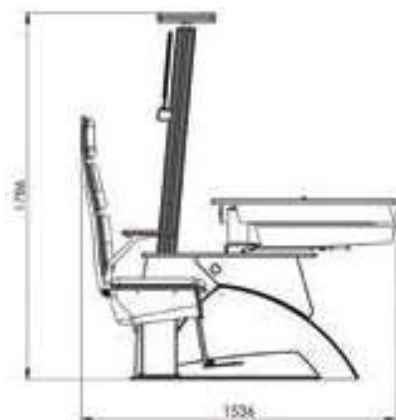
Technical specification

Supply voltage	100-240V AC, 50/60Hz
Power	280VA
LED lamp power	9W
Power supply cord	3m with UniSchuko plug
Max. table top load	50kg
Max. chair load	150kg
Max. power of devices supplied from F-type sockets	450VA
Power supply voltage at the table top sockets (SL/AUX1)	2.5 - 24V DC
Supply current of the slit lamp fixator	0-100mA (LED) or 0-250mA (bulb)
Packaging	1 pallet, 120x80x160cm, ca. 175-225kg (gross)

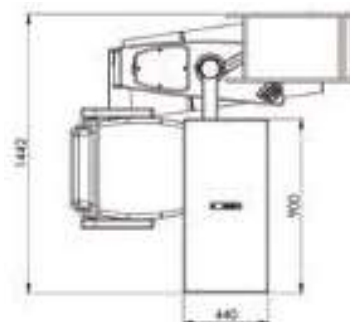
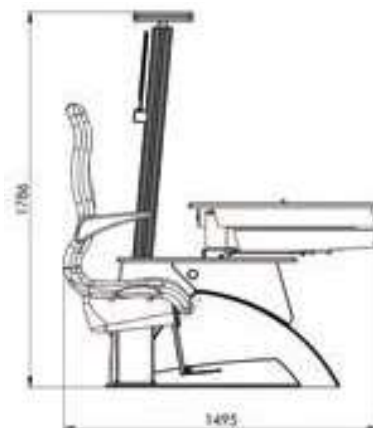
Available colours:



SMART PLUS WITH COMFORT CHAIR



SMART PLUS WITH PREMIUM CHAIR



EASY

refraction unit

Basic refraction unit which combines functionality, excellent quality with compact dimensions.



PRODUCT TECH SPEC

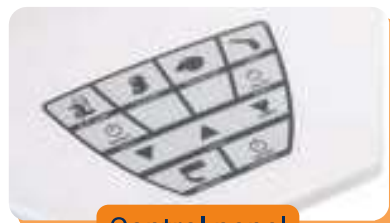
- EASY equipped with electrically elevated STANDARD chair (footrest - optional)
- 2 instruments sliding table top with a non-adjustable height
- Simple connection of different types of slit lamps: LED / halogen
- Convenient control panel
- Aluminium post with illumination LEDs and universal chart projector adapter
- Auto-refractor, slit lamp DC power supply and adjusting knobs for a slit lamp illumination built-in the table top
- Wide selection of upholstery colours available with a surcharge (SCURO - grey colour as a standard)
- Easy right- or left-handed onsite setup allowed for Authorised Service Partner only
- Steel base powder coated
- EU Declaration of Conformity provided



PA-1000



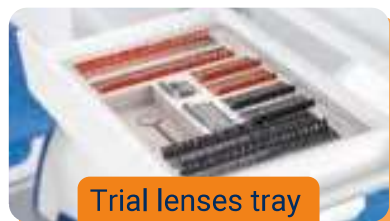
PA-3000



Control panel



Auxiliary Outlets Panel



Trial lenses tray with pivotal arm



EASY with STANDARD chair*



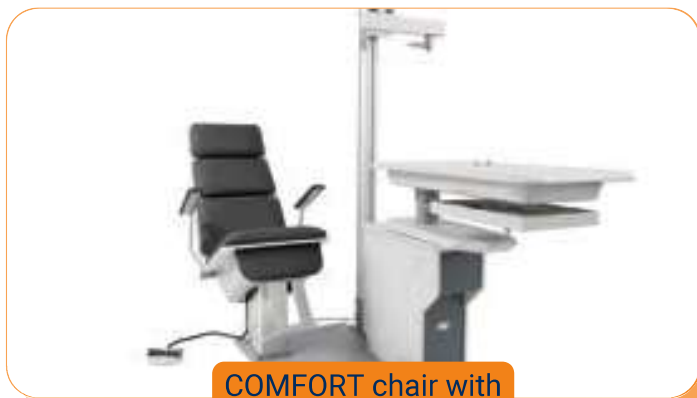
Left-handed setup



EASY with COMFORT chair**



Chart projector shelf



COMFORT chair with reclining system**



CBS-1000

*- optional footrest

**-optional trial lenses tray with pivotal arm

PRODUCT OPTIONS

- Footrest for STANDARD chair
- COMFORT chair electrically elevated with armrests, footrest, reclining & swivel systems built-in
- PA-1000 counterbalanced phoropter arm (equipped with a gas spring)
- PA-3000 linear phoropter arm (with upward/downward chair movement switches built-in)
- Wide selection of upholstery colours available with a surcharge (SCURO - grey colour as a standard)
- Trial lenses tray with pivotal arm
- Chart projector shelf
- CBS-1000 Control Box Stand
- Ophthalmoscope/retinoscope rack

Dimensions	STANDARD CHAIR	COMFORT CHAIR
Width	886 - 1 266mm	972 - 1 266mm
Depth (reclined chair, extended table top)	1 175 - 1 506mm	1 265 - 1 596mm (2 352mm)
Height	1 682mm	1 682mm
Chair height working range	427 - 627mm	493 - 693mm
Table top dimensions	870 x 440mm	
Table top height (fixed)	874mm	
Table top working range (height adjustable)	n/a	

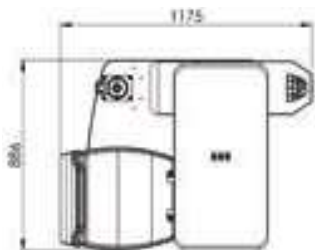
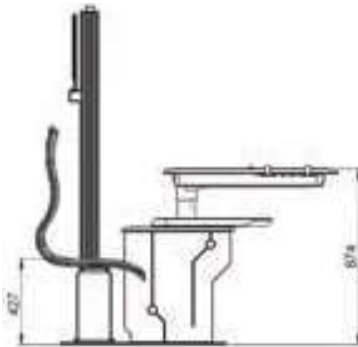
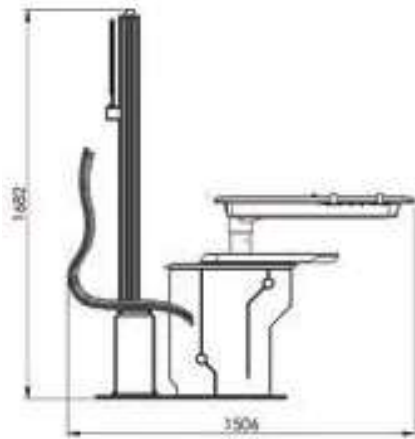
Technical specification

Supply voltage	100-240V AC, 50/60Hz
Power	280VA
LED lamp power	9W
Power supply cord	3m with UniSchuko plug
Max. table top load	50kg
Max. chair load	150kg
Max. power of devices supplied from F-type sockets	450VA
Power supply voltage at the table top sockets (SL/AUX1)	2.5 - 24V DC
Supply current of the slit lamp fixator	0-100mA (LED) or 0-250mA (bulb)
Packaging	1 pallet, 120x80x160cm, ca. 200kg (gross)

Available colours:



EASY WITH STANDARD CHAIR



EASY WITH COMFORT CHAIR

