

# Product catalogue





MDT (est. 1999) is a reliable manufacturer and supplier of medical devices, accessories and consumables (incl. BioGlo™ - Flourescein Sodium Ophthalmic Strips, TearFlo™ - Schirmer Test Strips, Chin Rest Papers) for ophthalmology and other field of medicine. Thank 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 CE & 'Made in EU' marked.

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.

For further information please contact your local distributor, as we look forward to hearing from you!

MDT TEAM



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## Refraction Unit

# Easy

Basic refraction unit which combines functionality and excellent quality



- Easy right - (as presented in the picture above) or left- handed onsite setup (allowed for ASPs only)
  - 2 instruments sliding table top with a non-adjustable height
  - Electrically elevated STANDARD chair
- Extras:**
- Electrically elevated COMFORT chair with reclining and swivel system allowing for examination of a patient with additional diagnostic devices from the side
  - PREMIUM chair with reclining and swivel system
  - Auto ref -keratometer, slit lamp DC power supply and adjusting knobs for a slit lamp illumination built-in the table top
  - Aluminium post with illumination LEDs, suitable for installation of both, chart projector and phoropter arm
  - Linear PA-3000 or counterbalanced PA-1000 phoropter arm (options)
  - Useful trial lens tray with pivotal arm (option)
  - CBS-1000 stand for autophoropter controller (option)
  - Wide selection of upholstery colours available (grey colour as a standard)
  - EU Declaration of Conformity provided

PA-1000



PA-3000



Control Panel



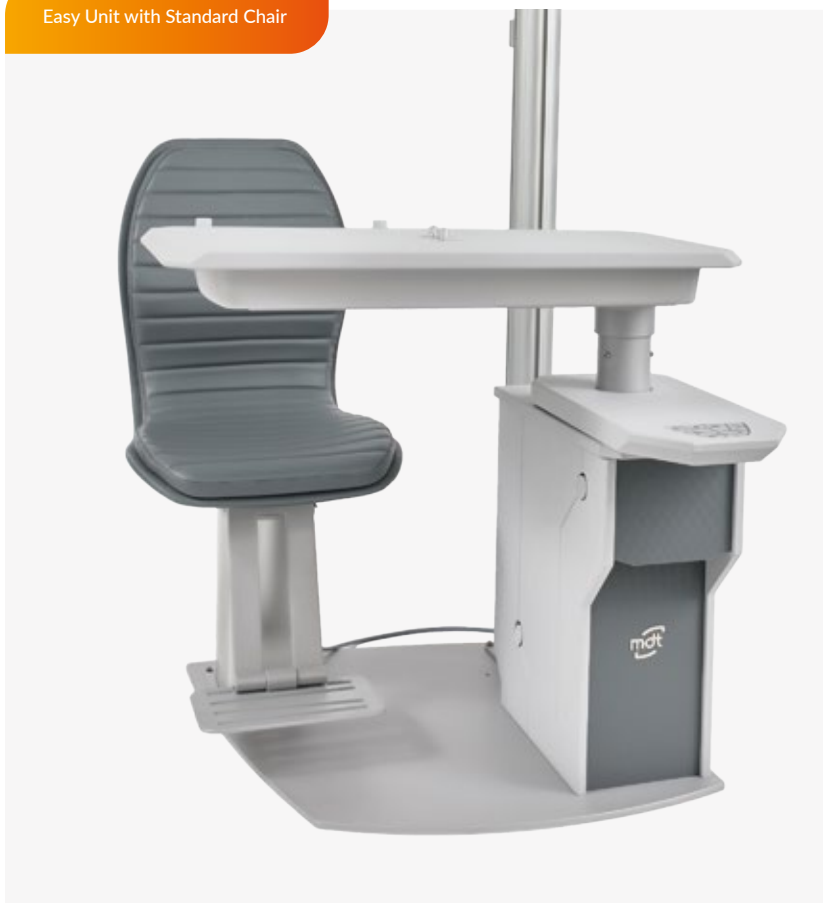
Auxiliary Outlets Panel



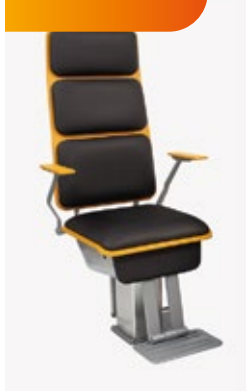
Trial Lens Set Drawer



Easy Unit with Standard Chair



Comfort Chair



Premium Chair



CBS-1000



## Dimensions\*

Width: 886 - 1 266mm

Depth: 1 506 - 1 886mm

Height: 1 682mm

Table top height: 874mm

Table top dimensions: 870 x 440mm

Chair height working range: 427 - 627mm

Chair max. load capacity: 150kg

## Technical specification\*

Input: 110/115/230V AC ( $\pm 10\%$ ), 50/60 Hz

Max. power consumption: 150 VA

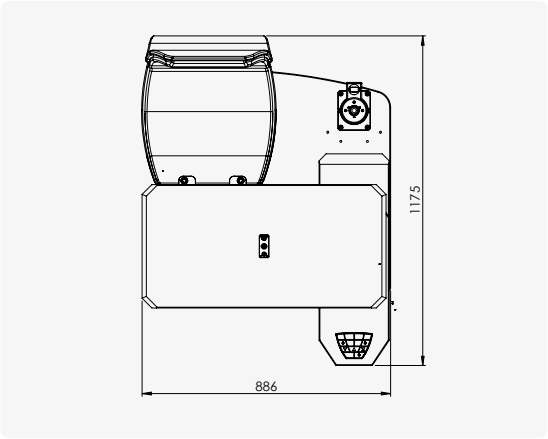
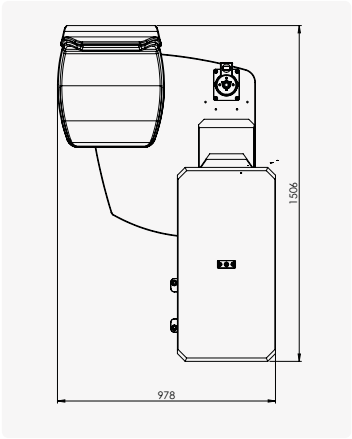
Power supply cord (3 m) with UniSchuko plug

Illuminating LEDs power: 5 W

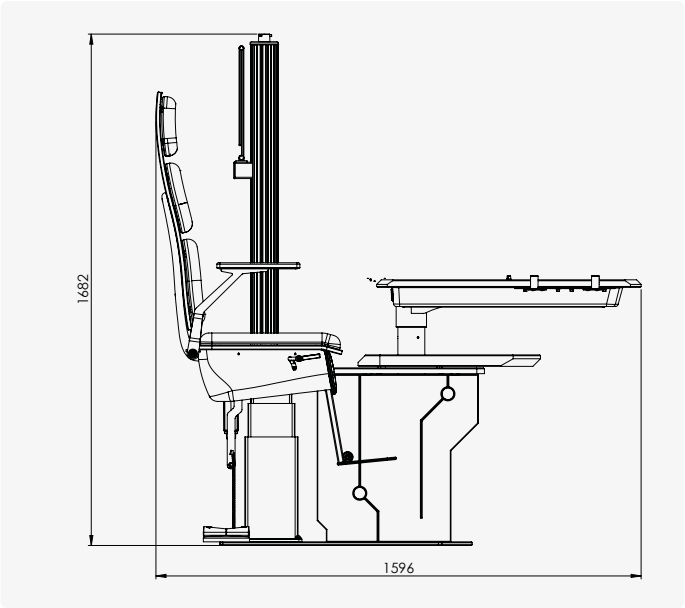
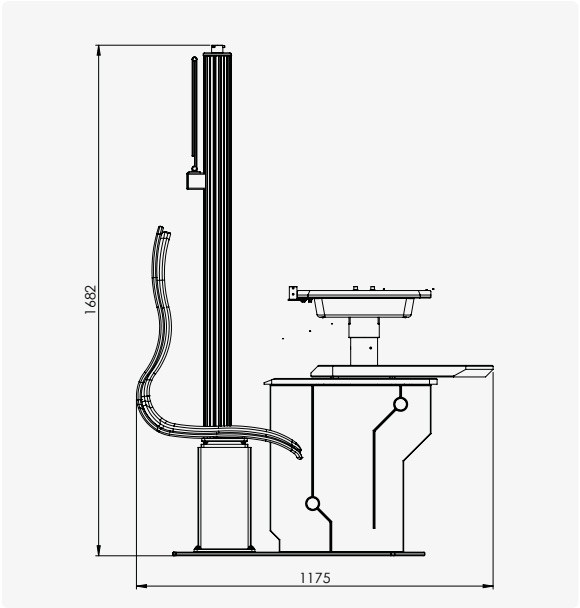
Robust steel base, powder coated

Packaging: 1 pallet, 120x80x160 cm; weight ca 195kg

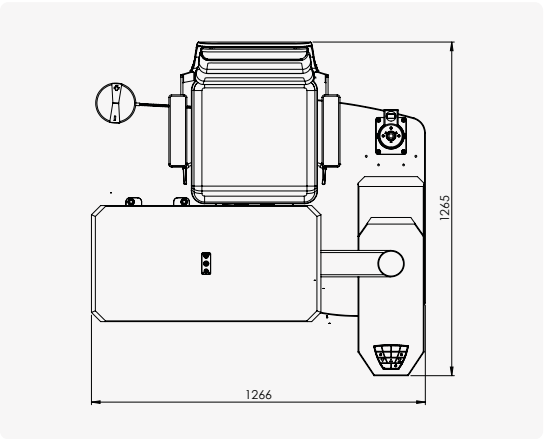
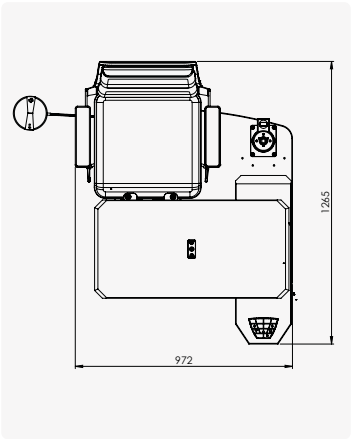
\*Presented basic parameters may vary depending on product version/configuration



Easy right-  
(as presented on the  
picture above)  
or left- handed onsite  
setup (allowed for  
ASPs only)



Aluminium post with  
illumination LEDs,  
suitable for installation  
of both, chart projector  
and phoropter arm



Refraction Unit

# Smart Plus

Smart design combined with ergonomics and a full range of optional equipment



- Offered in right-handed setup only, as presented in the pictures
- 2 instruments sliding table top with optional electrical height adjustment
- Auto ref-keratometer, slit lamp DC power supply built-in
- Electrically elevated COMFORT chair with optional reclining and swivel systems allowing for examination of a patient with additional diagnostic devices from the side
- PREMIUM chair with reclining and swivel system
- Convenient control panel and easily accessible accessories drawer
- Aluminium post with illumination LEDs, suitable for installation of both, chart projector and phoropter arm
- Counterbalanced PA-1000 phoropter arm (option)
- CBS-1000 stand for autophoropter controller (option)
- Wide selection of upholstery and main body colours available
- EU Declaration of Conformity provided



PA-1000



PA-3000



Control Panel



Auxiliary Outlets Panel



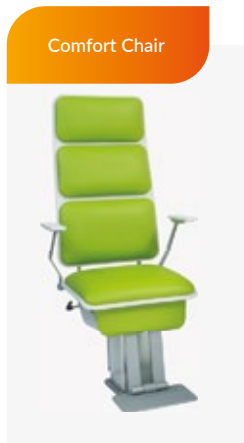
Trial Lens Set Drawer



Smart Unit with Comfort Chair



Comfort Chair



Premium Chair



CBS-1000



## Dimensions\*

Width: 1 122 - 1 442mm

Depth: 1 536mm

Height: 1 786mm

Chair height working range: 493 - 693mm

Table top height: 937mm

Table top height working range: 878 - 978mm (height adjustment version)

Table top dimensions: 900 x 440mm

Chair max. load capacity: 150kg

## Technical specification\*

Input: 110/115/230V AC ( $\pm 10\%$ ), 50/60Hz

Max. power consumption: 150 VA

Power supply cord (3 m) with UniSchuko plug

Illuminating LEDs power: 5W

Robust steel base, powder coated (RAL 9006)

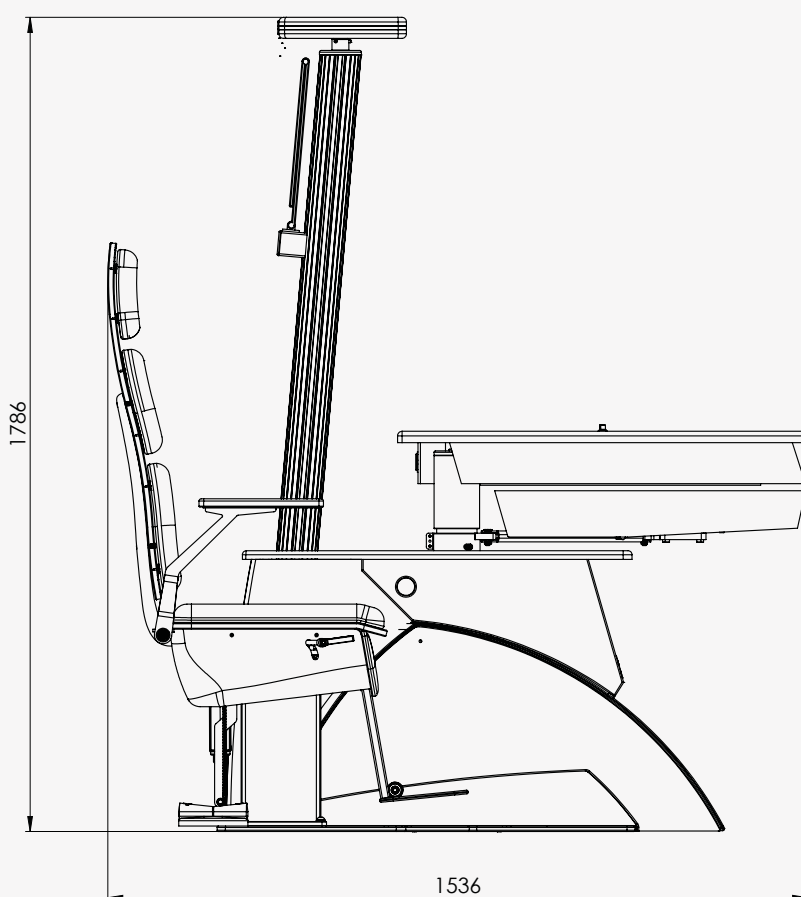
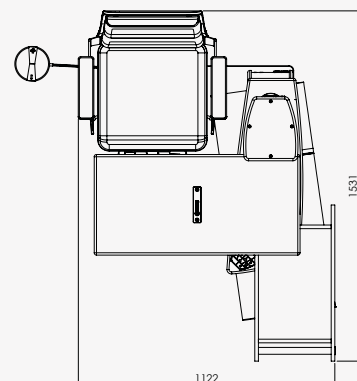
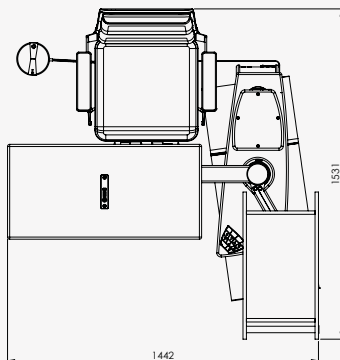
Packaging: 1 pallet, 120x80x160cm, weight ca 270kg

\*Presented basic parameters may vary depending on product version/ configuration

\*\*PA-3000 is not available for SMART PLUS refraction unit



Auto ref-keratometer,  
slit lamp DC power  
supply built-in



Wide selection of  
upholstery and main  
body colours available

AVAILABLE COLOURS:



Refraction Unit

# Eco Plus

Combines modern design with  
a full range of **extras available**



- Right-handed setup as a standard (as presented in the pictures), left-handed setup available upon order
- 2 instruments sliding table top with optional electrical height adjustment
- Auto ref-keratometer, slit lamp DC power supply built-in
- Electrically elevated COMFORT chair with optional reclining system, and swivel system allowing for examination of a patient with additional diagnostic devices from the side
- PREMIUM chair with reclining and swivel system
- Convenient control panel and easily accessible accessories drawer
- Aluminium post with illumination LEDs, suitable for installation of both, chart projector and phoropter arm
- Linear PA-3000 or counterbalanced PA-1000 phoropter arm (options)
- CBS-1000 stand for autophoropter controller (option)
- Wide selection of upholstery and main body colours available
- EU Declaration of Conformity provided

PA-1000



PA-3000



Control Panel



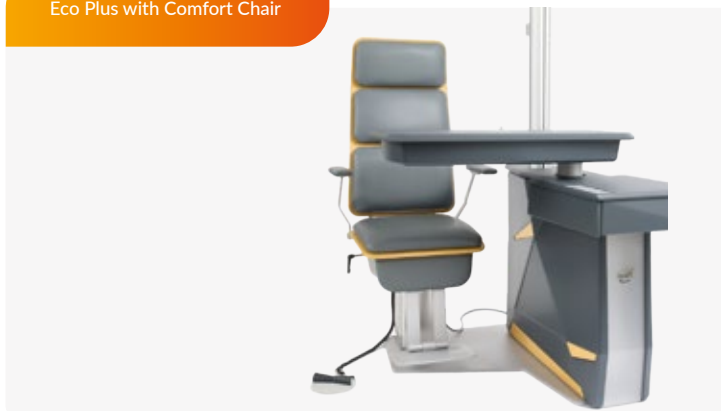
Auxiliary Outlets Panel



Trial Lens Set Drawer



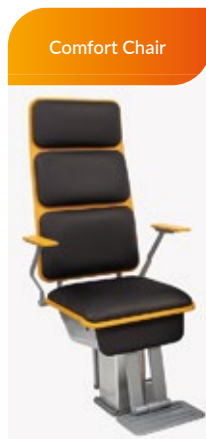
Eco Plus with Comfort Chair



Premium Chair



Comfort Chair



CBS-1000



## Dimensions\*

Width: 1 051 - 1 357mm

Depth: 1 414 - 1 912mm

Height: 1 817mm

Chair height working range: 493 - 693mm

Table top height: 937mm (version without height adjustment)

Table top height working range: 878 - 978mm (height adjustment version)

Table top dimensions: 880 x 450mm

Chair max. load capacity: 150kg

## Technical specification\*

Input: 110/115/230V AC ( $\pm 10\%$ ), 50/60Hz Max. power consumption: 150 VA

Power supply cord (3 m) with UniSchuko plug

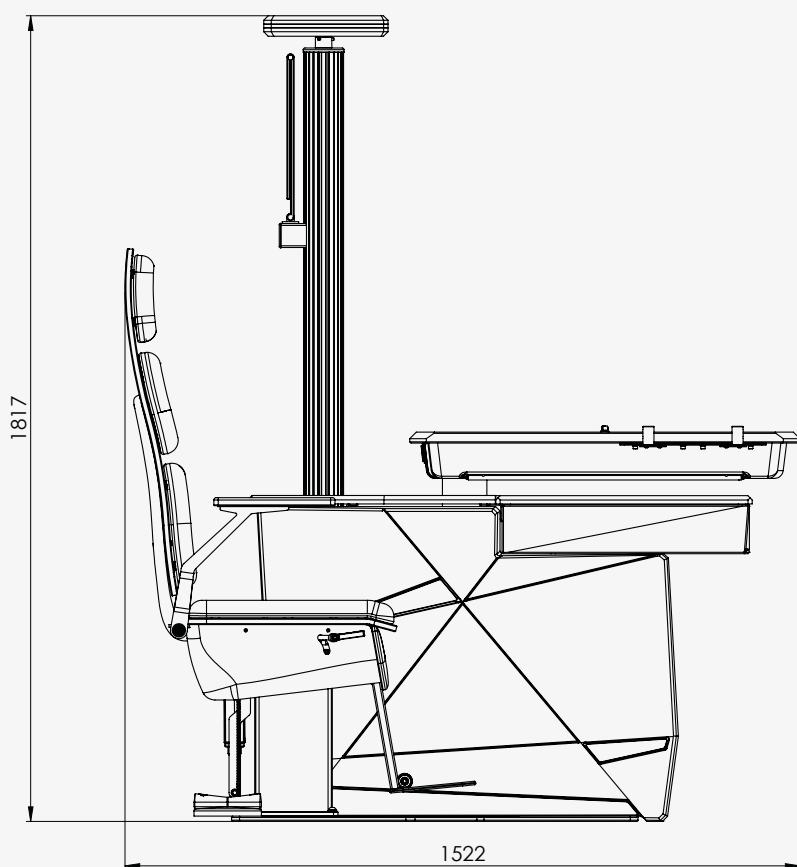
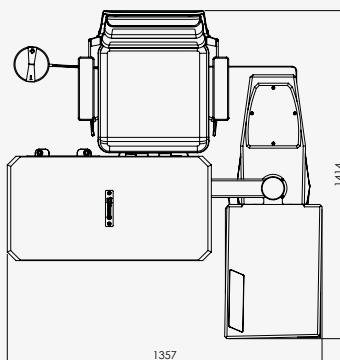
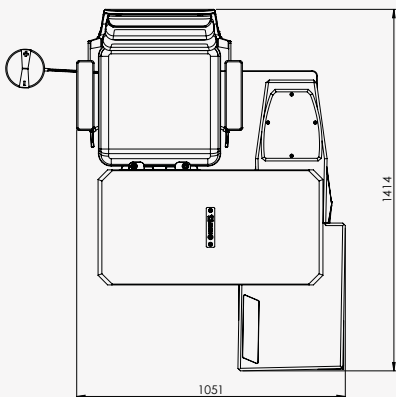
Illuminating LEDs power: 5W

Robust steel base, powder coated (RAL 9006)

Packaging: 1 pallet, 120x80x160cm, weight ca 270kg

\*Presented basic parameters may vary depending on product version/configuration

Aluminium post with illumination LEDs, suitable for installation of both, chart projector and phoropter arm



Electrically elevated COMFORT chair with optional reclining system  $33^{\circ} (\pm 3)$ , equipped with swivel system allowing to examine the patient with additional diagnostic devices from the side

**AVAILABLE COLOURS:**



VITA



NERO



SCURO



ROSA



AMORE



ESPRESSO



LATTE



BRUNA



ZUCCHINI



MELA



STELLA



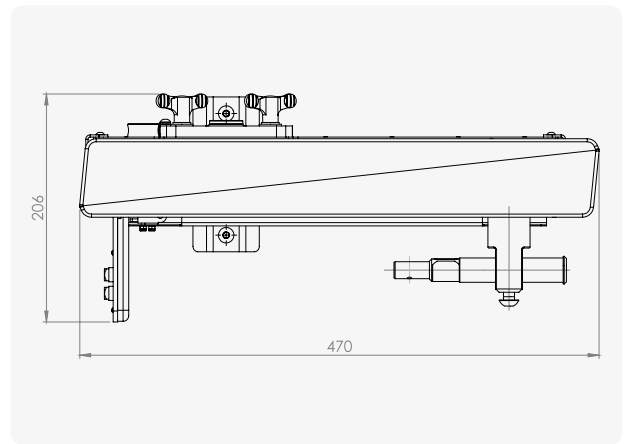
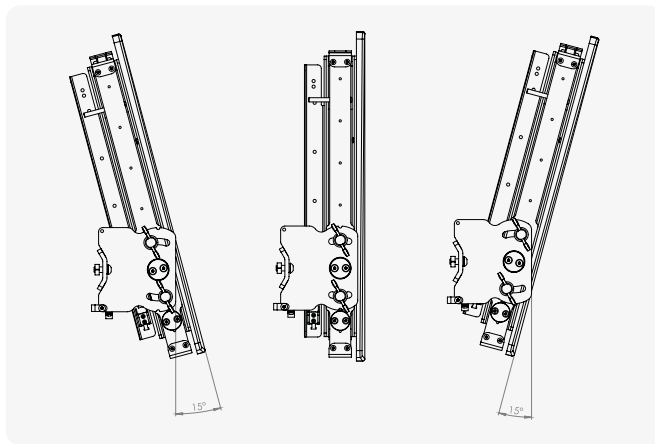
AMALFI

# Phoropter Arms

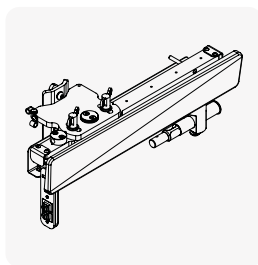
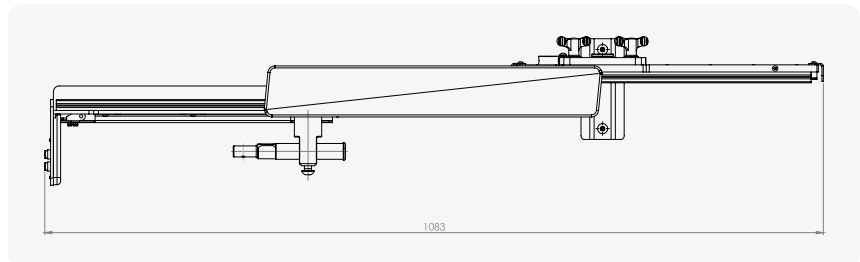
## PA-3000



- Solid structure and compact shape
- Reliable communication with autophoropter thanks to fully covered wires
- Universal fastening system gives the opportunity to install any type of phoropter
- Chair height adjustment thanks to built-in buttons
- Smooth manual sliding system
- Working angle facilitates to choose the best horizontal position for a patient's examination
- Recommended for all MDT refraction units except SMART PLUS.



Reliable communication  
with autophoropter thanks  
to fully covered wires



Universal fastening system gives the  
opportunity to install any type of  
phoropter

## Technical specification\*

Length:	min. 470mm - max. 1 083mm
Width:	130mm
Height:	206mm
Possible swivel range by means of screws:	$\pm 15^\circ$
Number of control buttons:	2
Total length of connection cable with NS39-G3 plug:	3,5m
Packaging:	1box, 53x29x18cm, weight ca 8kg

\*tolerance  $\pm 5\text{mm}$

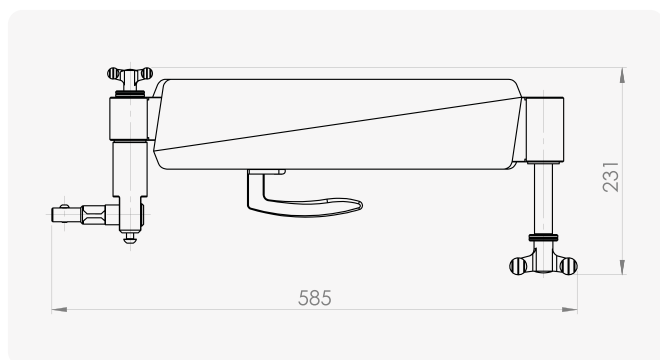
# Phoropter Arms

## PA-1000

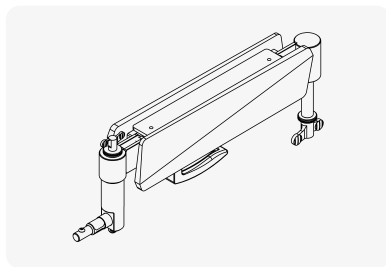
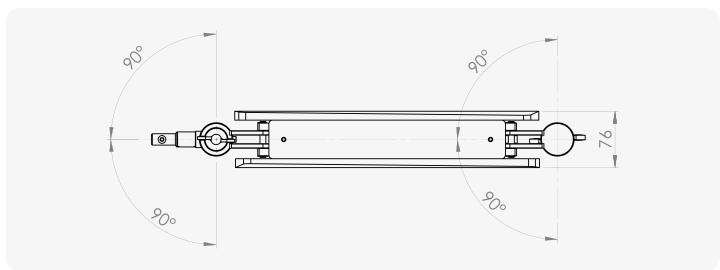
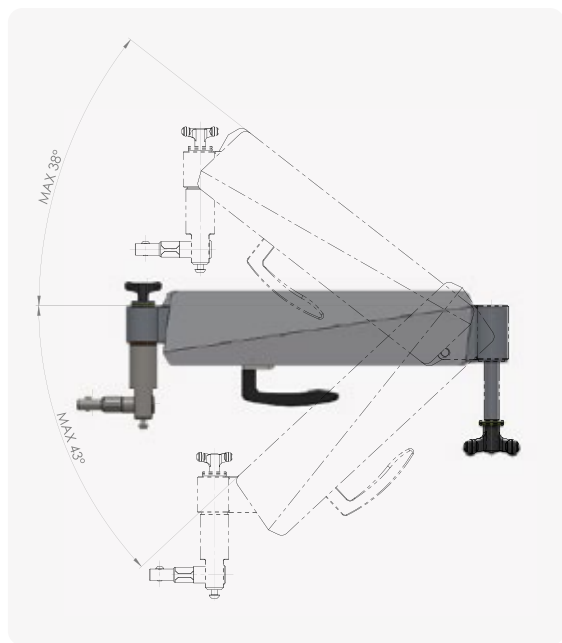


- Counterbalanced PA has been designed to provide a better comfort while examining patients of various heights
- Compatible with majority of phoropters available on the market
- Easy adjustment to the patient's eyes
- Manually operated, equipped with gas spring system
- Recommended for all MDT refraction units
- Alternatively equipped with a wall installation adapter (option)





Universal fastening system gives the opportunity to install any type of phoropter



Easy adjustment to the patient's eyes

## Technical specification\*

Length:	585mm
Width:	76mm
Height:	231mm
Max. upward movement range:	+38°; max. downward movement range: -43°
Operational swivel range:	ca 90°
Packaging	1 box, 52x24,5x10,5cm, weight 8,5 kg

\*tolerance  $\pm 5\text{mm}$

# PC-1 Comfort Patient's Chair

Detached space saving solution

PC-1 has been designed to ensure maximum comfort for both, the patients and the doctors/opticians during ophthalmic examinations. Modern and comfortable COMFORT seat has been equipped with convenient foot switch operated reclining and height adjustment systems, foldable armrests and footrest.

Solid stationary base applied provides stability and safety. Wide selection of excellent upholstery is available without a surcharge and allows for easy improvement of current design of a treatment room.



## AVAILABLE COLOURS:



## Dimensions\*

Width: 648mm

Depth: 986 – 1 236mm

Chair height working range: 502 – 702mm

Total chair height: 1 293 – 1 493

Max. reclining angle: ca 26°

Base dimensions: 860x500mm

## Technical specification\*

Input: 110/115/230V AC ( $\pm 10\%$ ), 50/60Hz

Chair max. load capacity: 150 kg

Packaging: 1 pallet, 120x80x160cm, weight ca 85kg

\*tolerance  $\pm 5$ mm

# PC-1 Ophthalmic Patient's Chair

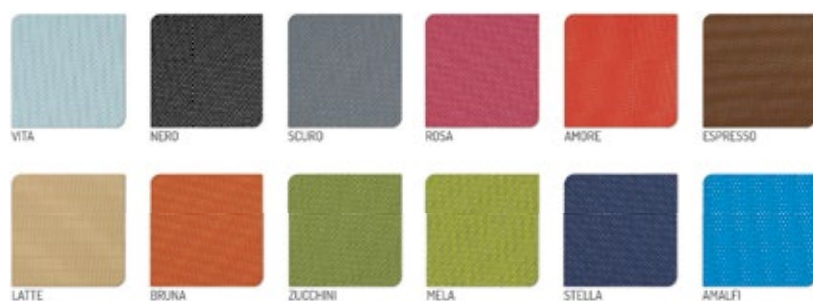
Detached space saving solution



PC-1 has been designed to ensure maximum comfort for both, the patients and the doctors/opticians during ophthalmic examinations. Comfortable PREMIUM seat has been equipped with foldable armrests and footrest, convenient foot switch to control working height.

Solid stationary base applied provides stability and safety. Wide selection of excellent upholstery available without surcharge allows for easy improvement of current design of a treatment room.

## AVAILABLE COLOURS:



## Dimensions\*

Width: 620mm

Depth: 986 - 1 208mm

Chair height working range: 508 - 708mm

Total chair height: 1 352 - 1 552mm

Max. reclining angle: ca 26°

Base dimensions: 860x500mm

## Technical specification\*

Input: 110/115/230V AC ( $\pm 10\%$ ), 50/60Hz

Chair max. load capacity: 150 kg

Packaging: 1 pallet, 120x80x160cm, weight ca 85kg

\*tolerance  $\pm 5$ mm

# SC-1 Surgical Chair

Ergonomics, functionality,  
reliability and comfort



Lightweight surgical table SC-1 has been designed with complete seat tilt and Trendelenburg position to ensure maximum comfort for the patients and the surgeons during ophthalmic surgical procedures.

SC-1 offers:

- Full range of patient's positioning (from sitting to lying) what gives unprecedented opportunity to position the patients at any age in a comfortable way
- A unique design of the patient's head rest gives the surgeon precise control over the patient's head during surgical procedures
- Detachable armrest supports and cushioning, as well as stainless steel push handles
- Ease of movement with the patient on
- Central locking gear which assures stability during the surgery
- AC/DC power supply operated
- IV pole (option)
- A selection of non-stitched upholstery available without a surcharge

## Technical specification\*

Overall width: 874mm

Overall length (flattened): 1 740mm - 1 840mm

Overall length (sitting position): 1 120mm

Overall height: 1 240 - 1 390mm

Height adjustment range: 600 - 750mm

Trendelenburg position: ca 15°

Max. load capacity: 150kg

Input: 110/115/230V AC (±10%) 50-60Hz

Power supply cord with UniSchuko plug

Battery pack: 24V, 12Ah; charging voltage: 24V ±0,5V, max current 1,2A

Working time: up to 40 hours during normal use with a fully charged battery pack

Packaging: 1 pallet, 120x80x160cm, weight ca 160kg

\*tolerance ±5mm

## AVAILABLE COLOURS:



Vanilla



Mint



Juniper



Very Berry

# OC-1 Ophthalmic Operator's Chair

Comfort and manoeuvrability

OC-1 operator's chair has been designed to ensure maximum comfort and functionality for the ophthalmic surgeons during cataract surgery and other procedures. It has been equipped with electrically elevated seat and ergonomically positioned foot switch for upward/downward movement, as well as manually adjustable: backrest, armrests. A robust base has been equipped with 3 heavyduty castors for easy movement around the operation theatre, as well as with foot operated main break, and manually operated locking system. Battery pack has been provided.



## AVAILABLE COLOURS:



Vanilla



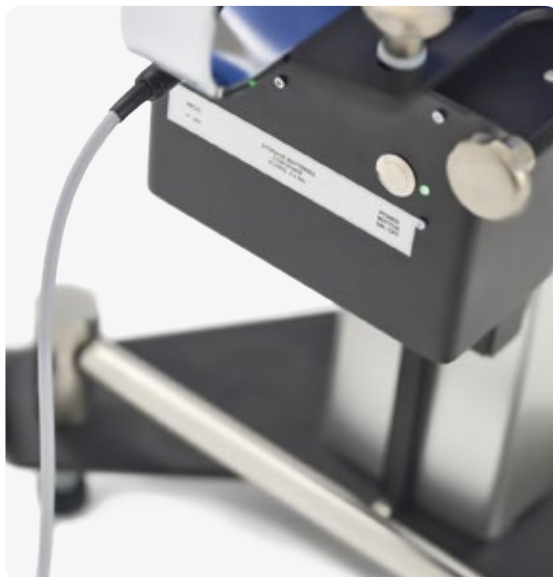
Mint



Juniper



Very Berry



## Technical specification\*

Width:	885 – 1 015mm
Depth:	740mm
Total chair height:	835 - 1 110mm
Chair height adjustment range:	550 - 750mm
Arm supports rotation range:	up to 126°
Arm supports height adjustment:	78 mm
Back rest height adjustment:	75 mm
Back rest forward/backward adjustment:	55 mm
Input:	110/115/230V AC ( $\pm 10\%$ ), 50/60Hz; power supply cord with UniSchuko plug
Battery pack:	24V, 2,2Ah, charging voltage: 24V $\pm 0,5V$ , max. current 0,22A
Working time:	up to 20 hours, during normal use with a fully charged battery pack
Packaging:	1 pallet, 120x80x150cm, weight ca 78kg

\*tolerance  $\pm 5mm$

# COMFY Post-op Recovery Chair

Ultimate comfort  
for a patient

MDT COMFY postoperative chair has been designed for the patients who have undergone One Day Surgery and who need a comfortable transport from the OR, as well as a relaxation afterwards. Modern and unique design combined with an elegant upholstery provide an outstanding level of patient's comfort in both, a sitting and reclined position. Thanks to large rear wheels in combination with small swivel front wheels COMFY enables gentle patient's transport. COMFY mobile chair is distinguished by high quality materials and careful workmanship. Health care professionals appreciate COMFY for:

- smooth back rest positioning thanks to easily operated special handle lever
- foldable armrests
- foot lockable castors



## Technical specification\*

Depth: 1 030 – 1 635mm

Width: 750mm

Height: 1 330mm

Back rest forward/backward adjustment: ca 35°

Footrest movement range: ca 50°

Seat dimensions (WxD): 640 x 440mm

Maximum load capacity: 150kg

Packaging: 1 pallet, 120x80x150cm, weight ca 87 kg

\*tolerance  $\pm 5$ mm



# MD Series

## Ophthalmic electric tables (single telescopic column)

Designed for installation of a single ophthalmic device such as: slit lamp , auto ref -keratometer, air - pufftonometer, small perimeter, etc. MD tables have been equipped with: single MDT multi -voltage electric telescopic column made of anodised aluminium, table top made of MDF (medium-density fibreboard) varnished with high quality, wear-resistant polyurethane coatings; robust steel base, powder coated, and either 4 lockable castors Ø75mm (MD-1, MD-2, MD-V) or 2 castors Ø50mm & 2 screw-in feet (COMBO-1, COMBO-2).



### MD-1

Table top dimensions\*:  
660 x 460mm

Packaging: 1 box, 76/50/26,5cm,

Weight\*\*\*: 29kg



### MD-2

Table top dimensions\*:  
860 x 430mm

Packaging: 1 box, 90x50x26,5cm

Weight\*\*\*: 32kg



### MD-V

Table top dimensions\*:  
1 040 x 420mm

Packaging: 2 boxes: 109x63x9cm,  
and 76x50x26,5cm

Weight\*\*\*: 33kg

## Technical specification\*

Table top height working range:	661 - 911mm
Vertical movement range:	250mm
Max. table top load**:	65kg
Robust steel base powder coated (RAL 7024)	
Input power:	110/115/230V AC (±10%), 50/60 Hz

Conformity standard: EN 60601-1:2006 – medical device class I, EU Declaration of Conformity provided.

Tolerance (±) \*10mm, \*\*5kg, \*\*\*1kg



## COMBO- 1

Table top dimensions\*: 660 x 460mm

Packaging: 1 box, 76x50x26,5cm

Weight\*\*\*: 35kg



## COMBO- 2

Table top dimensions\*: 860 x 460mm

Packaging: 1 box, 90x50x26,5cm

Weight\*\*\*: 40kg

## Technical specification\*

Table top height working range:	596 - 846mm
Vertical movement range:	250mm
Max table top load* *:	65kg
Input power:	110/115/230V AC ( $\pm 10\%$ ), 50/60Hz
Robust base with 2 castors and 2 screw-in foot	

Conformity standard: EN 60601-1:2006 – medical device class I, EU Declaration of Conformity provided.

Tolerance ( $\pm$ ) \* 10mm, \*\* 5kg, \*\*\* 1kg

## Below presented extras allow for customisation of MD single column tables:

Table top for YAG/YAG SLT lasers (special version with so called „wings“) table top dimensions: 1000x459mm.



Table top for one instrument and PC, table top dimensions: 900x500/430mm



Table top in colour of your choice (RAL/NCS)



### Printer shelf\*

\*please note that while adding printer shelf a standard base will be changed respectively as presented on the picture (2 castors, 2 screw-in foot)



### COMBO base - 2 castors, 2 screw-in foot\*

\*please note that while changing a standard base at MD-1 and MD-2 series for COMBO series, multivoltage column will be installed unsymmetrically and table top will be changed respectively: COMBO-1 - 660x460mm, COMBO-2 - 880x460mm.



Power cord with non-UniSchuko plug (A,B,D,G,H,I,K,L,M,N,O)



Additional device power cord C13/C14



Cable management basket



Extension lead (C13/UniSchuko)



# MD Series

## Ophthalmic electric tables (dual telescopic column)

Designed to install up to 3 ophthalmic instruments. Equipped with: 2 MDT multivoltage electric telescopic columns made of anodised aluminium, table top made of MDF (medium -density fibreboard) varnished with high quality ,wear -resistant polyurethane coatings ; 4 lockable castors Ø75mm. Optionally MD dual column tables can be equipped with customised shelves and keyboard drawer.



**MD-3**

Table top dimensions\*: 1 240 x 550mm

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Packaging: 2 boxes, 127,5x58x9cm, 56x48x30,5cm

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Weight\*\*\*: 44kg

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**MD-3V**

Table top dimensions\*: 1 485 x 430mm

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Packaging: 2 boxes, 160x66x11cm, 56x48x30,5cm,

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Weight\*\*\*: 37kg

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### Technical specification\*

Table top height working range:	608mm-908mm
Vertical movement range:	300mm
Max table top load**:	150kg
Power consumption with installed devices:	3A (230V AC), 6A (110/115V AC)
Input:	110/115/230V AC (±10%), 50/60 Hz, 2 appliance outlets IEC C14

Conformity standard: EN 60601-1:2006 – medical device class I EU Declaration of Conformity provided.

Tolerance (±) \* 10mm, \*\* 5kg, \*\*\* 1kg

# MD Series

Ophthalmic electric tables  
(dual telescopic column)

MD-3 has been designed to install compatible  
Lightmed® lasers YAG/SLT/ YAG-SLT.



## Technical specification\*

2 multivoltage electric telescopic columns	
customised elbow pad	
retinal laser adapter	
chin rest adapter	
laser power supply module adapter under the table top	
table top:	1 000 x 420mm
table top height working range:	616mm - 916mm
max. table top load* *:	90kg
power supply:	110/115/230V AC (±10%), 50/60 Hz

Conformity standard: EN 60601-1:2006 – medical device class I EU Declaration of Conformity provided.

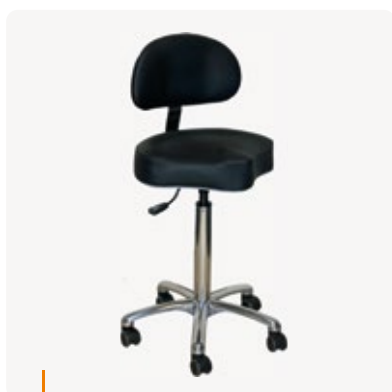
## Packaging\*

2 boxes: 103x45x9cm; 56x48x30,5cm

Total gross weight: 30 kg

# Ophthalmic Stools

A wide range of stools carefully designed for doctors, opticians and patients



**T-L Doctor's stool  
(ver. Premium)**

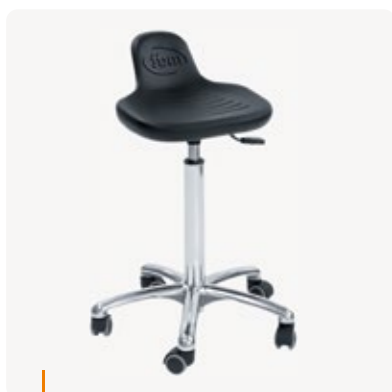
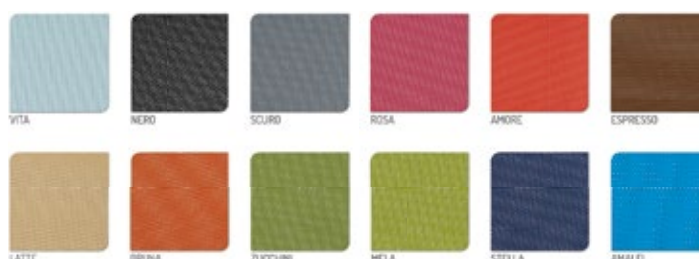
Designed to provide the doctors and the opticians performing long-lasting examinations/treatments in a sitting position with a maximum comfort. Seat with a pneumatic height adjustment and tilting backrest. Wide selection of upholstery colours available without a surcharge. Base dia. 500mm, chrome finished, equipped with castors.

2 working height versions are available\*:

- LOWER SEAT: 530 - 730 mm
- TALLER SEAT: 610 - 870 mm

Packaging: 1 box, 53x53x30cm, weight 19kg

AVAILABLE COLOURS:



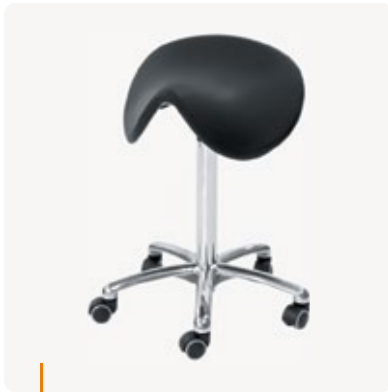
**T-L (Doctor's stool)**

T-L stools have been equipped with specially formed doctor's seat with an ergonomic half-backrest and pneumatic height control. Thanks to lightweight T-L allows for a comfortable movement among the ophthalmic devices installed at doctor's surgery. Base dia. 500mm, chrome finished, equipped with castors. Offered in black colour and with stamp-formed MDT logo only.

2 working height versions are available\*:

- LOWER SEAT: 460 - 660 mm
- TALLER SEAT: 540 - 800 mm

Packaging: 1 box, 54x46x27cm, weight 9kg



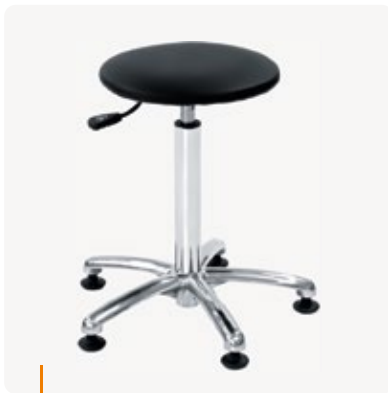
## T-S (Doctor's stool)

T-S stools have been designed in an ergonomic shape of saddle and equipped with pneumatic height as well as manual tilt control. Base dia. 500mm, chrome finished, equipped with castors, offered in black colour only.

2 working height versions are available\*:

- LOWER SEAT: 470 - 670mm
- TALLER SEAT: 550 - 810mm

Packaging: 1 box, 53x53x30cm, weight 11kg



## T-P (Patient's stool)

Round and flat seat with a pneumatic height control. Base dia. 500mm, chrome finished, equipped with 5 fixed plastic feet in order to provide the patients with safety during examinations and while seated. Wide selection of upholstery colours available without surcharge.

2 working height versions are available:

- LOWER SEAT: 440 - 640 mm
- TALLER SEAT: 520 - 780 mm

Packaging: 1 box, 54x46x27cm, weight 8kg

## Technical specification\*

Working height range:

LOWER SEAT - 200mm

TALLER SEAT - 260mm

Max stool load: 120kg

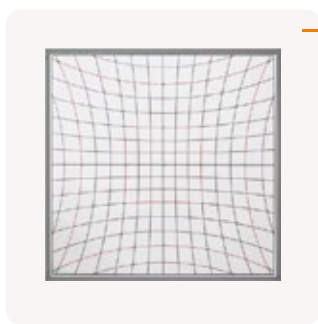
EU Declaration of Conformity provided.

### AVAILABLE COLOURS:





# Strabismus and Amblyopia Diagnostics & Treatment Devices



## EH-1 Hess Screen

Used for eye muscle coordinometry testing. The test shall be based on the detection of a false location for the action of the paralysed muscle. The test is most commonly used in paralytic strabismus and muscle paralysis and paresis. Packaging: 1 box, 90x90x7cm, weight 9,5 kg



## KM-1 Maddox Cross

Maddox tangent graduation has been used to diagnose strabismus and other eye disorders. Use of the graduation of Maddox tangents allows diagnose:

- latent strabismus with the use of the Maddox rods
- the size of the objective angle in manifest strabismus
- gamma angle
- retinal correspondence

Packaging: 1 box, 65x12x15cm, weight 2kg



## KN-1 Visual Coordinator

Used for treatment of amblyopia. Exercises with a use of the Haidinger phenomenon on the KN-1 are performed passively, i.e. the patient only observes the Haidinger phenomenon and tries to keep it in the centre of the picture. KN-1 is one of the devices used in the Cüpper method for treatment of amblyopia, but it can also be used in conjunction with other devices (combined exercise).

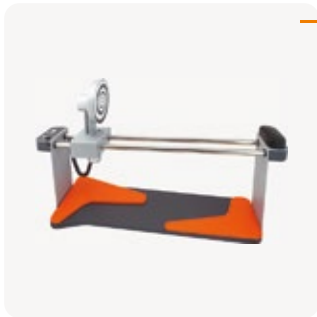
Packaging: 1 box, 46x34x30cm, weight 7,5kg



## SW-1 Cambell Stimulator

Treatment of amblyopia with SW-1 Campbell Stimulator is based on the assumption of active, controlled stimulation of the patient's eye. Rotating stripes are simple stimulating the retina in spatial and localisation terms. Studies show that the cells in the cerebral cortex responsible for seeing images respond best to moving lines of a certain width. This device is designed to activate the cells in the cerebral cortex and, at the same time, the entire visual system.

Packaging: 1 box, 46x34x25cm, weight 7kg



## AK-1 Convergence Trainer

Convergence is a symmetrical motion converging both eyeballs. A deficiency of convergence occurs not only in cases of exophoria and divergent strabismus, but also sometimes in convergent strabismus, especially alternating strabismus. Convergence exercises are carried out before and after the surgical procedure. Before surgery, exercises are used to enhance convergence (which may also be weak in convergent strabismus) to prevent secondary deficiency after surgery. Sometimes convergence exercises are used as a supplement to orthoptic exercises, in cases which do not require surgery, e.g. in convergence deficiency, severe exophoria, intermittent divergent strabismus.

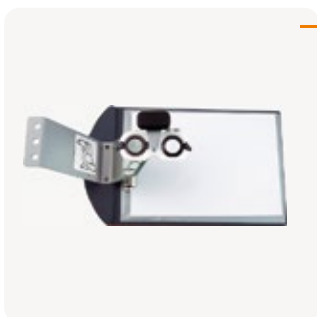
Packaging: 1 box, 77x25x40cm, weight 8,5kg



## LA-1 Acoustic Locator

Used for improvement of the function of binocular vision. Exercises on the acoustic locator can be performed even by small children aged 3-4 years. The exercise should last about 5-10 minutes depending on the child's attention and concentration. Exercises on the acoustic locator are especially recommended in case of central fixation and unstable central fixation in amblyopia. The exercises are used in the Cüppers method and in other combined methods of treating visual impairment.

Packaging: 1 box, 36x34x19cm, weight 5,5kg

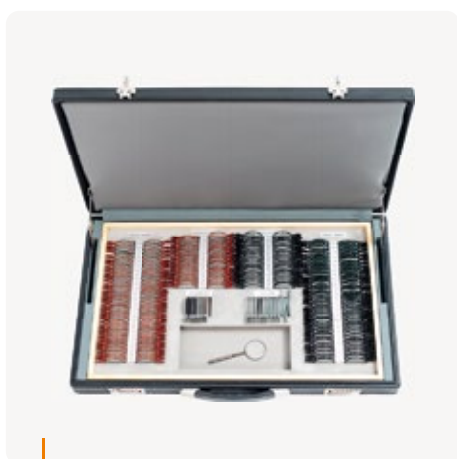


## CH-1 Cheiroscope

Used to practice the function of binocular vision. At CH-1 each eye sees a different image. A patient leans the forehead and looks thru convex lenses. One eye looks at the oblique mirror, and the other at a sheet of paper placed on the base of the device. Convex lenses create the conditions for looking in the distance, because the pictures are lying in the focus of the lens. The device is suitable for left- and right-handed children. Exercises with CH-1 Cheiroscope stimulate binocular vision, and where incomplete binocular vision occurs, they fix it and allow for a better range of depth vision.

Packaging: 1 box, 48x33x29cm, weight 5kg

# Ophthalmic Trial Lens Sets



**BR-260 Trial Lens Set**

## A range of spherical lenses:

39 pairs for concave (-) and 39 pairs for convex (+) lenses in the following ranges:

- 0.25D to 6.00D in 0.25D steps;
- 6.50D to 10.00D in 0.50D steps
- 11.00D to 14.00D in 1.00D steps;
- 16.00D to 20.00D in 2.00D steps

## A range of cylindrical lenses:

20 pairs for concave (-) and 20 pairs for convex (+) lenses in the following ranges:

- 0.25D to 4.00D in 0.25D steps;
- 4.50D to 6.00D in 0.50D steps

## A range of prismatic lenses:

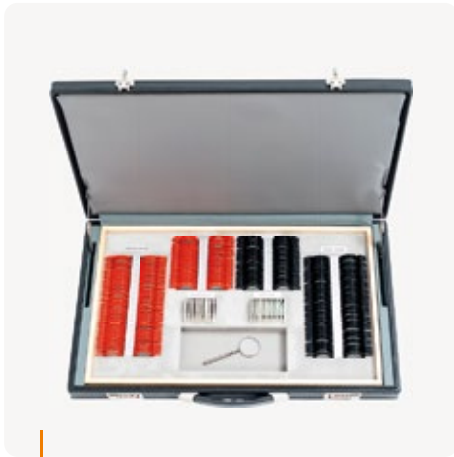
- 14 lenses  $\Delta$ : 0.5(x2), 1.0(x2), 2.0(x2), 3.0(x2), 4.0(x2), 5.0, 6.0, 8.0, 8.0, 10.0

## 10 accessory lenses:

- |                     |                    |
|---------------------|--------------------|
| • BL Occluder       | • MR Maddox        |
| • PL Plano Lens     | • CL Crossed Line  |
| • PH Pinhole (0,5)  | • GF Green Filter, |
| • PH Pinhole (1,0)  | • RF Red Filter    |
| • SS Stenopeic Slit |                    |

All the lenses are made of mineral glass  $\varnothing 36\text{mm}$ , fitted in copper alloy rims  $\varnothing 38\text{mm}$  not obstructing the field of vision, cylinders clearly marked in colour and with a lens grind. Additionally, the axis of the cylinder is aligned with the axis of the lens holder, which facilitates work in a dark room. The whole sets have been placed in a leather-like portable carry case.

Packaging: 1 box, 59x39x8cm, weight 6kg



## PL-232 Trial Lens Set

### A range of spherical lenses:

34 pairs for concave (-) and 34 pairs of convex (+) lenses in the following ranges:

- 0.12D;
- 0.25D to 4.00D in 0.25D steps;  
4.50D to 7.00D in 0.50D steps  
8.00D to 16.00D in 1.00D steps;  
18.00D, 20.00D

### A range of cylindrical lenses:

19 pairs for concave (-) and 19 pairs for convex (+) lenses in the following ranges:

- 0.12D;
- 0.25D to 3.50D in 0.25D steps;
- 4.00D to 5.00D in 0.50D; 6.00D

### A range of 10 prismatic lenses:

- 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0

### 10 accessory lenses:

- BL Occluder, PH Pinhole (0.5), PH Pinhole (1.0)
- SS Stenopeic Slit, MR Maddox, FL Frosted Lens, PL Plano Lens •
- GF Green Filter, RF Red Filter, CC Cross Cylinder

All the lenses are made of mineral glass Ø25mm, fitted in ABS rims Ø38mm, cylinders clearly marked on the rims. The whole set has been placed in a leather-like portable carry case.

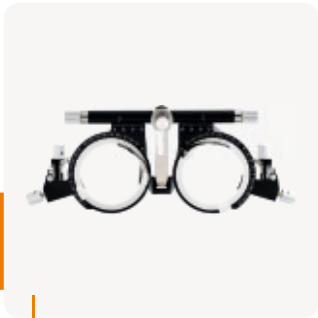
Packaging: 1 box, 59x39x8cm, weight 5kg

## BR-260

## PL-232

<b>Concave (-) Sphere</b>	78	68
<b>Convex (+) Sphere</b>	78	68
<b>Concave (-) Cylinder</b>	40	38
<b>Convex (+) Cylinder</b>	40	38
<b>Prisms</b>	14	10
<b>Accessories</b>	10	10
<b>Gross weight</b>	6 kg	5 kg

# Ophthalmic Trial Frames



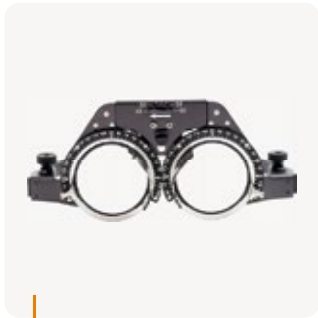
**TF-2 Ophthalmic trial frame**

Light-weight trial frame designed to be used with both, adults and children (two different size nose rests included), assures full adjustment against nose and ears position.



**TF-4 Ophthalmic trial frame**

Solid trial frame designed to be used with adults, assures full adjustment against nose and ears position.

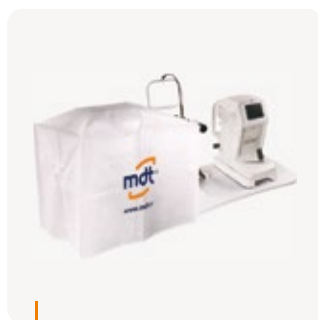


**TF-2 Ophthalmic trial frame (Pediatric)**

Trial frame with special adjustable nose pads perfect for examination of children. It's characterised by high durability & excellent quality.

	TF-2	TF-4	TF-2 (Pediatric)
Weight (+/- 5g):	63g	79g	48g
PD adjustment range (pupil spacing):	50-80mm	48-80mm	48-60mm
Step of the axis scale °	5	5	5
Range of lens rotation °	0-180	0-180	0-180
Temple tips angle adjustment range °	+/- 10	+/- 10	+/- 15
Vertex Distance adjustment range:	0-13mm	0-10mm	n/a
Nose pad adjustment range:	0-23mm	0-12mm	0-4mm
Max. quantity of trial lenses:	5	4	4

# Universal Dust Covers



## UC-1

Universal dust-protection cover, made of high-quality fabrics. Dedicated for 2 ophthalmic instruments

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Dimensions: W750 x H550 x D450mm

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Customer's logo as an option with a surcharge

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## UC-2

Universal dust-protection cover, made of high-quality fabric. Dedicated for 1 ophthalmic instrument (e.g. Haag-Streit type slit lamps and the others)

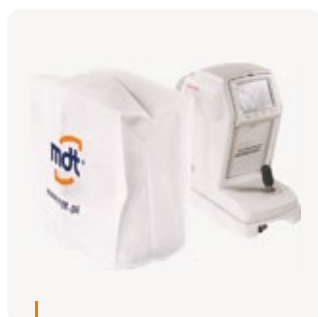
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Dimensions: W400 x H700 x D300mm

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Customer's logo as an option with a surcharge

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## UC-3

Universal dust-protection cover, made of high-quality fabric. Dedicated for 1 ophthalmic instrument (e.g. Zeiss type slit lamps, auto ref-keratometers/topographers, puff-tonometers, etc.)

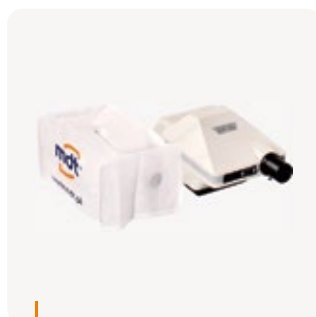
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Dimensions: W450 x H450 x D270mm

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Customer's logo as an option with a surcharge

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## UC-4

Universal dust-protection cover, made of high-quality fabric. Dedicated for chart projectors, A-scans, pachymeters, etc.)

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Dimensions: W270 x H200 x D400mm

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Customer's logo as an option with a surcharge

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\* Dimensions: W – width, H – height, D – depth

# Consumables



## CRP-90 CHIN REST PAPERS

- 1 000 pcs. of rectangular, disposable papers for use with various ophthalmic devices with 90mm pin distance e.g.: Topcon, Nidek, Oculus, Canon, Tomey, Rodenstock, Shin Nippon, Takagi, C SO, Haag-Streit, Reichert, Zeiss
- convenient and recyclable packaging
- provide comfort and cleanliness for both, the patients and the doctors/opticians
- manufactured in the EU with high quality raw material



# Ophthalmic Diagnostic Strips

BioGlo™ Fluorescein sodium  
ophthalmic strips USP



BioGlo™ is the best-known brand in the diagnostics of ocular surface. It has been well accepted and recognised as the leading diagnostic aid on the ophthalmic market. BioGlo™ strips are being used to diagnose tear film disorders. Fluorescein stains corneal epithelial defects and penetrate through these defects into the intercellular space, thus showing the dead epithelial cells and exposed basement membrane of the cornea.

Fluorescein test strips are being used to examine patient's cornea and conjunctiva using a slit lamp with a blue filter on. Furthermore, fluorescein is widely used in measuring intraocular pressure using applanation tonometry to evaluate hard contact lens fitting, and to evaluate break-up time (B.U.T.).

## Parameter measured:

- Number of punctate dye spots corresponding to defects in the surface of the cornea

## Method of a performance:

- Cobalt filter is switched on in the slit lamp
- One strip that has been pre-wetted with physiological saline solution is being placed in the lower fornix of the conjunctival sac for a short time
- The patient is asked to blink the eyes several times to spread fluorescein
- Intensively stained fluorescein spots in the palpebral fissure are being counted

## Results interpretation:

- 0 spots showing uniform distribution of fluorescein - normal result
- >10 spots or diffuse fluorescein staining through the epithelial defects - pathological result

## Available packages:

- 100 pcs. or 300 pcs. sterile, single use, individually wrapped strips

# Ophthalmic Diagnostic Strips

TearFlo™ Sterile tear flow test strips (Schirmer test)



TearFlo™ is being used to evaluate tear secretion - Schirmer test. More than 15 mm wetting of a graduated strip folded at a given notch over a 5-minute period of examination with eyes closed has been considered as a normal tear secretion. Wetting values less than 10 mm are being considered as hyposecretion. Schirmer test is the oldest method available for Dry Eye Disease diagnosis.

## Method of a performance:

- A test to be performed in a room with a dimmed light, without a draught and without pressure sources in the field of vision. Patient is advised to look straight ahead or slightly upward and not to force himself /herself to blink the eyes. Tearfluid should be removed from the lower fornix using a gauze swab before paper strips are placed. Strip should be bent at the notch on the marked end using forceps and inserted in the lower part of the conjunctival sac at 1/3 of length of the lid margin on the outer side. Strip should be removed from the conjunctival sac after 5 minutes and the amount of wetting of the filter paper section will be measured in millimetres from the place of bending.

## Results interpretation:

- >15 mm - normal result
- 10 - 15 mm - indicates an initial deficit
- 5-10 mm - advanced tear deficit
- <5 mm - severe tear deficit (advanced DES/DED)

## Results interpretation:

- 100 pcs. sterile, single use, individually wrapped strips

# General terms and conditions:

- distributors' purchase prices for export and intra-EU supplies (VAT 0%) are available upon request, quoted in EUR currency on EXW 30383 Krakow, Poland (EU) and 100% prepayment conditions
- the colours of table tops for MD series ophthalmic tables can be chosen according to RAL/NCS palette
- thanks to new rigid, compact cardboard boxes MDT offers competitive cost of delivery within the EU
- dropshipping is available: direct shipping from MDT plant in Poland to your customer within the EU
- apart from the above presented devices MDT offers contract manufacturing and customised design

If you need any additional information please let us know, we will be delighted to provide you with further details.



Rev. MDTEXPCAT2021006EN

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