

IS-600 III

Refraction unit

Refraction unit without compromise



Refraction unit without compromise

The Topcon IS-600 III has been developed as a refraction unit without compromise. The unit is a comfortable and stable workstation to accommodate two instruments and can be adapted to fit various kinds of examination rooms. The IS-600 III can be fitted with several optional accessories such as: four different types of phoropter arms, chair footrest, extra drawers, tabletop, electro brake and a LED reading light. The intuitive touch screen control panel allows the user to control the height of the tabletop, the elevation of the chair and all lights and power to the different instruments.

Colour Schemes

The unit is available in either a single-colour finish in Tele Grey (RAL 7047) or a two-tone combination of Pure White (RAL 9010) and Slate Grey (RAL 7015).

Both colour options offer the same functionality and specifications, allowing you to select the appearance that best suits your practice environment.

SINGLE-COLOUR

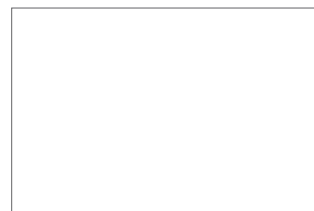


RAL 7047 - Telegrey 4

TWO-TONE COMBINATION



RAL 7015 - Slate Grey



RAL 9010

IS-600 III configurations

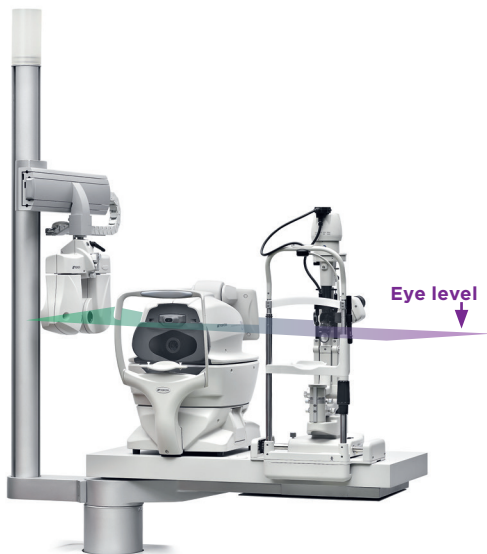
The IS-600 III comes in a wide variety of configurations. For both the IS-600 III basic and IS-600 III wheelchair version there is a right and left option available. All IS-600 III configurations are equipped with a powered elevating tabletop for easy adjustments of the instrument heights for both patient and practitioner. Another option is a set of two drawers which can incorporate a power supply for the Topcon CV-5000 phoropter.



IS-600 III right version with reclinable OC-9 chair



IS-600 III right wheelchair version



- All instruments same eye-level
- No phoropter adjustment time
- No phoropter interference with other instruments

Elevated column configuration

The IS-600 III is also available with the column fixed to the instrument tabletop. When moving the tabletop up or down, the column with the phoropter will move accordingly, keeping the phoropter at the same eye-level as the tabletop instruments.

Having all instruments in the same “plane” reduces adjustment time of the phoropter and/or instruments and assures a quick workflow. The simultaneous rotation of the column with the tabletop, in combination with the linear phoropter arm prevents the phoropter colliding with the tabletop instruments.

IS-600 III standard accessories



Main Control Panel

The large 7-inch control panel offers efficient operation throughout the working day. The touch screen provides a clear overview of all available functions:

- Adjust chair height
- Control tabletop height
- Reading light
- Dimming of room illumination
- Chart projector
- Control three Auxiliary instruments



Additional Control Panel

A standard secondary control panel is integrated into the tabletop, providing convenient access to the most frequently used functions, including chair positioning and tabletop movement.

This enhances workflow efficiency, improves ergonomics, and enables faster operation during examinations.



Room illumination

The dimmable up-lighter illuminates the room indirectly and can be dimmed.

IS-600 III optional accessories



Power supply drawer

The optional drawer unit fits seamlessly to the basic unit and provides two drawers with storage space for handheld equipment and documents. The top drawer panel can be exchanged to allow installation of the Topcon CV-5000 power supply. The drawer unit is available in Slate Grey (RAL 7015), or in Tele Grey (7047)



LED near vision lamp

The adjustable LED reading lamp provides crisp white illumination which supports reading examinations.



Satellite Support

The Satellite Support is designed to accommodate the phoropter control unit. By positioning the control unit within easy reach, it enhances operator comfort, and offers more flexibility during examinations. The Satellite Support comes in either Tele Grey (RAL 7047) or Slate Grey (RAL 7015).



Projector support

The dedicated IS-600 III projector support allows mounting of Topcon chart projectors.



Electronic brake for tabletop

The IS-600 III can be equipped with the optional electro-brake. With the use of a foot switch, the tabletop rotation can be locked in any position of your choice.

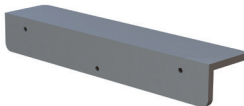
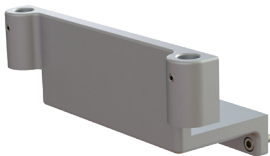


Table extension strip

To be used with larger equipment to extend the depth of the tabletop on one instrument position.



Sliding chinrest support

To be used when using a single chinrest for two instruments.



PS-100 Power supply

The Slit Lamp generic power supply (PS-100) can be used to power Slit Lamps that have no dedicated power supply of their own. This generic power supply can be mounted under the tabletop and provides easy access to the Slit Lamp illumination control.

IS-600 III optional phoropter arm



VT-670 phoropter arm

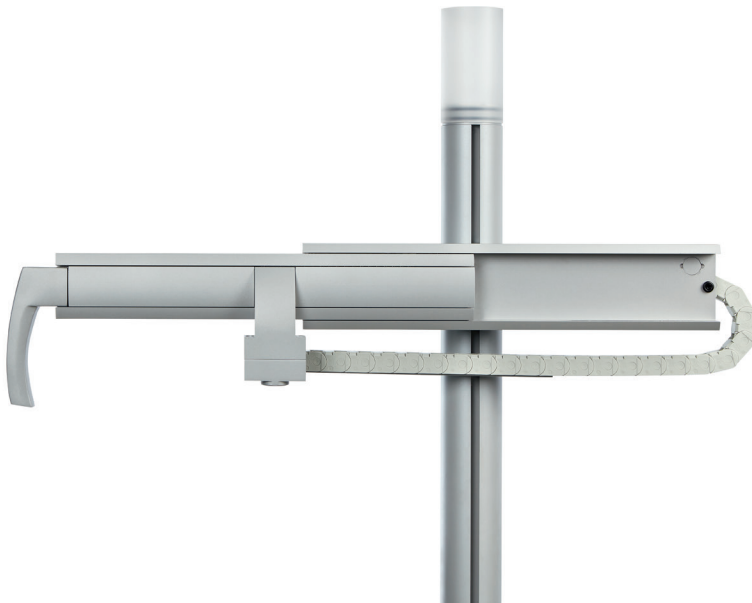
The VT-670 phoropter arm enables mounting of most available phoropter heads. The mechanical lock ensures fixed positioning of the phoropter in front of the patient.



VT-671 phoropter arm

The VT-671 phoropter arm is provided with a handle for easy manoeuvring of the phoropter. A spring loaded counter balance ensures stable positioning of the phoropter.

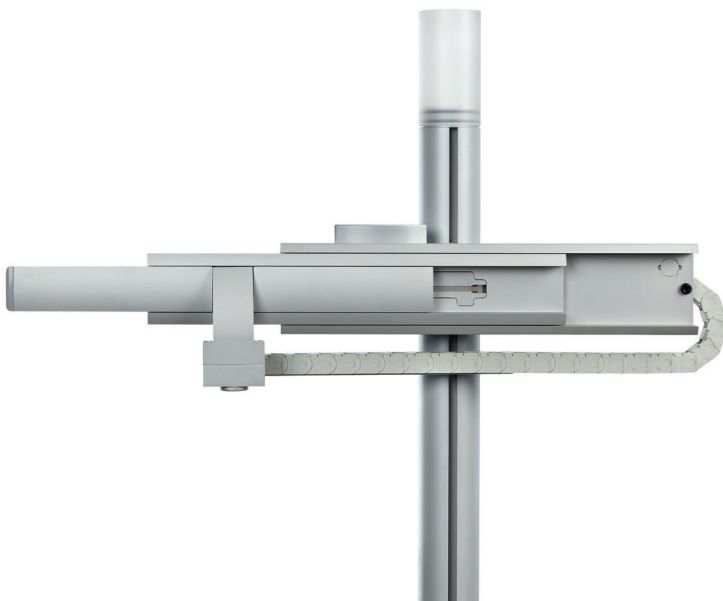
IS-600 III optional phoropter arm



VT-72 manual linear phoropter arm

The VT-72 is a linear phoropter arm which is specially designed to accommodate the CV-5000 computerized phoropter. The handle ensures a firm grip to control the movement.

The optional cable management kit provides a clean installation. The VT-72 is available for only the right version of this unit.



VT-74 electrical linear phoropter arm

The VT-74 has the same specifications as the VT-72, however this arm is electrically driven by using a foot switch.

OC-8 and OC-9 ophthalmic chairs

IS-600 III Ophthalmic Chairs



Topcon refraction chairs are designed to provide comfortable seating for patients during examination. Two ergonomic types are available to use with the IS-600 III: the standard version (OC-8) and the fully reclining version (OC-9). Both chairs provide a 200 mm elevation stroke with smooth and quiet movement. The foldable armrests provide extra flexibility and comfort. The OC-8 and OC-9 chairs can be operated from the touchscreen control panel of the IS-600 III or with an optional foot switch.

OC-8 and OC-9 ophthalmic chairs

Optional accessories



Foot rest



Up-down foot switch

OC-8 stand-alone use

The OC-8 can be used as stand-alone with support on a dedicated baseplate with wheels.

The OC-8 baseplate with wheels can be used in combination with the IS-600 III wheelchair setup for easy removal of the OC-8 chair when needed.



OC-8 R/L baseplate w wheels

Moveable baseplate for OC-8. To be used in combination with the IS-600 III wheelchair configuration or stand-alone.



Power Supply Kit OC-8 stand-alone

This kit is required if the base plate is not used in combination with the IS-600 III.

IS-600 III specifications



Features

Specifications

Tabletop	Suitable for 2 instruments (with elevation available)
Maximum load on tabletop	60 kg
Power on tabletop	230 VA
Power near vision lamp	3 W LED
Power of Room illumination	24 VDC / 9 W
Safety stop	Safety stop underneath tabletop
Inside dimension trial lens drawer	460 x 350 x 70 mm
Minimum installation dimensions	1700 mm (W) x 1550mm (D) x 2000 mm (H)
Stroke elevated tabletop	130 mm (790 mm - 920 mm)
Total power supply	110-240 V AC, 50-60 Hz
Maximum power consumption	1.250 VA
Electrical classification	Class I, Type B
Electronic soft start system	Yes
Net weight of IS-600 III	160 kg

Safety-stop

The safety-stop guarantees patients safety when operating the elevation of the tabletop or chair.

IS-600 III specifications

Features

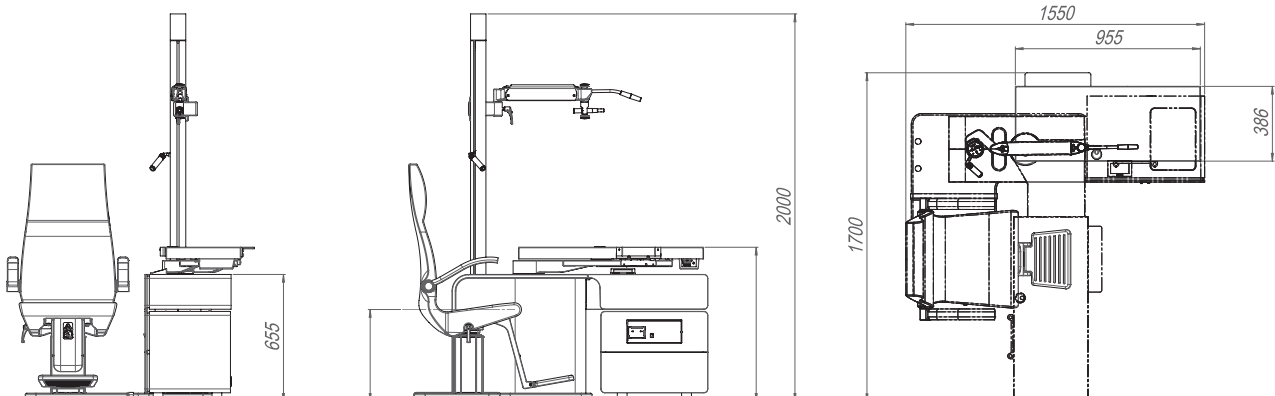
Specifications

Phoropter arms	VT-670	VT-671	VT-72*	VT-74
Load capacity range	4.5 to 10 kg (adjustable)	4.5 to 10 kg (adjustable)	4.5 to 10 kg	4.5 to 10 kg
Stroke of phoropter arm	+ 43° / - 15°	+ 43° / - 15°		
Maximum horizontal rotation of phoropter arm	Free	Free		
Positioning lock	Mechanical	Counterbalanced		
Net weight of phoropter arm	6.6 kg	6.6 kg	9 kg	11 kg
Linear movement			Manual	Electrical
Cable management kit			Autostop	Autostop

Ophthalmic chairs	OC-8	OC-9
Chair	OC-8	OC-9
Back rest	Fixed type	90° fully reclinable
Arm rest	Foldable	Foldable
Foot rest (Optional accessory)	Optional	Standard
Maximum load	173 kg	153 kg
Horizontal displacement	No	No
Possibility of additional neck rest	No	No
Maximum height	670 mm	710 mm
Minimum height	470 mm	510 mm
Stroke/Range	200 mm	200 mm
Angle° rotation with manual brake	30°	30°
Maximum power consumption (VA)	175 VA	175 VA
Electrical classification	Class I, Type B	Class I, Type B
Electrical protection class	IPX6	IPX6
Net weight	27 kg	47 kg
Overload: thermal protection. Motor stop 3 min. approx. duty cycle 1/9 min.	2 min / 18 min is the recommended duty cycle, but the motor does not stop.	2 min / 18 min is the recommended duty cycle, but the motor does not stop.

*VT-72 is only available for the right version of the unit

IS-600 III dimensions



IMPORTANT

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Not all products, services or offers are approved or offered in every market, and products vary from one country to another. Contact your local distributor for country-specific information and availability.

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