

Discover the world of
Refraction



YOUR VISION.
OUR FOCUS.



Discover the world of Refraction

Topcon Europe Medical is a world leading manufacturer for the ophthalmic and optometry industry since its establishment in 1932. The Topcon name carries a reputation of leading-edge technology to provide new value through innovation and manufacturing. This booklet is an overview of high quality instruments dedicated to the optometry and optician markets. The basic refraction line offers versatile and compact instruments, providing an economical solution suitable for your examination room. While the premium refraction line provides more features and a wide array of variations to suit your needs.

Please visit our website for more information www.topcon-medical.eu.

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Features

- | Topcon's Rotary Prism Technology for unparalleled accuracy
- | Simple to use
- | Compact and modern design
- | 8.5 inch LCD touchscreen panel
- | LAN connectivity



KR-800 / RM-800

Kerato-refractometer

The KR-800 / RM-800 provides quick & easy manual operation to measure accurate objective refraction and keratometry.



Features

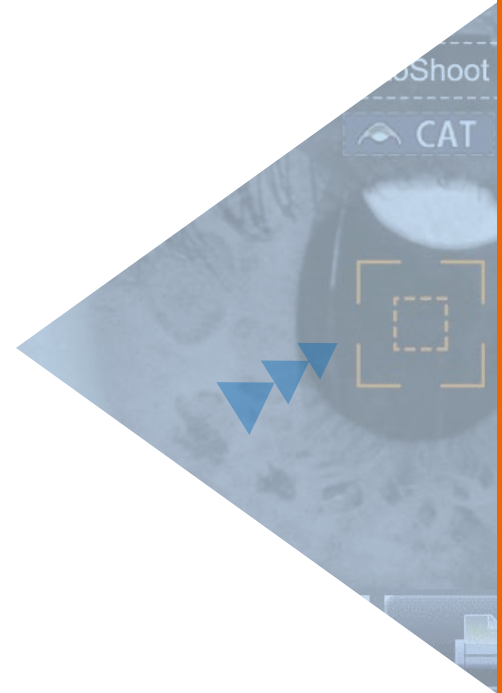
- | 3D Auto alignment for quicker acquisitions
- | Topcon's Rotary Prism Technology for unparalleled accuracy
- | Easy operation
- | 8.5 inch wide touchscreen control
- | Compact design
- | LAN connectivity



KR-800A

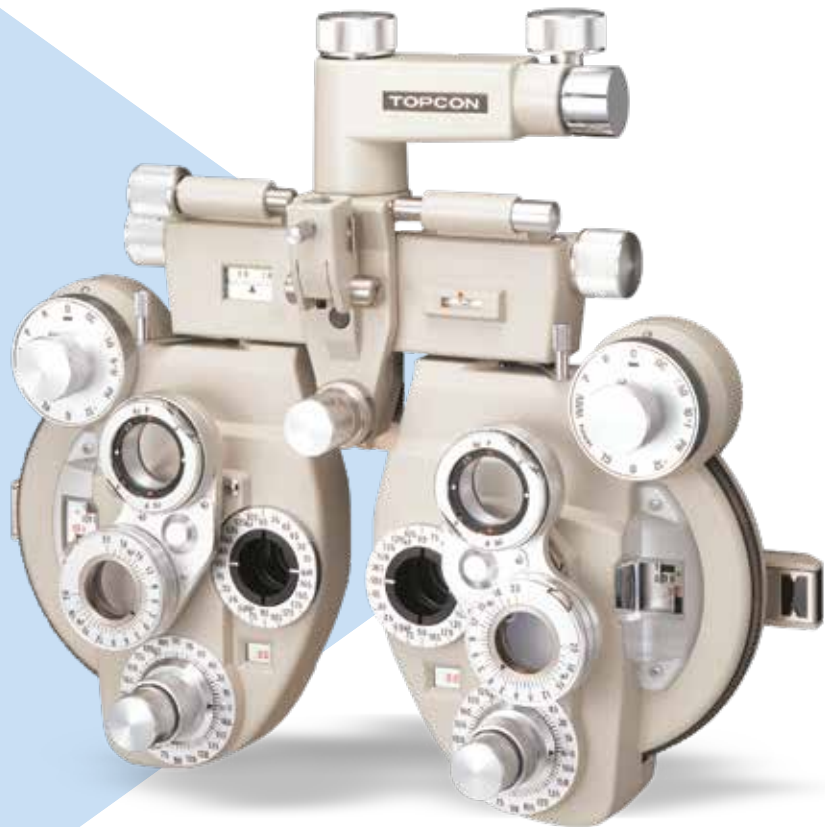
Auto kerato-refractometer

KR-800A - with 3D auto alignment function - offers enhanced efficiency and easier operation to improve your daily examination workflow in practice.



Features

- | Compact design
- | Easy to operate
- | Wide measuring ranges
- | Convergence system
- | High quality & solid build



VT-10

Vision tester

The VT-10 is Topcon's version of the most widely sold manual phoropter. The Topcon VT-10 phoropter is equipped with a cross cylinder that automatically rotates in conjunction with the set cylinder axis. Special gearing automatically synchronizes the rotation of the loop each time you change cylinder axis correction.



Features

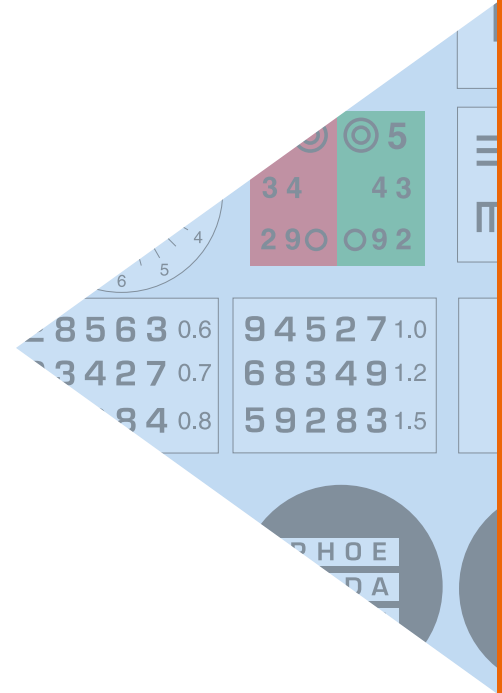
- | 30 built-in charts
- | Available in 4 different chart types
- | Easy distance calibration
- | Compatible with Topcon CV-5000 phoropter



ACP-8

Chart projector

The ACP-8 chart projector features 30 charts (including ETDRS), with a fast chart rotation on the market including high quality display screen.



Features

- | Soft airpuff
- | Maintenance free air-intake system
- | Calculation of adjusted IOP based on pachymetry values (manually)
- | 8.5 inch LCD touchscreen panel
- | LAN connectivity
- | Easy to use



INTRA OCULAR PRESSURE & CENTRAL CORNEAL THICKNESS

CT-800

Non-contact computerized tonometer

The CT-800 is a non-contact tonometer, designed on a small footprint and ensures accurate measurement.



Features

- | 3D Auto alignment function for quick and easy acquisition
- | Smooth operation
- | 8.5 inch wide touchscreen control panel
- | Soft airpuff causes less stress
- | Higher measurement success rate for eyes with IOL
- | Compensated IOP values with central corneal thickness values
- | Compact design



INTRA OCULAR PRESSURE & CENTRAL CORNEAL THICKNESS

CT-800A

Non-contact computerized tonometer

CT-800A - with 3D auto alignment function - offers enhanced efficiency and easier operation and enables intraocular pressure measurement with just one press of a button.



Features

- | LED illuminated target for brighter, glare-free viewing
- | Crosshair style target
- | Wide field eyepiece provides less shading effect
- | Improved marking device
- | Battery operated
- | Contact lens measurement
- | Built-in prism compensator



LM-8

Lensmeter

The LM-8 is a classic lensmeter with an improved optical system and a LED illuminated target for glare-free viewing and fatigue-free operation.



Features

- | Precise measurement of the corneal radius of curvature and the radius of curvature of contact lenses
- | Internal scale reading system with extended measurement range
- | Simultaneous measuring of principal meridians reduces measuring time
- | Speedy, one-position measurement



OM-4

Ophthalmometer

The OM-4 ophthalmometer (Sutcliff Type) is a compact designed and easy to use instrument providing precise objective measurements of the corneal radius of curvature plus accurate measurements of the radius of curvature of contact lenses.



Features

- | LED illumination
- | Three magnifications: 10x, 16x, 25x
- | Blue & red-free filter
- | Various options available such as tonometer and yellow filter



SL-2G

Slit lamp

The SL-2G is the basic low illumination slit lamp in our product range. The SL-2G slit lamp has a LED light source which is economical and environmentally friendly.



Features

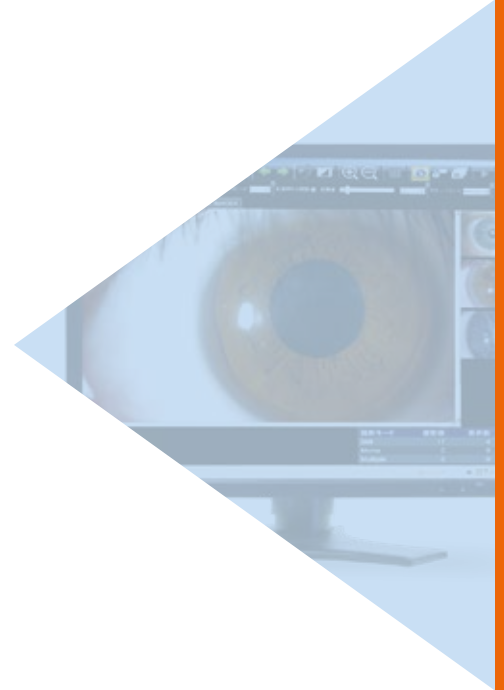
- | Three magnifications:
10x, 16x and 25x
- | Blue filter, Red-free filter, ND filter,
UV cut filter and IR cut filter
- | Halogen illumination
- | Galilean optics conversion
- | Topcon DC-4 digital camera
compatible



SL-D301

Slit lamp

The SL-D301 is a classic and economical digital slit lamp with tower illumination especially designed with a stereoscopic converging biomicroscope, with excellent optics of the Galilean type that produces a sharp and clear view.



Features

- | Small footprint
- | Intuitive control panel
- | Extended chair elevation stroke with smooth and silent movement
- | Scratch resistant and easy to clean tabletop
- | Various chair options available in color and reclinability



IS-100

Instrument Stand

The IS-100 Instrument Stand combines comfort, functionality and design in a compact unit that is affordably priced. Available in right or left-hand versions, the IS-100 allows the use of two instruments on a sliding table that swivels out of the way for easy patient access.



Features

- | Small footprint
- | Electric elevation of tabletop
- | Tabletop electro-brake
- | Dimming of room light
- | Wheelchair accessibility
- | LED reading light
- | Integrated cable management system



IS-600III

Instrument Stand

The IS-600III is a comfortable and stable workstation and is available in a right, left or wheelchair version, as well as a version with parallel elevation of the phoropter with the tabletop movement.

The IS-600III comes with a fixed tabletop or electrical elevation of the tabletop.



Features

- | Load capacity 50 kg
- | Motorized height adjustment
- | Compact footprint
- | Wheels for smooth movement



AIT-16

Instrument table

The AIT-16 is a basic table especially designed for the Topcon slit lamp line.



Features

- | Compact design
- | Easy to operate
- | Wide measuring ranges
- | Convergence system
- | High quality & solid build



ATE-300

Instrument table

The ATE-300 is a MDD certified instrument table with a central column and a stable floor support which is wheelchair accessible.



Features

- | ATE-600 has three different tabletop options
- | Maximum work load of 80 kg
- | Motorized height adjustment
- | Wheels for smooth movement



ATE-600 / ATE-650

Instrument table

The ATE-600 and ATE-650 are versatile tables for Topcon instruments. The ATE-600 has a central column and is available with three different tabletops. A tabletop for one instrument, a tabletop for two instruments and a V-shape tabletop for two instruments. The ATE-650 has a fixed tabletop with the column on the side.



Premium Refraction line

Technological innovations advance rapidly and devices are getting more complex every day. Therefore at Topcon, we aim to stay ahead of current technology by designing premium instruments with high quality. With the Topcon premium refraction line, we provide you a wide array of variations to suit the needs of your practice. We can improve the foundations of daily routines by staying focused on patient satisfaction.

Discover Topcon's premium refraction line on the following pages.

Features

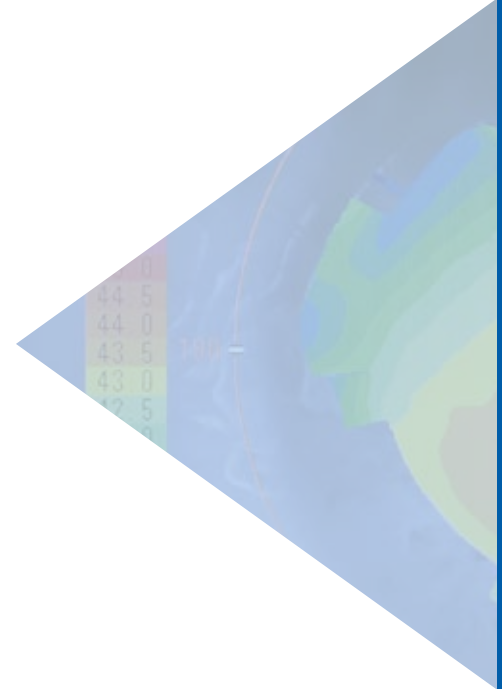
- | Corneal mapping function
- | Topcon's Rotary Prism Technology for unparalleled accuracy
- | Easy operation with 3D auto alignment
- | Compact design
- | Wide touchscreen control monitor
- | Simple and intuitive data display
- | Infrared placido system avoiding tear film break-up
- | Optional viewer software



KR-800PA

Kerato-refractometer

The KR-800PA offers the unique combination of Kerato-Refractometer and a Corneal Mapping system in one device to improve the workflow in your practice. The KR-800PA provides the most reliable and accurate corneal analysis by making use of the infrared LED placido ring and its sophisticated measurement principle. KR-800PA can be used as stand alone or extended with external viewer software i-Map on laptop or PC.



Features

- | One touch automated operation
- | Peripheral corneal Keratometer measurement
- | Flexible & space saving layout
- | Reliable & fast measurements
- | Compact ergonomic design
- | Rotating prism technology for higher accuracy



KR-1

Kerato-refractometer

The KR-1 is a revolutionary auto kerato-refractometer. The tiltable and rotatable touchscreen makes it possible for the operator to use the KR-1 with just one touch from various angles, ensuring the best interaction with the patient. The Topcon KR-1 measures peripheral keratometer values on a 6.0 mm diameter.



Features

- | Compact design keeping interaction with the patient
- | Fast lens rotation
- | Lenses with high anti-reflex coating
- | Near chart LED illumination
- | One dial operation with KB-50S
- | Fully programmable display layout
- | Programmable refraction course sequences
- | Optional wireless tablet operation
- | Sales support functions
- | User-friendly interface



CV-5000PRO

Vision tester

The CV-5000PRO is a high standard automated phoropter that offers all the latest features in automated refraction. It features a high-speed lens chamber, small optical head and can be operated through several controllers, such as PC, laptop, KB-50S, one dial controller and tablet.



Features

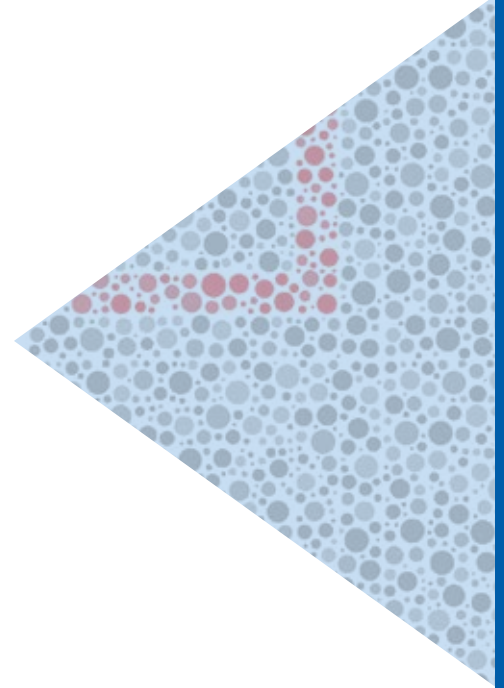
- | High quality 22 inch LED LCD screen
- | Unique circular polarization separation (XP model)
- | Wide range of optotypes
- | Randomization of VA charts
- | Spatial frequency contrast sensitivity test
- | Pseudoisochromatic plate color vision test according to Hardy Rand Rittler
- | White Maddox LED light source
- | MKH test sequence according to Haase
- | Compatible with CV-5000 system



CC-100 (XP)

Computerized chart system

The CC-100 series is a LED LCD chart system which incorporates all important visual acuity tests, binocular tests, color vision tests and contrast sensitivity tests. The CC-100 series chart system is fully integrated in the Topcon CV-5000 phoropter system.



Features

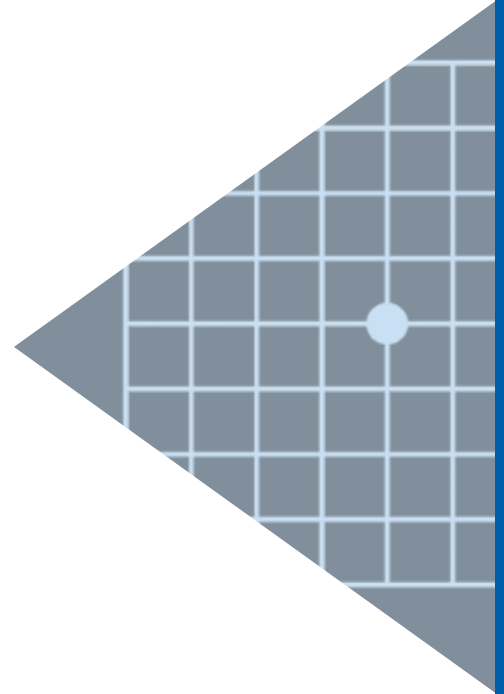
- | Objective autokerato-refracto measurement
- | Subjective Visual Acuity test for far and near distance (additional power)
- | Visual Acuity test with subjective power in glare condition
- | Visual Acuity test with subjective power in various contrast levels
- | Grid test for easy screening of AMD and other macular related diseases



KR-800S

Subjective kerato-refractometer

KR-800S is a versatile instrument that provides easy comparison of the Visual Acuity between the objective, subjective and unaided refraction. The KR-800S includes five functions in just one device to assure quick and accurate results.



Features

- | Topography
- | Fluorometry
- | Pupillometry
- | Zernike Analysis
- | Contact lens fitting simulation
- | Toric IOL calculation
- | Meibography
- | White to white
- | Comparison maps
- | Curvature height maps
- | Automated best image selection
- | Keratoconus probability index
- | Ortho-k treatments
- | Complete corneal analysis
- | Tear film analysis
- | Optional viewer software

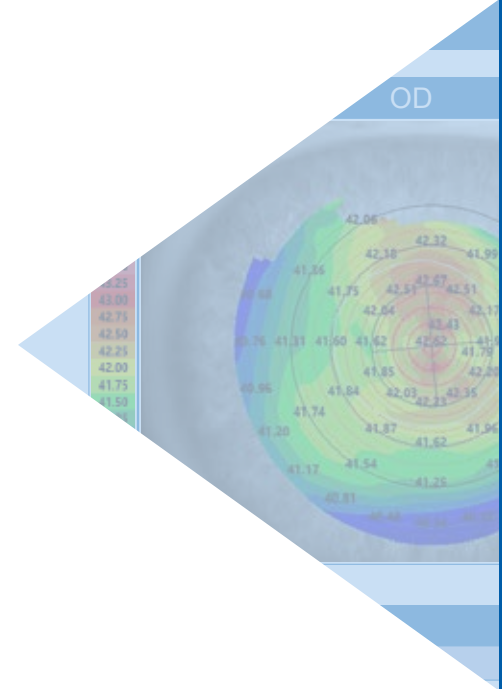


CA-800

Topographer

The CA-800 corneal analyzer offers a complete solution for full diagnostic evaluation of the anterior corneal surface, as well as Meibomian Glands observation and Tear Film analysis.

The CA-800 is extremely easy to handle and use. Visual signals support fast and easy alignment and focusing on the patient's eye for quick acquisitions. CA-800 can be used as stand alone or extended with external viewer software i-Map on laptop or PC.



Features

- | Five functions in one instrument (wavefront aberrometry, corneal topography, refractometry, keratometry and pupillometry)
- | Unsurpassed reproducibility and reliability
- | Decision support for cataract and refractive procedures
- | Wavefront image sequence
- | Simulated visual acuity (VA) assessment
- | Full auto alignment
- | Integrated evaluation software



KR-1W

Wavefront analyzer

The KR-1W is the only wavefront & topography system to offer both refractive and diagnostic functionalities. It can be used for wavefront aberration, corneal topography, pupillometry, keratometry and objective refraction. All measurements are performed by one push on the joystick. KR-1W is the ultimate decision support for cataract and refractive procedures.



Features

- | Compact ergonomic design
- | Adjusted IOP based upon pachymetry
- | Fully automated one touch acquisition
- | Flexible and space saving layout
- | Build-in printer
- | Soft airpuff
- | Reduced nozzle maintenance
- | Additional measurement mode



INTRA OCULAR PRESSURE & CENTRAL CORNEAL THICKNESS

CT-1P

Non-contact tonometer & pachymeter

The stylish and compact CT-1P provides non-contact tonometry as well as pachymetry in a flexible layout due to the rotatable control touchpanel. The CT-1P is fully automated which eliminates the need of a control lever.



Features

- | 4 in 1: refraction, keratometry, tonometry and pachymetry
- | Fully automated with rotatable control touchpanel
- | Soft air-puff
- | Adjusted IOP based upon pachymetry
- | Ergonomic design
- | Small footprint



INTRA OCULAR PRESSURE & CENTRAL CORNEAL THICKNESS

TRK-2P

Kerato-refractometer & tono-pachymeter

The TRK-2P combines a refractometer, a keratometer, a non-contact tonometer and a pachymeter in one compact device. The TRK-2P features a fully auto alignment system with auto measurement function. With just one touch of the fingertip on the control panel, the TRK-2P will measure both eyes accurately due to Topcon's exclusive Rotary Prism Technology.



Features

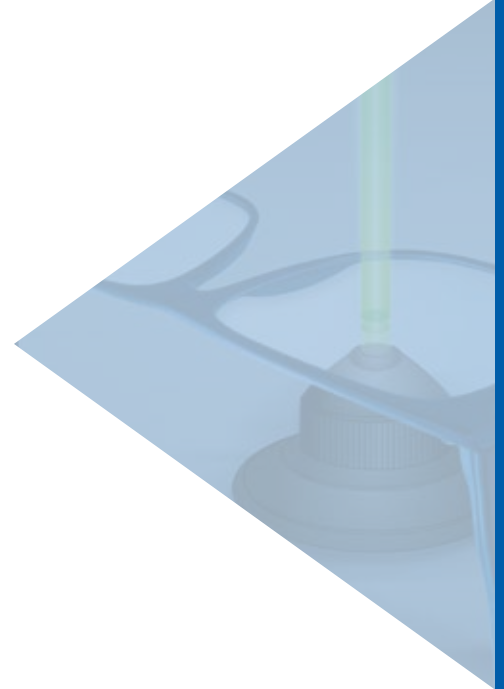
- | LCD color touchpanel
- | Compact slim body
- | PD measurement (PDL model)
- | Automatic mono-, bi- & multifocal detection
- | UV transmittance measurement
- | Green measurement light beam
- | LAN connectivity (PDL model)



CL-300P(D)L

Lensmeter

The compact, ergonomic design of the CL-300 and intuitive colored touchscreen panel ensures easy measurements of all types of lenses, including progressive lenses and contact lenses. CL-300 detects automatically monofocal, bifocal and multifocal glasses. The CL-300 provides also UV transmittance measurement and comes in two models with the choice of steel needle markers or ink-cartridge markers.



Features

- | Five magnifications: 6x, 10x, 16x, 25x, and 40x for daily specialist use
- | Halogen and LED illumination source available
- | Four filters for enhanced examination
- | Blue Free Filter™ system for 1.6x brighter fluorescein observation (Fluo model)
- | Optimal clarity, color resolution and depth-of-field
- | Background illumination (BG-5) provides IR illumination which enables observation of Meibomian glands
- | BG-5 provides shadow free observation
- | DC-4 Digital camera compatible



SL-D701

Slit lamp

The SL-D701 is a digital slit lamp which can be used with conventional halogen illumination or with LED illumination. LED illumination ensures consistent color temperature during light intensity adjustment and easier visualization of details in the anterior chamber and vitreous such as flare and inflammation. The digital slit lamp series are compatible with the digital image device DC-4.



Features

- | Five magnifications: 6x, 10x, 16x, 25x & 40x (SL-D4)
- | Halogen light source
- | Optimal clarity, color resolution and depth-of-field
- | Compact and easy to use
- | DC-4 Digital camera compatible



SL-D2 / SL-D4

Slit lamp

The SL-D2 / SL-D4 is part of Topcon's D-series Digital Slit Lamps. It can be used as a conventional examination instrument or with the several imaging options. The digital slit lamp series are compatible with the digital image device DC-4.



Features

- | Infrared cut filter to capture Meibomian Glands
- | 5-megapixel CMOS chipset
- | Smart capture function
- | Auto exposure function
- | Easy capture with slit lamp joystick button
- | IMAGEnet® i-base software included



DC-4

Digital camera

The DC-4 is a digital camera for capturing still images or videos for detail analysis and diagnosis. The DC-4 has a 5-megapixel CMOS chipset for a crisp capture similar to the binocular observation quality. The DC-4 is very user-friendly, images and videos are made by pushing the joystick button of the slit lamp. The DC-4 digital camera is compatible with Topcon's SL-D series digital slit lamps.



Features

- | Supports two instruments
- | Elevated swivel type tabletop with electrobrake
- | Available in fashionable colors
- | Wide variety of ophthalmic chairs
- | Unique touchscreen control panel
- | Available in right, left and wheel-chair configuration
- | Synchronized movement of tabletop and phoropter
- | Curtain control



IS-1

Instrument Stand

IS-1 is Topcon's ophthalmic stand of the premium class. The unit offers you a wide range of options that fulfills all your needs while examine your patient. The IS-1 is built with durable material and exists in fashionable colors and designs like wood finishing. The rotatable sliding tabletop accommodates up to two instruments. The IS-1 series are controlled by a computerized touchscreen which can control and synchronize various movements and functions.



Features

- | Supports three instruments
- | Available in fashionable colors and wood finishing
- | Unique touchscreen control panel
- | Integrated electrobrake & curtain control
- | Electronic forward / backward chair movement
- | Fully automated electronic linear phoropter arm



IS-1D

Instrument Stand

The IS-1D is similar to the IS-1 but offers the unique possibility of three instruments on a rotating tabletop. The IS-1D comes as standard with two electrobrakes controlled by a footswitch. Similar to IS-1 the tabletop can be elevated.



Features

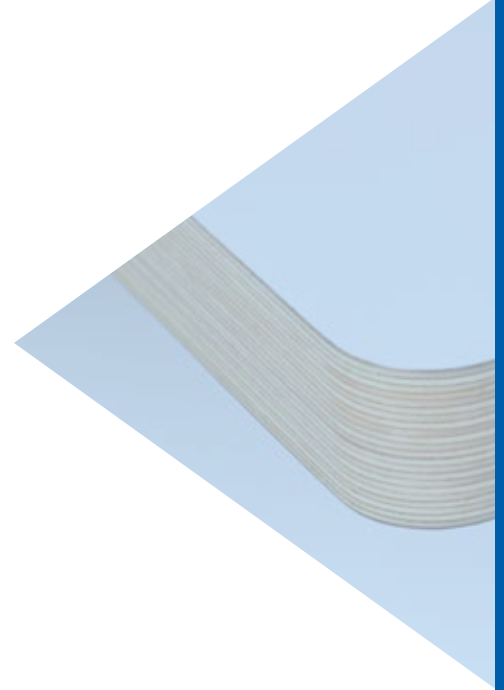
- | Large stroke of 300 mm
- | White tabletop with wooden edge finishing
- | MDD certified
- | Wheelchair accessible
- | Digital control panel
- | Small footprint
- | ATE-700 PC for PC storage
- | Optional wheels with break



ATE-700 (PC)

Instrument table

The ATE-700 is a Topcon MDD certified instrument table which is wheelchair accessible due to two separate elevation support columns. The table is suitable to accommodate one or two instruments. The ATE-700 PC version is especially designed to accommodate instruments which needs PC support. The depth of the tabletop supports in particular the use of slit lamps.



Features

- | Unique stroke of minimum 628 mm and maximum 978 mm
- | Storage for PC, keyboard and printer
- | Unique cable management system
- | Robust rubber shielded wheels
- | Patient and clinician friendly design
- | Wheelchair accessible



ATE-800

Instrument table

The ATE-800 is our premium table which offers wheelchair accessibility and can be configured to your wishes with various options. The ATE-800 is a versatile table which offers a compact, clean and clear working environment. The low point of gravity of the base ensures high stability.



Features

- | Modern design
- | Unique concept
- | Tabletop available for one & two instruments
- | Space saving
- | Simple & easy operation of the tabletop
- | Easy wheelchair accessibility
- | Vertical elevation of tabletop by 600 mm
- | Standing & sitting position usability
- | Workstation with monitor & keyboard support
- | Very large elevation stroke



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IC-1

Instrument Column

This IC-1 instrument column is a unique wall mounted instrument table resulting in an exceptionally small footprint, saving valuable floor space and making it easy accessible for floor cleaning purpose. The IC-1 is available in two colors and can be set up for one or even two instruments. The IC-1 is especially designed with Topcon's KR-1 and CT-IP in mind with rotatable touchscreen.



Features

- | Innovative unique design
- | Extremely space saving
- | Easy wheelchair accessibility
- | Large tabletop elevation stroke of 600 mm
- | Standing and sitting position usability
- | Tabletop available for one or two instruments



IC-1E

Instrument Column

The IC-1E is the compact version of the IC-1 wall mounted instrument table. Similar to the IC-1, the IC-1E has a remarkable large stroke of 600 mm and enables you to use the complete tabletop as a work area. The IC-1E is available with a tabletop for one instrument or a large tabletop which accommodates two instruments.



The world of Refraction

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TOPCON EUROPE MEDICAL

Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O. Box 145; 2900 AC Capelle a/d IJssel;
The Netherlands; Phone: +31-(0)10-4585077; Fax: +31-(0)10-4585045
E-mail: medical@topcon.eu; www.topcon-medical.eu