



 **TOPCON** Healthcare

# REFRACTION

## CL-300

The CL-300 is a computerised lens meter with a touchscreen panel and UV meter.

The CL-300 automatically detects and measures all types of lenses, including progressive lenses and contact lenses.

The UV measurement function provides information on the ultraviolet transmittance in the range of 0% to 100%, providing reliable measurement results for eyeglasses and sunglasses.

### Main characteristics

- Main characteristics
- LCD colour touch panel
- Compact slim body
- Automatic mono and multi-focal detection
- UV transmittance measurement
- Green measurement light beam



## SOLOS

SOLOS is a fully automated lensmeter with a full range spectrometer that detects, measures and marks single vision, progressive and other multifocal lenses glazed in a spectacle frame or as uncut lenses.

With a single touch, SOLOS automatically positions each lens, detects the lens type, and performs comprehensive measurements of both lenses within a spectacle frame. Measurement results can be sent to the built-in printer and can be exported to an EMR, Topcon's CV-5000S digital phoropter or Chronos binocular refraction system.

### Main characteristics

- Automated, One-Touch Operation
- Lens Mapping
- UV-A, Blue Light and Visible Light Transmittance Measurements
- Automatic Marking
- Automatic Lens Type Detection
- Wireless Data Transfer
- Extended Measurement Range (Up to +/- 20D)



## KR-800

The KR-800 auto kerato- and refractometer incorporates the very latest in design, technology and ergonomics. The unit features a bright 8.5 inch colour touchscreen panel to control the main functions. Topcon systems have been renowned for their accuracy due to the proven Rotary Prism Technology™.

The compact footprint and design of the KR-800 will save space and add functionality to the contemporary eye care practice.

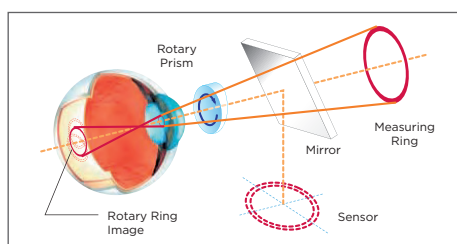
### Main characteristics

- Topcon's Rotary Prism Technology™ for unparalleled accuracy
- User friendly
- Compact and modern design
- 8.5 inch LCD touchscreen panel
- Connectable LAN



## TRK-2P

The TRK-2P features a complete auto-alignment system, combined with auto-refractometer, keratometer, non-contact tonometer and pachymeter in one instrument.



### Main characteristics

- 4in1 advanced pretesting station
- Refractometer, keratometer, non-contact tonometer and pachymeter in one single instrument
- Fully automatic
- Rotating touch screen control panel
- Compact and modern design
- Optional LU-1



# REFRACTION

## CV-5000PRO

Topcon's CV-5000PRO automatic phoropter sets quality standards. Fast lens rotation provides comfort for user and patient. The compact and contemporary design enhances the professional image of the practitioner. Due to the compact design the refractionist can monitor the patient's expression during refraction.

To perform the near tests, the near chart illumination is incorporated into the CV-5000PRO.

The CV-5000PRO automated phoropter can be controlled by a tablet, by the Topcon KB-50S controller or by PC software operation.

### Main characteristics

- Compact design
- Fast lens rotation
- Versatile operation
- Near chart LED illumination



## CC-100XP

The Topcon LED LCD chart system contains all important visual acuity, binocular, colour vision and contrast sensitivity tests. The most remarkable feature is the Topcon patented circular polarisation.

The CC-100XP is a 22 inch LCD screen with high resolution, high contrast and high brightness. CC-100XP can be operated by the Topcon CV-5000 automated phoropter, by a remote controller, or by a wireless CV-5000 Tablet solution.

### Main characteristics

- 22 inch LCD screen
- 100% polarisation
- Wide range of optotypes
- Virtually unlimited test charts
- Spatial Frequency contrast sensitivity test
- White Maddox LED light source
- MKH test sequence according to Haase
- WiFi and USB connection
- CV-5000 Tablet ready





**It is time**  
to reinvent  
refraction.

## CHRONOS

Chronos offers binocular autorefraction, keratometry measurements and visual acuity with subjective testing. Chronos is a single space-saving instrument that optimises your workflow.

- **DELEGATE**

SightPilot™ is a guided refraction system that simplifies the exam and facilitates delegation

- **GROW**

Chronos offers the versatility critical for growing your practice

- **SAVE SPACE**

Chronos combines binocular autorefraction and keratometry measurements with binocular subjective testing and visual acuity in a single instrument that occupies minimum space. Chronos reduces the number of conventional refraction lanes and additional refractometers needed

- **SAVE TIME**

Chronos saves time by optimising workflow, eliminating the time taken to clean and move between devices

# FURNITURE

## IS-100

Topcon IS-100 has a modern design and allows two instruments on a swivel type tabletop. Its simplicity and basic functionality for an affordable price level makes the IS-100 Instrument Stand the perfect solution for the optician and optometry market. The innovative IS-100 is available in a right and left setup.

The tabletop surface is scratch resistant, fingerprint proof and easy to clean. The elevation movement of the chair provides a long stroke for easy access and is very smooth and silent.

### Main characteristics

- Small footprint
- Capacitive control panel
- Large chair elevation stroke with smooth and silent movement
- Scratch resistant and easy to clean tabletop



## IS-600 III

The Topcon IS-600 III has been developed as a refraction unit without compromise. The IS-600 III is a comfortable and stable workstation to accommodate two instruments and can be adapted to fit various kinds of examination rooms.

### Main characteristics

- Small footprint
- Powered elevation of tabletop
- Adjustable positioning of tabletop with electro-brake (optional)
- Various options such as LED reading light
- Dimming of room light
- Integrated cable management system
- Wheelchair accessibility



## IC-1

The IC-1 is an innovative concept and an efficient solution for presenting instruments in your consulting room. This IC-1 instrument column is wall mounted, resulting in a very small footprint, saving you valuable floorspace and making it easy access for cleaning the floor. The IC-1 is available in two colours and can be set-up for one or even two instruments. The adjustable elevation of the table top allows for seated or standing operation of your instruments.

### Main characteristics

- Modern design
- Table top for one and two instruments available
- Space saving
- Simply and easy operation of the table top
- Easy wheelchair accessibility
- Large stroke of table top
- Standing and sitting position usability
- Workstation with monitor and keyboard support



## IS-1P

The IS-1P unit is supplied with a powered linear sliding tabletop to accommodate two instruments. The VT-1L linear automated phoropter arm is synchronised with the elevation movement of the tabletop. The optional monitor support allows installation of a TFT monitor for user convenience. The IS-1P can also be supplied with an optional large desk to meet the requirements of a busy ophthalmic practice.

### Main characteristics

- Two instrument electrical driven parallel sliding table top
- Touchscreen control panel
- Automated linear phoropter arm VT-1L
- Powered elevation of table top
- Synchronised movement of phoropter arm with table top
- Integrated cable management system
- Wheelchair accessibility (right version)
- Various options such as monitor support and curtain control
- Large IS-1P PC-desk
- OC-14 fully reclinable ophthalmic chair available



# OCT

## TRC-NW400

The TRC-NW400 is an automated and robotic fundus camera that performs true colour photography. By incorporating the 360° rotating touch panel monitor, the operator is able to acquire the image rapidly and easily by a simple finger touch. It makes your workflow efficient.

### Main characteristics

- Non-mydratric retinal camera
- True colour fundus images
- Fully automated
- Full 360° rotating monitor
- Rapid and simple capture by single touch
- Small footprint



## NW500

NW500 is the next generation fundus camera, delivering bright and sharp images in well-lit conditions<sup>1</sup>, even for eyes with small pupils<sup>2</sup>. The touch-screen monitor offers automatic, rapid one-touch acquisition and 360 degrees of rotation, allowing flexibility to operate from virtually any position.

Innovative slit-scan illumination and rolling shutter mechanism in the NW500 produces excellent quality colour fundus images with less flare and shadow<sup>3</sup>. This technology also helps in overcome one of the known causes of poorly graded images with its ability to effectively image through small pupils, regardless of miosis and the lighting conditions.

### Main characteristics

- Sharp, high-quality images
- Automatic, rapid one-touch image capture
- Image through small pupils, 2.0 mm or larger\*
- 12MP sensor for enhanced image quality
- Compact design fits into almost any examination setting
- Variety of connectivity options for seamless integration and workflow



1. A room with a brightness of 623 lux or less.  
2.  $\phi$ 2.0 mm or larger, tested on model eye.  
3. As compared to Topcon non-mydratric retinal camera TRC-NW400.



## MAESTRO2

Introducing automated OCT, true colour\* fundus photography and automated OCT Angiography in one compact instrument. With the touch of a button, OCTA provides you instantaneous vascular structure information - from our world-renowned, multimodal OCT solution.

### Main characteristics

- OCT and true colour\* fundus photography
- 50,000 A-Scans per second
- Fully automated image capture
- Compact and space saving design
- 3D wide scan with Hood Report for Glaucoma
- Reference database comparison for full retinal thickness (Retina), ganglion cell + inner plexiform layer thickness (GCL+), ganglion cell complex thickness (GCL++), circumpapillary retinal nerve fibre layer thickness (RNFL)
- Automatic 3D layer segmentation
- Anterior segment OCT
- Panoramic fundus imaging
- 3D volume view



\* True, full colour fundus image simultaneously captured with white light, 24-bit colour.

## DRI OCT TRITON™ / DRI OCT TRITON PLUS

Triton's Swept Source with its 100 kHz scanning speed and 1,050 nm wavelength results in clear and detailed images even for the deepest layers of the eye with short acquisition time.

With features such as OCT angiography, fundus auto-fluorescence and en face OCT, Triton delivers multimodal imaging capability to help assess and preserve patient's eye health.

### Main characteristics

- Swept Source OCT - 100,000 A-scans/sec
- 1,050 nm wavelength
- 12 mm widefield acquisition
- Multimodal fundus imaging: Fundus photography\*, OCTA\*\*, FA\*\*, FAF\*\*
- Multimodal platform
- SS OCT Angiography



\* True colour fundus image with 24-bit, white light acquisition.

\*\* DRI OCT Triton Plus: OCT / Anterior Segment OCT (Option) / OCT Angiography (Option) / Colour / Red-Free / FA / FAF Fundus Imaging  
DRI OCT Triton: OCT / Anterior Segment OCT (Option) / OCT Angiography (Option) / Colour / Red-Free Fundus Imaging

# IMAGING

## SL-D SLIT LAMP SERIES

The blending of quality, versatility and ease of use make digital image capture smooth and effortless. The SL-D series meets the varied demands of eye care specialists. A variety of models in different configurations offering primary clinical observation through to sophisticated image capture.

The SL "D" Series employ converging binocular tubes with a parallel magnification system, for comfortable viewing. The DC-4 Digital Camera can be easily mounted on any of the "D" series Topcon Slit Lamps, converting them into an ophthalmic image recording system.



**SL-2G**

### LED Slit Lamp

Basic, economical, and eco-friendly, the SL-2G slit lamp offers an LED light source which is both economical and environmentally friendly. It offers 3 magnifications, 10x, 16x and 25x, as well as blue and red-free filters.



**SL-D2**

### Digital Slit Lamp

A basic Slit Lamp with 3 magnifications, halogen illumination and digitally ready for use with the DC-4 attachment.



**SL-D4  
(LED type)**

### Digital Slit Lamp

The SL-D4 digital slit lamp offers LED illumination and 5 magnifications. This digital slit lamp can be used as a conventional biomicroscope or as a slit lamp with several imaging options, and is also compatible with the DC-4 attachment.



**SL-D301**

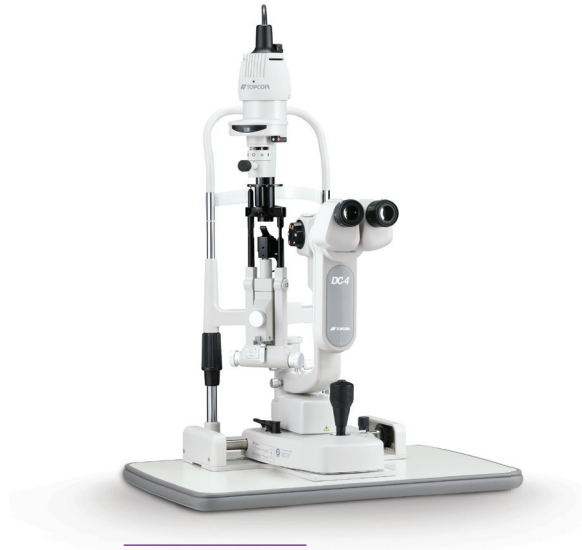
### Digital Slit Lamp

The SL-D301 is a classic and economical slit lamp especially designed with the optometry clinic in mind. This digital slit lamp with halogen tower illumination system offers 3 magnifications and is compatible with the DC-4 attachment.



**SL-D701  
(Halogen type)**

Digital Slit Lamp  
The SL-D701 with Halogen illumination offers 5 magnifications and 4 filters for enhanced examination. This digital slit lamp is compatible with the DC-4 attachment.



**SL-D701  
(LED type)**

Digital Slit Lamp  
The SL-D701 with LED illumination allows observation under a brighter, homogeneous condition than the conventional halogen. This digital slit lamp offers 5 magnifications and 4 filters for enhanced examination, and is compatible with the DC-4 attachment.

**Take a tour of Topcon's  
SL-D701 Slit Lamp**  
with Anterior imaging expert,  
Dr. Keyur Patel.



**TOPCON**  
Healthcare University

# EXAMINATION

## MYAH

Build, manage and grow your myopia and dry eye practice. MYAH offers all the technologies required to support myopia management: optical biometry, corneal topography and pupillometry – it is a one-time investment. In addition, MYAH is an all-in-one device that offers an evolving platform which provides the tools to add or grow Dry Eye Management.

### Main characteristics

- Corneal topography including keratoconus screening and pupillometry
- Axial length measurement by optical low coherence interferometry
- Progression reports for analysing treatment efficacy
- Comprehensive suite of Dry Eye assessment tools
- Patient-friendly with rapid capture
- Compact, space-saving, easy to operate



## HENSON 9000

The Henson 9000 is a compact, easy-to-use perimeter for detecting and monitoring changes to visual fields.

The Henson 9000 offers a range of tests for the detection and monitoring of visual field loss along with a full suite of analytical tools and networking capabilities.\* It features innovative, time-saving tests and analytical tools that enhance patient experience and practice efficiency. Tests can often be extended to include detailed mapping of the central 10 degrees.

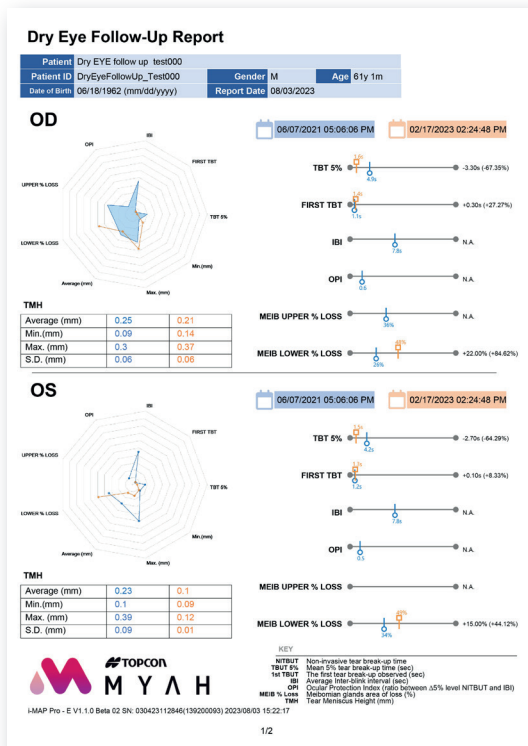
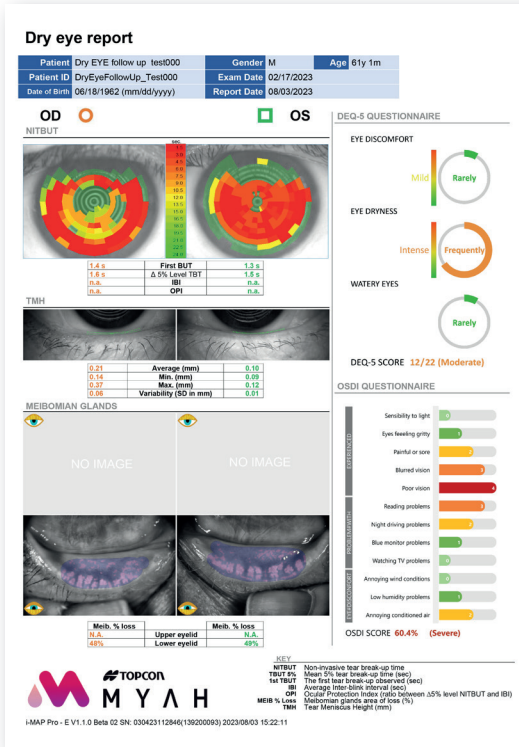
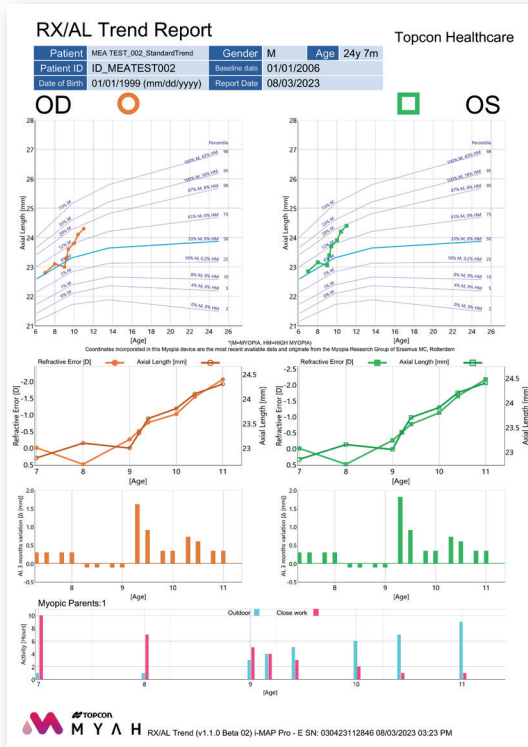
### Main characteristics

- A Smart Supra - multiple stimulus
- Improved sensitivity (to central defects) - the 3.5 min Smart Supra test combines 24-2 and 10-2 test patterns
- Smart Supra tests can be set to auto-extend, as required, from 26 points to 54 (24-2) and from 54 points to 86 points (24-2 + 10-2)
- Enhanced follow-up: the ZATA threshold test starts from prior patient data, uses smart threshold-related terminating criteria to optimise test performance and includes powerful tools for analysing progression
- Flexibility for doctors and patients



\* Networking capabilities are provided by the controlling computer.

# REPORT MYAH



# SURGICAL

## OMS-800 STANDARD

Equipped with most of the features of the OMS-800 range, the OMS-800 Standard answers the need for a simpler, easy to use operation microscope. Manual brakes and ease of mobility make the OMS-800 an affordable yet advanced unit for all ophthalmic procedures.

## OMS-800 OFFISS

OFFISS offers an enhanced scope of possibilities in vitreoretinal surgery. Equipped with the OFFISS lenses mechanism, electromagnetic brakes and sophisticated electronics, this model provides the highest specification for intravitreal surgery, as well as other ophthalmic procedures.

## OMS-800 PRO

Electromagnetic brakes and sophisticated electronics provide the OMS-800 PRO with the flexibility to facilitate virtually any type of ophthalmic surgical procedure.



### Components

	OMS-800 Standard	OMS-800 OFFISS	OMS-800 Pro
<b>OFFISS</b>	-	○	-
<b>Electromagnetic locking</b>	-	○	○
<b>Coarse focusing</b>	-	○	○
<b>Inverter</b>	-	○	-
<b>Apochromatic optics</b>	○	○	○
<b>Beam splitter</b>	○	○	○
<b>Changeable beam splitter</b>	-	-	-
<b>Illumination angle</b>	Full Illumination ( $\pm 2^\circ, +4^\circ$ ) / $\pm 2^\circ$ / Yellow Filter ( $+4^\circ$ )		

## ALADDIN

The Aladdin is an easy-to-use, combination optical biometer and full corneal topographer. 9-in-1 features include optical coherence biometry, Placido topography, wavefront analysis of the cornea, IOL calculation suite, pupillometry, DICOM connectivity and the NEW RX/AL Trends Module.

Posterior and anterior interferometry biometry results are complemented with anterior topography, Zernike analysis and pupillometry in one fast, accurate and easy acquisition.

### Main characteristics

- Keratometry / Topography
- Keratoconus screening
- Pupillometry
- Aberrometry analysis (Zernike)
- Axial length
- Anterior biometry
- White to white



## PASCAL®

With enhanced optics, improved ergonomics, intuitive software, and subthreshold capabilities, the Pascal Synthesis allows faster procedures with less pain, collateral damage and scarring for your patients.!

Pascal represents a quantum leap in ophthalmic treatment technology and is committed to helping you deliver effective results for your patients. Demanding ophthalmologists choose Pascal because of its speed and ease of use.

### Main characteristics

- Exclusive Precision Spots with Multi-Fiber Beam Technology
- Reduced power and short pulses produce less discomfort during treatment
- Rapid pattern scanning laser delivery
- Precise alignment and continuous laser pulse directed by high speed galvanometers
- Enhanced laser delivery slit lamp



1. Manish Nagpal et. al., "Comparison of laser photocoagulation for diabetic retinopathy using 532-nm standard laser versus multispot pattern scan laser." RETINA 30:452-458,2010



**CL-300, TRK-2P and KR-800:** Manufactured by Topcon Corporation  
**SOLOS:** Manufactured by Visia Imaging S.R.L

**CV-5000, CX-100XP and Chronos:** Manufactured by Topcon Corporation

**IS-100, IC-1, IS-600III, IS-1P:** Manufactured by Antoni Carles SA

**TRC-NW400, NW500, 3D OCT-1 Maestro2 and DRI OCT Triton:** Manufactured by Topcon Corporation

**SL-Series Slit Lamps:** Manufactured by Topcon Corporation

**MYAH and Henson 9000:** Manufactured by Visia Imaging S.R.L

**OMS-800:** Manufactured by Topcon Corporation

**Aladdin:** Manufactured by Visia Imaging S.R.L

**Pascal:** Manufactured by Iridex Corporation

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