

OPHTHALMIC Product Guide

Special Advertising Section

REVIEW[®]
of Ophthalmology

Dear Doctor,

Review of Ophthalmology is pleased to offer you this preview of many exciting new products now available in the ophthalmic marketplace. Here, you'll learn about innovative new medications, diagnostic instruments, corrective lens options, in-office laboratory equipment and many other products. There are two ways to obtain more information on a particular product:

1. Go to www.reviewofophthalmology.com, click Supplements, Product Guide digital edition, and then follow the prompts.
2. Circle the corresponding number on the enclosed reader service card for each product of interest. Fill in your name and address, and return the postage-paid card to us.

Educational materials will be sent directly to you by the individual companies.
Thank you for your interest and support!

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INTRODUCING REFRESH[®] REPAIR

Helps promote healing of the cornea and conjunctival epithelia, and improves visual performance in Dry Eye patients.

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Tea Tree Oil:

- Anti-bacterial, anti-microbial, anti-fungal

Coconut Oil:

- Anti-inflammatory, anti-bacterial, anti-microbial, anti-fungal

Blephadex[™] uses a preservative-free, all-natural patented formula of tea tree oil and coconut oil specifically designed for Blepharitis, MGD, Demodex and Dry Eye without any harmful chemicals or burning sensation. You're complete in office and at home treatment.



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- Ophthalmic ultrasound platform that is configurable to all your examination needs
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- Utilizes AC or internal rechargeable battery power for portability
- Contact and Immersion A-Scan modes
- UBM capabilities with ClearScan[®]
- Area, angle and length measurement and annotation tools
- Easy export video, image and PDF files for EMR/EHR use



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OPHTHALMIC

Product Guide

TOPCON ALADDIN BIOMETER / TOPOGRAPHER

The 9-in-1 Aladdin is a multi-functional instrument that combines a series of measurements to assist eye surgeons in the accurate calculation of IOL power. The built-in full Placido topography system offers all the additional diagnostic capabilities of any stand-alone topographer. New features of the Aladdin HW3.0 include Crystalline Lens Thickness, Central Corneal Thickness, ACD measured by Interferometry, Onboard Barrett and Olsen IOL Calculation Suites, and Abulafia-Koch Regression Formula for Toric IOL.

Circle No. 5



Topcon Medical Systems ▲ (800) 223-1130
newsgram.topconmedical.com/aladdintl

TOPCON CA-800 CORNEAL ANALYZER

The CA-800 Corneal Analyzer from Topcon gives you all the tools you need to accurately evaluate the anterior corneal surface. It features a Placido based corneal topographer that analyzes over 100,000 data points as well as meibomian gland imaging, dynamic pupillometry, tear film breakup, contact lens fitting and fluorescein video imaging. And, all this in an easy-to-use platform with an innovative 10.1" touch screen display.

Circle No. 6



Topcon Medical Systems ▲ (800) 223-1130
newsgram.topconmedical.com/ca800

TOPCON SL-D701 SLIT LAMP

The new SL-D701 Slit Lamp from Topcon features a bright and homogenous LED illumination source for enhanced observation of the eye structures. With its optional DC-4 Digital Photo Attachment, the SL-D701 can obtain clear and sharp still images of the eye as well as vivid color videos with remarkable resolution and detail. Basic EZ Capture software is provided with the DC-4 attachment. To further enhance the imaging results, the SL-D701 also features an optional BG-5 LED Background Illuminator that provides homogeneous adjustable illumination to the photographed areas of the anterior segment of the eye and allows for Meibomian gland observation and documentation.

Circle No. 7



Topcon Medical Systems ▲ (800) 223-1130
newsgram.topconmedical.com/sld701

TOPCON CV-5000S PHOROPTER

The CV-5000S Automated Phoropter sets new quality standards. The fast lens rotation provides comfort for both user and patient while the compact and contemporary design enhances the doctor's professional image. The CV-5000S provides a complete 21-point refraction and features the KB-50S One Dial Controller with a 10.4" color touch-screen display. Complete connectivity allows data to be sent automatically to every CV system throughout the office and populated automatically into the EMR, making paperless refraction a reality.

Circle No. 8



Topcon Medical Systems ▲ (800) 223-1130
www.topconmedical.com/products/cv5000s.htm

TOPCON TRC-NW400 NON-MYDRIATIC RETINAL CAMERA

The Topcon TRC-NW400 is a fully automated, easy-to-use, non-mydratic retinal camera that is designed to obtain high-resolution color images of the retina and the anterior segment of the human eye. It is equipped with automatic focusing and capture and a fully automated mechanism that moves the optical head from one eye to the other without operator intervention. The TRC-NW400 features a large 10" color touch screen and 9 internal fixation targets for wide-angle compositions of the retina. The TRC-NW400 can be used as a stand-alone unit or in conjunction with a remote server or EMR system. It is DICOM compliant and also available with the optional Topcon IMAGEnet digital imaging software.

Circle No. 9



Topcon Medical Systems ▲ (800) 223-1130
newsgram.topconmedical.com/trcnw400

TOPCON KR-1W WAVERONT ANALYZER

The 5-in-1 KR-1W Wavefront Analyzer from Topcon combines wavefront aberration, corneal topography, auto-refraction, keratometry, and pupillometry all in one unit! The system is extremely easy to operate, featuring auto alignment and measurement, a large color touch screen, and invisible light measurement for added patient comfort. The onboard evaluation software with multiple map displays provides valuable pre- and post-op data for cataract and refractive procedures. The system is fully networkable in various configurations.

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Topcon Medical Systems ▲ (800) 223-1130
www.topconmedical.com/products/kr1w.htm

OPHTHALMIC

Product Guide



PICTOR PLUS
PORTABLE
 Ophthalmic Camera

Circle No. 11

Easily screen patients inside or outside of your practice with the hand-held Pictor Plus.

- Improves Patient Care
- Simple Workflow Integration
- Maximum Portability
- Pays for Itself

MODULES

- Retina
- Anterior Segment
- Fluorescein Angiography

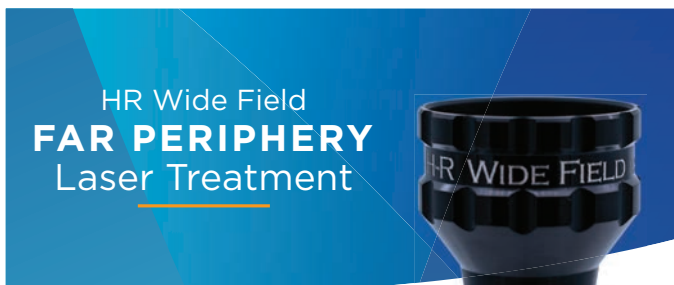


NEWLY REDESIGNED
MERLIN[®]
 for Non-Contact Vitrectomy

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Precise Alignment
 for Non-Contact Vitreoretinal Visualization

- Compact Design Maximizes Working Space
- Experience Volk's Superior Image Quality Through Your Oculars
- Wide-Angle & High Magnification Lens Options Provide Visualization Flexibility



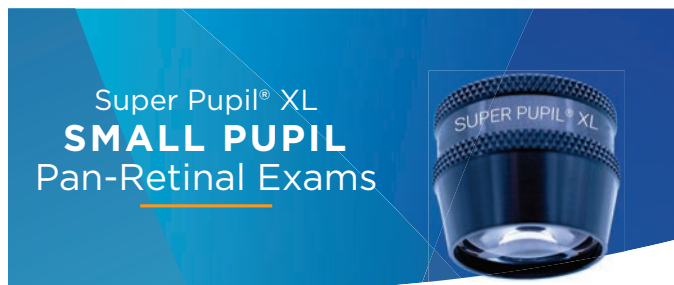
HR Wide Field
FAR PERIPHERY
 Laser Treatment

Circle No. 13

SPECIFICATIONS

160° / 165° **0.5x** **2.0x**
 FIELD OF VIEW IMAGE MAG LASER SPOT

- Widest Field of View Available, out to the Ora Serrata
- Excellent for PRP & Laser Treatment in the Periphery
- Double Aspheric Design Minimizes Distortion



Super Pupil[®] XL
SMALL PUPIL
 Pan-Retinal Exams

Circle No. 14

SPECIFICATIONS

103° / 124° **0.45x** **2.2x**
 FIELD OF VIEW IMAGE MAG LASER SPOT

- Small Pupil Capability Down to 1 - 2 mm
- Ideal for Diabetic Patients with Miotic Eyes
- Excellent for Undilated Retinal Screening



TOPCON 3D OCT-1 MAESTRO

The Topcon 3D OCT-1 Maestro System delivers a new standard of clinical utility by combining a high resolution color non-mydratric retinal camera with the latest Spectral Domain OCT technology. The rotating touch panel and fully automated (alignment, focus and capture) operation make the 3D OCT-1 Maestro the perfect diagnostic solution for even the smallest clinical practice. The Maestro features 50K A Scans/sec and a 12mm x 9mm scan along with automated segmentation, that provides measurement and topographical maps of the optic nerve and macula with Reference Database in one scan.

Circle No. 15



Topcon Medical Systems ▲ (800) 223-1130
newsgram.topconmedical.com/maestro

TOPCON PASCAL[®] PATTERN SCANNING LASER SYSTEMS

The Topcon PASCAL[®] Pattern Scanning Laser Systems are renowned for their precision, ease of use and enhanced patient comfort. The PASCAL[®] method of photocoagulation allows physicians to control the precision, safety and efficiency of the laser procedure, while optimizing patient comfort and convenience. New offerings include the PASCAL Synthesis Series with Endpoint Management software and the PSLT module, available as an optional accessory on PASCAL Streamline, Synthesis and TwinStar lasers, for tissue sparing treatment of open angle glaucoma

Circle No. 16



Topcon Medical Systems ▲ (800) 223-1130
pascalvision.com/system

OPHTHALMIC Product Guide

Phoroptor® VRx Digital Refraction System

**The most advanced Phoroptor® ever.
Made in USA with only premium components.**

Featuring the thinnest, most compact design, incredibly fast lens exchanges, motorized prisms, split cylinder lenses, and ultra-quiet operation, **Phoroptor® VRx** sets new standards in refraction. The ergonomic keypad features a multi-function control knob with unmatched feel and versatility, while the intuitive touch-screen interface has all the pre-programmed and programmable tests you'll need.

Phoroptor VRx boasts effortless integration with EMR systems, and unlike other digital refraction systems, is compatible with a comprehensive list of pre-test and acuity devices from both Reichert® and other leading manufacturers.

Made in the USA 

Circle No. 17



AMETEK®

Ultramatic RX Master™ Phoroptor®

Since 1921, the unmistakable feel of quality.

The original and world's finest refracting instrument. Phoroptor continues to be the industry standard after more than 90 years, offering its renowned mechanical quality and craftsmanship, optical quality, accuracy, and reliability.

Reichert **Ultramatic RX Master Phoroptor** and **Ultramatic RX Master Illuminated Phoroptor** are the only refracting instruments completely designed and manufactured in the United States. Each Phoroptor is made of 1,000 pieces, assembled by hand in our Buffalo, New York factory.

Ultramatic RX Master Illuminated Phoroptor features a patented, maintenance-free, cool-running, energy-efficient LED design.

Made in the USA 

Circle No. 18



AMETEK®

ClearChart® 4 Digital Acuity Systems

Pixel-perfect and purpose-built.

The all-new family of ClearChart® Digital Acuity Systems are elegant, all-in-one, simple-to-use, and uniquely designed to meet all of your acuity testing needs with a wide selection of optotypes, and other special test charts.

The **ClearChart 4** Digital Acuity System, **ClearChart 4X** Enhanced Digital Acuity System, and **ClearChart 4P** Polarized Digital Acuity System all feature a new 24 inch, high resolution, LED backlit display that are lightweight, cool running and long-lasting. The intuitive user interface provides the best user experience of any digital acuity chart.

Made in the USA 

Circle No. 19



AMETEK®

VisionChek™ Digital Exam Suite

The elements of refraction, featuring SightChek™ Digital Phoroptor®.

The all-new Reichert® **VisionChek™** Digital Exam Suite combines technology, simplicity, and value at the core of your exam, from the brand you've come to rely on most in refraction – Reichert! VisionChek includes all the options to get an entire digital exam lane up and running.

VisionChek Digital Exam Suite features:

SightChek™ Digital Phoroptor®

AcuityChek™ Digital Acuity Chart

OptoChek™ Plus Auto Refractor + Keratometer

LensChek™ Plus Digital Lensometer®

LensChek™ Pro Digital Lensometer® with PD + UV

Circle No. 20



AMETEK®

LensChek™ Pro and LensChek™ Plus Digital Lensometers

The elements of refraction. Combining technology, simplicity, and value.

The all-new **LensChek™ Pro** Digital Lensometer® with PD+UV and **LensChek™ Plus** Digital Lensometer® combine technology with simplicity at the core of your exam.

The new, compact, modern design and intuitive user interface offers the easiest lensmeter user experience available. For example, when the target is aligned with the correct optical center, readings can be automatically "locked-in" ensuring fast, repeatable, and reliable lens measurement. Both devices feature a brilliant 5.7 inch color LCD display.

LensChek Pro additionally features UV transmittance and PD measurement.

Circle No. 21



AMETEK®

OptoChek™ Plus Auto Refractor + Keratometer

The elements of refraction. Combining technology, simplicity, and value.

The all-new **OptoChek™ Plus** Auto Refractor + Keratometer, combines technology with simplicity at the core of your exam. The compact, modern design, and intuitive user interface of the OptoChek Plus offers the easiest user experience available for measuring objective spherical and cylindrical refractive errors as well as keratometry.

An innovative reliability index gives you confidence in obtained readings. Scotopic Pupil Size and Photopic Pupil Size modes adjust illumination to accommodate different lighting conditions. OptoChek Plus features a brilliant 5.7 inch color, touch LCD display, data output options, and a measurement range of Sphere: -30 D to +22 D, Cylinder: 0 D to ±10 D, Axis: 0° to 180°.

Circle No. 22



AMETEK®

OPHTHALMIC

Product Guide

Ocular Response Analyzer® G3

Corneal Hysteresis: A more objective predictor of glaucoma progression.

Provide a more confident glaucoma risk assessment and a more personalized treatment approach.

Ocular Response Analyzer® is the only device that measures Corneal Hysteresis, a superior predictor of glaucoma progression. Corneal Hysteresis has consistently shown to be predictive of, or strongly associated with, glaucoma progression, and more powerfully so, than key indicators such as IOP and CCT.

CPT® Code 92145 for Corneal Hysteresis

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CPT is a registered trademark of the American Medical Association



Reichert® 7CR and Reichert® 7

Non-contact Tonometers

The most advanced and the easiest to use.

In 1972, Reichert invented the non-contact tonometer (NCT), and after 45 years continues to offer the most accurate, trusted, and complete line of NCTs.

From the effortless one-button simplicity of Reichert® 7 to the clinically advanced Reichert® 7CR, which provides Corneal Compensated IOP (IOPcc), Reichert has a non-contact tonometer that suits your needs.

Made in the USA 

Circle No. 24



Tono-Pen®

Handheld Applanation Tonometers

Reichert® Tono-Pen® is the standard for handheld applanation tonometers, trusted by clinicians for over 30 years.

The advanced Tono-Pen AVIA® tonometer requires no daily calibration and is always ready-to-use. The ergonomic design and dual-sided displays make it ideal for left or right handed use. Tono-Pen is less sensitive to corneal centration, ensuring fast and accurate IOP measurements with minimal training.

Protect your Tono-Pen and patients with genuine, FDA cleared Reichert® Ocu-Film® + Tip Covers.

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Circle No. 25



Ocu-Film® + Tip Covers

Tono-Pen® Tip Covers

Protect your Tono-Pen® Handheld Tonometer and your patients!

Genuine brand Ocu-Film + Tip Covers protect your Tono-Pen tonometers from dust and fluids, and help protect patients from the risks of cross contamination. Ocu-Film + Tip Covers are sanitized, easy to apply, and are the only Reichert® approved tip covers for use with Tono-Pen® Tonometers. The disposable, single use blue tip covers are available individually packaged in boxes of 150 or bulk packs of 600.



Circle No. 26



iPac®

Handheld Pachymeter.

Intuitive, inspired pachymetry.

Reichert® iPac® is the most feature-rich handheld pachymeter available. It offers Bluetooth® wireless connectivity, one-button navigation, a rotating color LCD screen, and a rechargeable lithium-ion battery.

iPac is backed by an industry-leading three-year warranty.

Made in the USA 

Circle No. 27



Xcel® Slit Lamps

Xcel® 455 and Xcel® 255

Where performance and value converge.

The Xcel® family of slit lamps offer high quality optics for image clarity and detail. Engineered for easy and smooth maneuverability, Xcel® Slit Lamps come in two traditional designs with 3 or 5 times magnification (within the range of 6X, 10X, 16X, 25X, and 40X) and multiple filter options including neutral density.

Reichert® CT100 and CT210 contact applanation tonometers are available to complement your choice of slit lamp.



Circle No. 28



OPHTHALMIC

Product Guide



STEREO OPTICAL

STEREOTESTS AND COLOR TESTS

Gold Standard

- Original Stereo Fly
- Randot®
- Stereo Butterfly
- **NEW** Fly, Randot, and Butterfly stereotests including LEA Symbols
- Original Ishihara Color Tests: 14, 24, or 38 plates



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www.StereoOptical.com

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STEREO OPTICAL

FUNCTIONAL VISION ANALYZER

Contrast Sensitivity Testing for Vision Quality Evaluation

- Ideal for pre- and post-op cataract, refractive surgery and clinical trials
- Optional software to illustrate real-world image of patient results



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www.StereoOptical.com

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STEREO OPTICAL

OPTEC® 5000 SERIES VISION SCREENERS

Comprehensive vision screening in minimal time in a controlled environment

- Quick, repeatable and accurate
- Lightweight and portable
- No training or certification needed
- The 5000P and 5500P include a peripheral test.



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STEREO OPTICAL

OPTEC® PLUS SMART VISION SCREENER

Pretesting to save valuable time in the exam room

- Comprehensive library of tests
- Easy-to-use interface
- Randomized tests and customizable protocols
- Auto-mode to allow for self-administration
- Digital recording of results



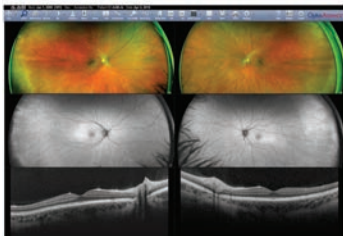
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Introducing...
Monaco



The **ONLY** Ultra-widefield Retinal Imaging Device with Integrated OCT



6 image, multi-modal view, including **optomap color**, **optomap af**, and OCT - in less than two minutes

Unparalleled 200° ultra-widefield retinal imaging with 40° OCT

- Ultra-widefield **optomap** images and five OCT scan types
- Color, AF, and OCT images shown in a single, comprehensive view
- Fast, comfortable image acquisition improves clinic flow

Put **Monaco** in your practice BDS@optos.com – 800-854-3039

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CLEAR EYES PURE RELIEF® FOR DRY EYES

- Preservative free dry eye relief without inconvenient single-use vials
- Built-in purifying filter eliminates the need for preservatives
- Unique, glycerin-based formula contains sodium hyaluronate for advanced comfort (Does not contain vasoconstrictors)
- Multi-dose bottle is preferred by patients 2 to 1 over individual vials
- Available over the counter



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Clear Eyes ▲ Cleareyes.com/professionals
(877) -274-1787

OPHTHALMIC

Product Guide

AKR 550 AUTO KERATO-REFRACTOMETER

> Outstanding refractive measurement with quick and simple operation

- High-accuracy measurement on even small pupils
- Guided alignment that automatically starts measurement when pupil is focused
- Pupil size measurement in scotopic and photopic light conditions
- Screen tilts and swivels for comfort when seated or standing
- Automatic data transfer to APH 550



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Optometry



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email: info@essilorinstrumentsusa.com
www.essilorinstrumentsUSA.com

APH 550 AUTOMATIC PHOROPTER

> High-end automatic phoropter for speed, precision and comfort in every refraction situation

- Highly-intuitive, easy-to-use touch screen control
- Customizable test sequences
- Easy data transfer from lensmeter to streamline exam
- Compare prescriptions in 2 clicks to speed final check
- Quiet and high speed rotation disk for optimal patient comfort



- Integrated printer
- Keyboard panel
- Tilttable touch screen

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Optometry



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AKR 750 AUTO KERATO-REFRACTOMETER

> Fast, accurate and fully automatic : an ideal solution for delegating patient measurement

- One-touch button measuring process for both eyes
- Ultra-precise measurement for even small diameter pupils
- Auto and manual measurement modes available
- Wide range of measures including peripheral keratometry with eccentricity
- Large 7.5" tilting screen for easy operation
- Automatic data transfer to APH 550



■ Unique "scanning window" with smooth and silent movement to create comfortable and stress-free exam atmosphere



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RETINA 400 FUNDUS CAMERA

> Simple and flexible solution for high definition retinal imagery

- Non-mydratric retinal camera
- High resolution sensor and wide field of vision
- Intuitive software including automated operations
- Independent screen to facilitate the sharing of results
- Flexible and adaptable to different practice configurations



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Optometry

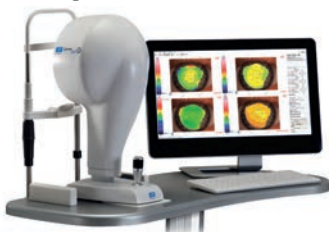


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CORNEA 550 CORNEAL TOPOGRAPHER

> Specially designed for contact lens fitting and dry eye analysis

- High-resolution color camera
- Wide array of graphic representations
- Large contact lens database and autofit function
- Advanced qualitative and quantitative tear film assessment
- Dynamic and static capture pupillometry
- Independent screen to facilitate the sharing of results



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Optometry



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SL 500L / SL 550L DIGITAL SLIT LAMP

> Professional solution for complete eye examination

- High quality optics and cutting-edge LED illumination
- 5 magnification levels
- Wide range of filters : cobalt blue, green, red, neutral density
- Integrated yellow filter and background illumination
- HD Digital camera DS 550 (optional)

Range of filters



Magnifications



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OPHTHALMIC

Product Guide

High-Definition Portable B-Scan

B-Scan Plus®:

- Superior 0.015mm image resolution with distortion-free zoom up to 2x
- 12 useful measuring calipers as well as fully adjustable gain-control before, during, or after a scan
- Adjustable video loops and easy data transfers including EMR, DICOMSM, and .PDF reporting



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One Easy-to-Use Platform

4Sight®:

- Combines A-Scan®, UBM®, B-Scan®, and Pachymeter® into one platform
- Easy data transfer between modalities, including DICOMSM, for higher patient throughput
- Unsurpassed accuracy and image quality



Circle No. 42

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The Best of Both Worlds

AccuPen®:

- Portable handheld tonometer with a micro strain gauge that provides precise IOP measurements with minimal calibration needed

PachPen®:

- Portable handheld pachymeter with a 65 MHz sampling rate that ensures precise measurements
- Digital signal analysis eliminates the need for calibration and only takes readings when properly aligned



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Efficiency Is Key

A-Scan Plus Connect®:

- Automatic EMR exports with DICOMSM – Decreases examination time and increases patient throughput
- Icon-based software with easy-to-use interface
- Wide variety of IOL and post-refractive formulas
- Unrivaled customer support



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Less Is More

Pulsair Desktop Tonometer:

- Accurate and easy to use
- Smallest footprint
- Economically priced



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The Standard In Cryo-Surgery

Keeler Cryomatic MKII:

- Cryosmart technology – self-adjusts the optimal operating parameters for any given probe
- Choose from disposable probes or a series of reusable probes
- Ease of use – fast-freeze and defrost
- No manual adjustments, easy setup



Disposable probe



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Product Guide

Digital Slit Lamps In Any Style

- Keeler Optics
- Choose from a variety of Keeler Certified add-ons
- 3 step drum (10x, 16x, 25x)
- 5 step drum (6x, 10x, 16x, 25x, 40x)
- Your choice of image capturing software



Circle No. 47

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KSL-H Slit Lamp

- Keeler Optics
- Choose from analog, digital ready, or digital
- 3 step drum (10x, 16x, 25x)
- 5 step drum (6x, 10x, 16x, 25x, 40x)
- Keeler Certified 3rd party accessories available for digital slit lamps



Circle No. 48

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KSL-Z Slit Lamp

- Keeler Optics
- Choose from analog, digital ready, or digital
- 3 step drum (10x, 16x, 25x)
- 5 step drum (6x, 10x, 16x, 25x, 40x)
- Keeler Certified 3rd party accessories available for digital slit lamps



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Portable Slit Lamps

PSL Classic (left):

- Keeler Optics
- 10x // 16x magnification
- Docking station and direct inline charging

PSL One (right):

- Keeler Optics
- 10x magnification
- Direct inline charging



Circle No. 50

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Little Indirect, Bigger Benefits

Spectra Iris:

- Portable and convenient
- Lightweight and comfortable
- LED long lasting white illumination
- Adjustable aperture
- Stylish, comfortable, attractive frame



Circle No. 51

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Vantage Plus Convertible & All Pupil II Convertible

- Interchangeable LED or xenon illumination
- Lightweight Slimline lithium polymer battery
- Wide range of filters and apertures
- Exclusive to Vantage Plus:
 - Intelligent Optics
 - HiMag™ lens: additional 1.6x magnification allows for superb stereoscopic images



Vantage Plus



All Pupil II

Circle No. 52

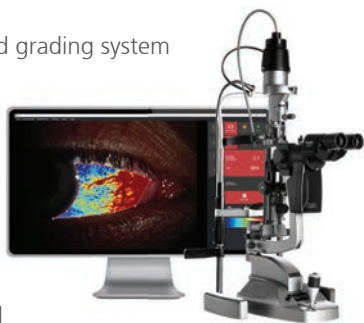
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OPHTHALMIC

Product Guide

AOS Anterior Software

- Easy-to-use automated grading system
- Analyzes bulbar redness, ocular surface, corneal staining, and lid roughness
- Compatible with Windows 7+
- Works with any digital anterior lamp, smart-phone adaptor, and digital camera adaptor



AOS | ADVANCED OPTHALMIC SYSTEMS

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Pharmaceuticals and Supplies

- Superior customer service
- Extensive product range
- Quarterly and weekly specials
- Competitive pricing
- Fast shipping



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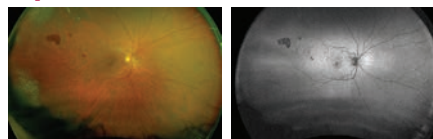


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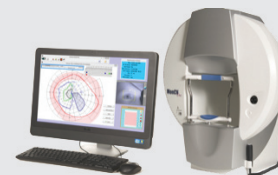
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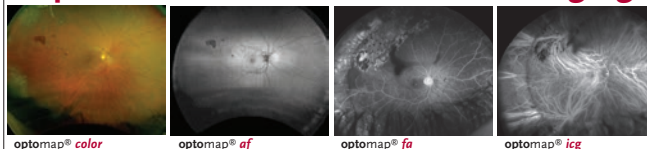
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NEW MARCO ULTRA M SERIES OF SLIT LAMPS

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Other stand-out features include:

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- Larger, 14 mm continuously variable aperture
- Fully integrated, low-voltage electronics conceals all hardware
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MARCO TRS-5100 DIGITAL REFRACTION SYSTEM

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- Reduce Refraction Time
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