

ESSILOR PRODUCT GUIDE





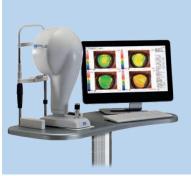














THE RIGHT CHOICE FOR EYE CARE PROFESSIONALS



ABOUT ESSILOR

ESSILOR INSTRUMENTS IS A LEADER IN THE DEVELOPMENT OF MODERN **SOLUTIONS AND TECHNOLOGIES FOR EYE CARE PROFESSIONALS** THROUGHOUT THE WORLD.

OUR GOAL IS TO **PROVIDE TO OUR CUSTOMERS THE EQUIPMENT** AND THE SERVICE THAT WILL MEET THEIR BUSINESS NEEDS AND WILL HELP THEM **BUILD A TRUSTFUL RELATIONSHIP WITH THEIR PATIENTS**, THANKS TO A THOROUGH UNDERSTANDING OF LOCAL BUSINESS NEEDS AND OF EACH PRACTICE AREA, AS WELL AS OUR WORLDWIDE PRESENCE.

WITH **CONSTANT INNOVATION** FROM OUR R&D TO MEET THESE CHALLENGES, WE HAVE REACHED A **WORLDWIDE LEADING POSITION** IN SEVERAL CATEGORIES SUCH AS FINISHING, REFRACTION AND DIAGNOSTIC EQUIPMENT, VISUAL SCREENING, PD MEASUREMENT OR TOOLS AND CONSUMABLES TO MEET YOUR DAILY EXPECTATIONS.

BEST FULL **SERVICE**QUALITY & PERFORMANCE OF **PRODUCTS WIDE RANGE** OF PRODUCTS WORLDWIDF **PRESENCE**

A RANGE THAT COMBINES STATE-OF-THE-ART TECHNOLOGY TO:

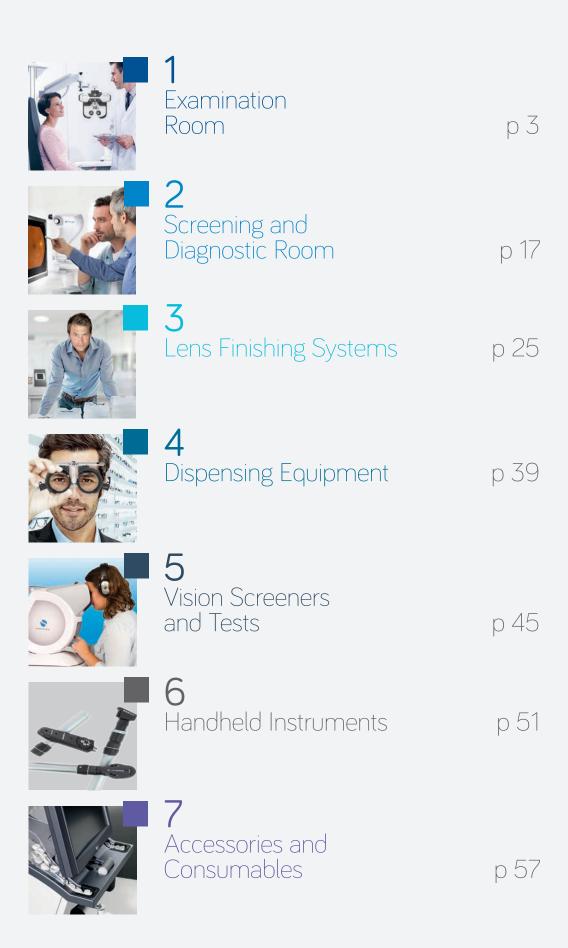








HIGHLIGHT YOUR EXPERTISE





1 Examination Room

Whether you are performing **comprehensive optometric tests** or focusing on **prescription checks**, you can choose the appropriate function level and be sure of reliable measurements, even in the most complex cases.

• Phoropters	p 2
Chart systems	p 7
Digital slit lamps and cameras	p 8
Classic slit lamps	p 9
Applanation tonometers	p 10
Chair glide and mover	p 1
• Exam chairs and stand	p 12
Examination tables and stools	p 14

VISION-S™ 700 REFRACTION STATION

- >Space saver and game changer with speed and accuracy built on exclusive innovation
- Standalone, ultra-compact tabletop subjective refraction unit
- Patented Digital Infinite Refraction method and exclusive optical module
- High degree of accuracy with rapid 3-minute refractions
- Concentrates a complete refraction experience into an immersive station
- Unique refraction experience that can potentially drive traffic, differentiate the practice, facilitate the discussions about complimentary pairs, and transform the overall business potential





VISION-R™ 700 REFRACTION SYSTEM

- > Accelerate refraction without compromising on accuracy
- Patented optical module
- Full refraction in 3 minutes with Smart programs and algorithms, simultaneous compensation, continuous lens power, and vertex distance measurement
- Compact design and silent lens changes, a wider field of vision, multiple final comparisons, and minimal visual fatigue
- A patient-specific, guided process from start to finish



VISION-R™ 800 REFRACTION SYSTEM

- > Entering a new era of refraction:
 Give your patients the best of their vision
- Patented optical module allowing for instant focus and exact refraction, delivered by measurements up to 0.01D
- Refraction performed with "Smart Tests" unique algorithms to optimize the exam
- Comfortable experience for the patient due to smooth, continuous power changes
- Results presented in simulated real-life conditions to enhance patient confidence.



5

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



MPH 150 MANUAL PHOROPTER

- > Benchmark manual refractor
- Flexible and high quality mechanical design
- Large range of lenses and filters
- Convergence mechanism for near vision examination
- Available in black and plus-cylinder models



VISION-C 600

- 24" Polarized LCD screen
- Sleek look and feel
- Wide range of tests
- Ergonomic control
- Customizable
- Multiple setup options



CS 550

- 19" LCD screen with Red and Green charts
- Contrast and color tests
- Customizable slideshow
- Easy connection to APH 550
- Very intuitive menu
- Remote Control with integrated panel
- Projection distance: 2 to 6m



CP 550

- 50 charts Type A or B optotypes
- Fast, quiet disk rotation
- Long-lasting LED light illumination
- Projection distance: 2 to 7m



SL 650/SL650 + DIGITAL SLIT LAMP

AND CAMERA

> Superior image quality. Simply captured. Outstanding patient management

With the SL650 digital slit lamp, easily take high-resolution images and videos for better patient management.

Thanks to its smart design and powerful software, analyze and compare several images of the anterior and posterior chamber; monitor pathologies; and examine the patient's Meibomian glands for a complete and hasslefree eye assessment.







■ SL 650

■ SL 650+

SL 350 / SL 450 SLIT LAMP

- > All the essentials for eye exam
- Galilean binocular optical system
- \bullet Tilt tower up to 20°
- Easy selection of magnification by rotating drum
- Continuous adjustment of slit aperture
- Standard filters: thermal safety, cobalt blue and green (red-free)
- Halogen or LED illumination source
- Easy installation with integrated metal plate



■ SL 350

■ SL 450

Range of filters















(40x) SL 450



SL 300 / SL 400 SLIT LAMP

- > Compacity and ergonomy
- Galilean binocular optical system
- Compact model Zeiss type
- Easy selection of magnification by rotating drum
- Continuous adjustment of slit aperture
- Standard filters: thermal safety, colbalt blue and green (red-free)
- Halogen or LED illumination source
- Easy installation with integrated metal plate

■ SL 300

■ SL 400

Range of filters









Magnifications

















9

Ideal solution for reliable and repeatable applanation tonometry

DAT 500 T/R/Z TONOMETER

- > The most common and direct method of assessing intraocular pressure
- Made with precise machined components to stringent quality and to add more reliability and repeatability to an established technique
- The take away T type DAT is fitted to the guide plate on the optical axis for the microscope and illumination unit arm
- The fixed R type is mounted on a post fitted to the microscope optical body
- The Z type DAT fits directly to the optics support arm



■ DAT 500 R



■ DAT 500 T



■ DAT 500 Z

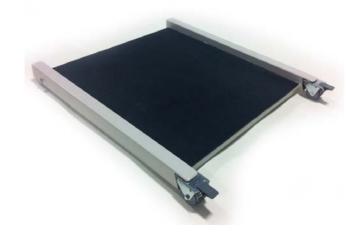
1000 CHAIR GLIDE

- > It will move back 27 inches with very little effort allowing the space required to roll in a wheelchair.
- Stainless steel base
- Works on any floor surface
- Heavy-duty stop mechanism
- Steel carriage
- Steel rollers



1550 CHAIR MOVER

> Designed as a lower cost option and for rooms that are really quite small. Using this method, the chair needs to be unplugged from the stand and can be rolled out of the way, even across the room in front. This will accommodate rooms where the space does not allow a glide installation.



Flexibility, reliability and comfort for your patients

RELIANCE 6200

- > Efficient operation from any angle
- Efficient operation from both sides of the chair
- Manual pneumatic-assisted recline examination chair to table position
- Power hydraulic lift raises patient smoothly
- A recline bar, reachable from both sides of the chair top, activates the counterbalanced recline



RELIANCE 520

- > Stylish assisted recline tilt chair
- Arms rotate upwards so patients can easily climb into the chair from either side
- Upholstered armrests for comfort
- Recline bar, easily grasped from both sides of the chair, controls the assisted recline of the chair to the maximum angle of 40 degrees
- Release bar located on chair back with chair base controlled by footswitch
- Dual-rotation locks allow you to rotate chair 360 degrees from a single position.
- CSA, C/US Certificate of Compliance
- Custom design of the chair color



RELIANCE 7900 STAND

- > Sleek design for maximum patient access
- This contemporary instrument stand uses the same polycarbonate used on supersonic aircraft to resist scrapes, scratches, and scuffs. A unique injection molding process creates a unique color and noteworthy style.
- The Model 7900 is CSA certified to the International Electrical Standard IEC 60601-1 for general safety standards and UL certified to IEC 60601-1-2 for EMC, assuring compliance to International Standards and its quality and safety for you and your patients.
- This model is available with instrument wells (IC) or without (NC).





13 Examination Room ■

EXAMINATION TABLES AND STOOLS

>Ideal solutions to complete your practice installation

■ TAB 1000

• Motorized table for 1 instrument

• Table size: 20" x 20"

• Maximum load: 265 lbs

• Min Height: 27"

• Max Height: 35.5"

• Compact column base with wheels



■ TAB 2000

• Motorized table for 2 instruments

• Table size: 20" x 32"

• Maximum load: 265 lbs

• Min Height: 27"

• Max Height: 35.5"

• Compact Column base with wheels



■ TAB 3000 / TAB 3500

- Motorized table for 3 instruments
- Table size: 20" x 42" Rectangular shape 24" x 46" Curved shape
- Maximum load: 265 lbs
- Min Height: 27.5"
- Max Height: 36"
- Wheelchair and flexible positioning column with wheels



■ TAB 4000 / TAB 4500

• Motorized table for 4 instruments

Table size:
20" x 56" Rectangular shape
28" x 57" Curved shape

• Maximum load: 265 lbs

Min Height: 27.5"Max Height: 36"

• Wheelchair and flexible positioning column with wheels



■ TAM 3000

- Smooth silent movement
- Wheelchair accessible
- Clean, stylish design
- Powerful lift mechanism

■ 1070GT

- Five legs with durable caster and black base
- 14.5" diameter and 3" thick round seat in high-density foam
- Pneumatic cylinder adjusts height from approximately 20" to 28"

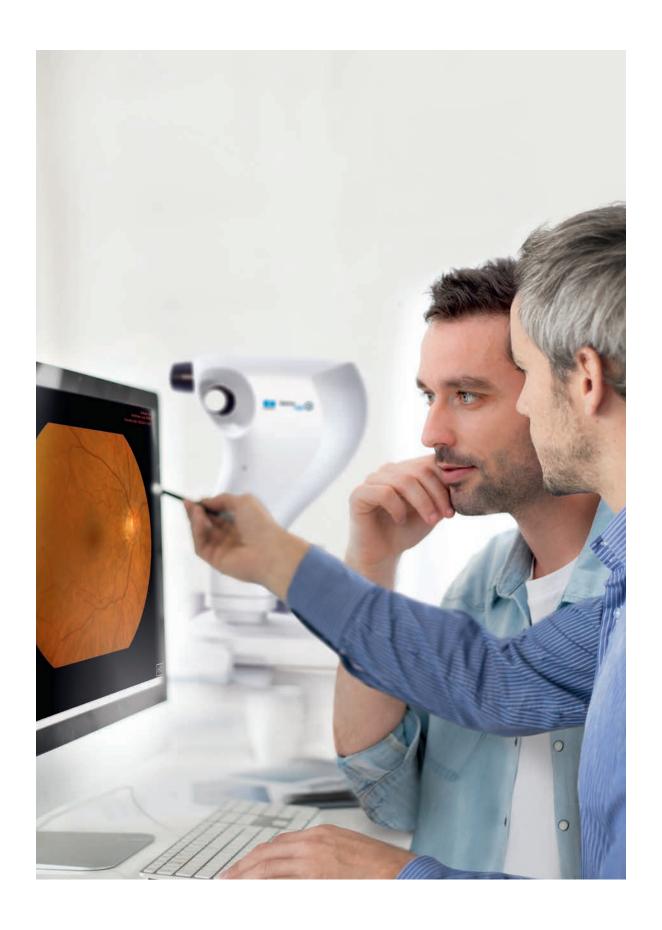




■ 1060GTC

- Comfortable back support
- Five legs with durable caster and black base
- 14.5" diameter and 3" thick round seat in high-density foam
- Pneumatic cylinder adjusts height from approximately 20" to 28"





2 Screening and Diagnostic Room

To further enhance your expertise from refraction to the diagnoses of eye conditions, Essilor Instruments provides advanced solutions to improve your unique practice with your patients.

Auto kerato-refractometers	p 18
Non-contact tonometers	p 19
Corneal topographer	p 20
Wavefront aberrometer	p 2*
Optical coherence tomographer	p 22
• Lensmeters	p 23

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



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



REICHERT TONO-PEN AVIA® Handheld Applanation Tonometer

- > The most advanced Tono-Pen yet, always ready to use
- No calibration required
- Award-winning ergonomic design
- Simple one-button operation
- Less sensitive to corneal centration
- Technician-friendly

- Can be used in any positio
- Large dual-sided screens
- Long-life battery
- ADA eligibility
- Made in the U.S.A.



REICHERT® 7 Auto Tonometer

> The most user-friendly non-contact tonometer

Reichert 7, Reichert Technologies' seventh-generation non-contact tonometer, is the most user-friendly NCT ever. With a number of new features, including an easy-to-navigate touch screen interface and multiple-measurement mode, Reichert 7 will be a welcome addition to your practice. The totally automated operation results in error-free measurements and high patient throughput. It provides measurement speed and simplicity without sacrificing accuracy.



REICHERT® 7CR Auto Tonometer + Corneal Response Technology®

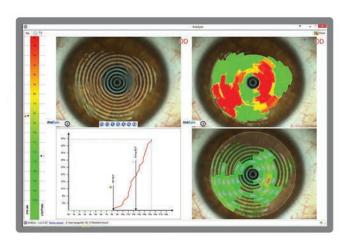
> The "Glaucoma Tonometer" with Corneal Response Technology and IOPcc

The Reichert 7CR from Reichert Technologies utilizes a patented bi-directional applanation process to characterize the biomechanical properties of the cornea and reduce their impact on the IOP measurement. This measurement, referred to as Corneal Compensated IOP (IOPcc), is minimally affected by corneal visco-elastic properties, thickness, or surgical procedures such as LASIK or PRK. As such, IOPcc is a better indicator of glaucoma risk than other methods of tonometry, including Goldmann Applanation. As a result, the Reichert 7CR is more clinically valid in all subjects.

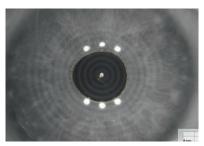


CORNEA 550 CORNEAL TOPOGRAPHER

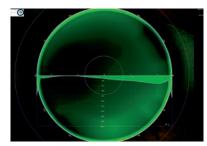
- > Specially designed for contact lens fitting and dry eye analysis
- High-resolution color camera
- Wide array of graphic representations
- Large contact lens database and autofit function
- Advanced qualitative and quantitative tear film assessment
- Dynamic and static capture pupillometry
- Independent screen to facilitate the sharing of results
- Newly-enhanced AnaEyes software to provide one graphical summary report







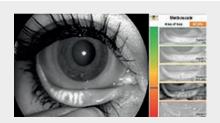




Autofit function

SIMPLE AND PRECISE TEAR FILM EVALUATION

- Automatic and non invasive tear film break-up time
- Infrared illumination to prevent patient glare
- Easy-to-understand color graphics
- Meibography with color scale enabling evaluation of gland loss



WAM800 WAVE ANALYZER WAVEFRONT ABERROMETERS

> Fully-automatic screening solution for a complete eye physiology analysis and visual needs assessment

WAM 800 is a very intuitive, rapid and fully-automatic wavefront aberrometer that combines several technologies to enable the eye care professional to provide a comprehensive screening of the eye in less than two minutes.

- Glaucoma screening and monitoring
- Keratoconus detection
- Cataract screening
- Myopia control
- Patient vision simulation
- Eye strain and near-vision assessment
- Virtual workstation available
- Efficiency in optical environments



OCT™500 OPTICAL COHERENCE TOMOGRAPHER

>Optical coherence tomography (OCT) with integrated fundus imaging

The OCT 500 is the most user-friendly OCT on the market due to its fully-automatic function. With one touch on the screen, eye focus, optimization, and image capture are performed automatically. After capturing, the report can be displayed immediately by clicking on a single icon.

- Superb OCT technology ready for delegation
- Fully-automated operation with follow-up scan function
- True-color fundus photography
- Extended range of analysis function for the pupil and macula
- Compact and space-saving design
- Network and DICOM connectivity



ALM 800 AUTOLENSMETER

- > AUTOLENSMETER Unique combination of the latest lensmeter technologies
- UV transmission measurement
- Unique quantification and display of harmful blue light
- Interpupillary distance measurement
- · Guided and automated prism marking
- Ergonomic use
- Data transfer to automatic phoropters and/or patient management software (EMR/EHR/PMS)

ALM 700 AUTOLENSMETER

- > Intuitive and practical autolensmeter for rapid and accurate measurement
- Measurement technology using the green light beam
- Lens support adapted to all lens and frame curves
- Measurement of UV transmission
- Measurement of inter-pupillary distance
- Ergonomic design with titling color screen
- Data transfer to automatic phoropter

ALM 500 AUTOLENSMETER

- > Measurement of all types of lenses and frames
- Measurement technology using the green light beam
- · Lens support adapted to all lenses and frames cambers
- Ergonomic design with titling color screen
- Built-in printer
- Data transfer to automatic phoropter

32-AXIS221 Manual Lensmeter

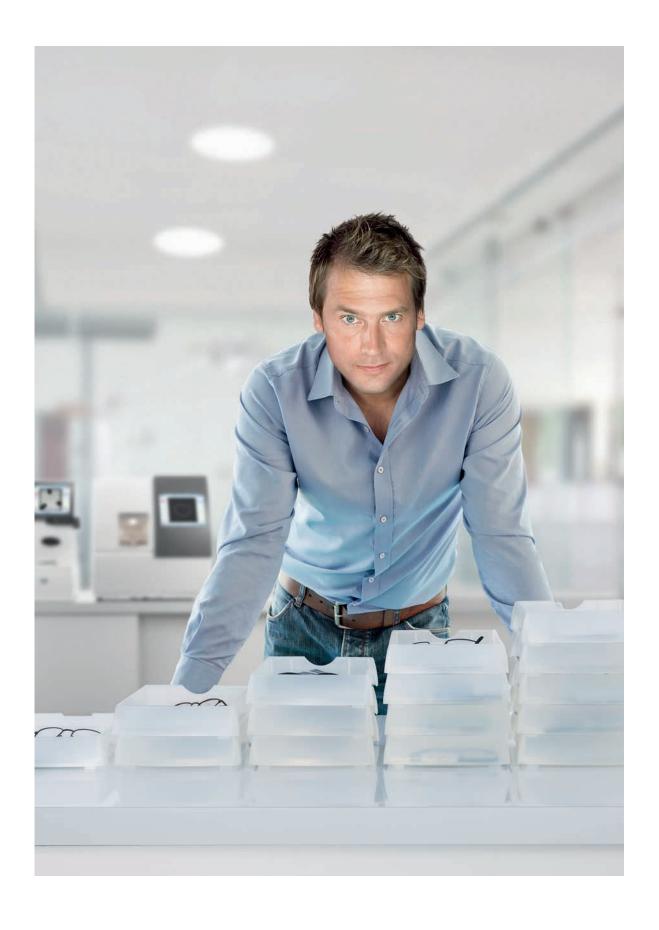
- > Outer-reading lensmeter handmade to the highest standards
- · Superior-quality optics
- LED light source
- Prism compensation
- · User-friendly design
- · Large ergonomic knobs clearly marked for ease of use











3 Lens Finishing Systems

Provide best-in-class technologies for your workshop.

As you are dedicated to provide the best products and services to your patients, Essilor Instruments is committed to developing the best-in-class technologies to secure accurate, aesthetic and perfectly-fitted mounting.

Our systems give access to different levels of finishing, speed, range of shapes, and automatisms. They have also been designed to be networked to answer different workshop organizations and secure in-practice data exchanges.

Our finishing offering ranges from the Delta series, our affordable entry-level equipment, to the the mid-range Neksia series and the premium to Mr. Blue and Mr. Orange edging systems. For high-volume labs, we now offer compact PRO-E 600 and PRO-E 700 edgers and the PRO-B 300 blocker..

p 26
p 28
p 29
p 30
p 32
p 34
P 35
p 36
p 37

MR. BLUE™ 2.0 SUN & SPORT EDITION





• Achive Half Jacket frame coverage for endurance and extreme sports

CHEMISTRIE™ CLIPS TO BRING YOU A NEW, INNOVATIVE SUN OFFER

• Generate additional revenues through an alternative to both prescription sunwear and unsatisfactory clip-on sets

- Magnetic lens layering system: a patented technology that attaches lenses to virtually any prescription eyewear using magnets embedded in the lenses
- Base curve matched, lightweight, and custom made
- A specifically-designed process on Mr Blue Sun & Sport Edition together with available materials and support



HALF JACKET® FRAMES TO EXCEL IN YOUR SPORTS OFFER



- Capitalize on the rising popularity of endurance and extreme sports
- Achieve a wider frames coverage with the partial step bevel¹ in addition to full high curve, asymmetric bevel, and step bevel.
- A dedicated process and assistance on your machine supported by new tools
- 1 Bevel a portion of the thick lens edge into a step to fit into frames so that only a part of the edge is inserted, and protrusions on the lens hook into indentations in the frame groove
- "Sun & Sport Edition" and its special features are available for every "Mr Blue Sun & Sport Edition" edger order, associated with a new or already owned Mr Blue tracer or Mr Orange tracer.

MR. BLUE™ 2.0 LENS EDGING SYSTEM

> Give your talent the tools it deserves

Mr. Blue is on the cutting edge of innovation—serving as a genuine ECP partner since its launch.

Now featuring a whole range of new functions and even greater flexibility than before, Mr. Blue 2.0 is the perfect solution for:

- Working with cutting edge technology
- Differentiating your offerings
- Optimizing your edging process



HIGH-CURVE MOUNTING JOBS OF THE HIGHEST QUALITY GUARANTEED, GIVING YOU COMPLETE PEACE OF MIND.

1 PERFECT CENTERING.

- Binocular 3-D tracing of fullrim frames up to base 9*.
- Automatic adjustment of centering data based on the frame's 3-D parameters*.

AESTHETIC AND ROBUST MOUNTINGS IN ALL FINISHES.

- FIT-4-Frame technology with dedicated small wheel*.
- Drilling and grooving tools can be tilted up to 30°, making it safe to mount lenses of up to base 10.

+ 3 SAFE PROCESS.

- Roughing cycle automatically adapts to the curves of lenses up to base 10, avoiding all risk of breakage.
- Bevel placement and shelf depth optimized for safe mounting without undue stress on lens.



* Essilor patents and exclusives.

FIT-4-FRAME 2.0 TECHNOLOGY FOR AESTHETICALLY PLEASING AND EASY-TO-MOUNT BEVELS.



■ Mini-bevel



Shelf or assymetric hevel



Step bevel

Personalized Engraving

A SINGLE SIGNATURE FOR YOUR CUSTOMERS AND YOUR STORE

- Customize your lenses and energize your profit
- An easy to use function that is completely integrated to Mr Blue 2.0.
- Infinite range of images.
- Promotional tools for the dispensing.
- Differentiate your practice with a unique offer



MR. ORANGE LENS EDGING SYSTEM

> A perfectly balanced concentrate of technology

Thanks to its perfect balance of speed and performance, Mr. Orange sets a simple and accessible standard for even the most difficult jobs. Whatever the finish or curvature of the lens, its wide array of functions guarantees top quality results.











Enjoy total command of all your jobs.

- 30° tool inclination: combined with lens geometry analysis, this range of movement provides outstanding results for all lens finishes (grooving, drilling, bevelling) and base curves.
- Fit-4-Frame technology: Variable geometry bevel with a dedicated chamfering wheel for shelf-beveling and fitting lenses in every form of groove regardless of the frame base.



DELTA™ 200-300 LENS EDGING SYSTEM

> All your workshop concentrated in this all-in-one station

Do you lack space or have budget constraints? Are you looking for a cost-effective solution? Are you looking for solutions that are simple, user-friendly and more intuitive? Do you want to increase your productivity and propose a fast delivery service?

- Compact edging system the reinvents simplicity for you
- Work with more comfort, speed, precision and versatility
- Three levels of configurations to fit your needs: Delta 100, Delta 200, and Delta 300
- Manufactured by Essilor | CE- and UL-certified



DELTA 300









29 Lens Finishing Systems

NEKSIA 550 LENS EDGING SYSTEM

> Popular edger returns with high-curve capability. Previous KAPPA Special Edition.

Mid-range trusted system



- Automatic binocular tracing in 3 dimensions
- Bevel: 3D bevel preview and configurable bevel trajectory
- Grooving: configurable positioning, width and depth
- Chamfering: front face and/or back face, by flexible chamfering wheel
- Polishing: flat and bevel
- More ergonomic centering (wide open space)
- EAS (Edging Assisted System) cycle to avoid axis deviation on fragile lenses
- 1,000 positions job database





'High curve' function Expand the field of possibilities

- Base curve coverage to 8, for all materials except mineral, with adjustable bevel height, width and location
- Go for quality finished jobs instead of ill-fitted lenses and decrease the number of re-do's



 Dispense a greater variety of glasses with wraparound frames

- To be able to trace, edge and mount with a NEKSIA 550 edger, you need to add a Neksia, Mr. Orange or Mr. Blue tracer/blocker.
- Edging mineral lenses with NEKSIA 550 is not possible.

NEKSIA™ LENS EDGING SYSTEM

> Everything you need to race through your workloads

The next generation of KAPPA – the simple and reliable edging solution for my daily workflow, because some letters inspire confidence.

With Neksia, Essilor combines years of experience in high-performance and precision-edging into one of the most user-friendly and productive systems in the world.

Neksia is now available in five models: Neksia 400, Neksia 500, Neksia 550, Neksia 600, and Neksia 650. Their key features are summarized here:

31



NEKSIA 600 NEKSIA 650 Drilling Tilt 0-15° Drilling Tilt 0-15° NEKSIA 550 High-Curve Bevel High-Curve Bevel NEKSIA 500 Chamfering Chamfering Chamfering Chamfering Grooving Grooving Grooving Grooving NEKSIA 400 Polishing Polishing Polishing Polishing Polishing Flat-edge finish Flat-edge Finish Flat-edge Finish Flat-edge Finish Flat-edge Finish Bevel Bevel Bevel Bevel Bevel

Lens Finishing Systems

Compact high-volume edger with extended versatility

PRO-E 700™ Edger

> Building on the success of Pro-E 600

Are you managing high volumes and looking to move your productivity up a gear? Essilor has designed an innovative high-volume edger that offers compactness and productivity, without any compromise.

PRO-E 700 edger combines top-end precision and extended versatility with robustness and speed. It offers a wide range of solutions and gives more autonomy to your lab.

Enhance efficiency and increase profitability thanks to PRO-E 700.

PRO-E 700 edger: the smart solution to boost your productivity and bring more value to your lab.









Integrate **quickly** and use instantly

This compact edger fits right into every lab. It sits on the table top and requires no vacuum or compressed air, meaning no extra investment. Its intuitive, user-friendly interface, even for complex jobs, makes it immediately operational. It interfaces easily with laboratory management software (ISO 16284), and is connectible to Essilor tracer-blockers and Essibox®.

Boost your productivity





PRO-E 700 edger is specifically designed for volumes. It raises the productivity standards of its category using whole new processes in all its cycles. Eighteen months of field testing and engineering have delivered a highly robust solution. This combines value for money with high volumes of quality mountings.

Do it all - even the most **complex** jobs



Maximize your offer thanks to this edger that can process all jobs efficiently, even the most complex. Generate additional revenues thanks to advanced features such as high curve, Half Jacket frames, safety, engraving, children's shapes and small B-size. Through mini-bevel, Chemistrie, asymmetric and step bevel, mix finishes, drill, super chamfer and polish, PRO-E 700 enhances the versatility of your lab.

🖒 Maintain with ease



Long-life components and fast maintenance procedures maximize the edger's uptime, making PRO-ETM 700 edger a smart investment for all volume labs. Telemaintenance allows us to update, diagnose and tune settings remotely.

(Long-life components are specifically designed for their durability and high-volume use).

Get it **right** first time





PRO-E 700 edger meets the highest market standards in top-end precision, optimizing right-first-time rapid results in faultless sizing, axis control and aesthetic mountings. It combines the benefits of two lens edging techniques: quality finishing by abrasive wheels and scoring precision of milling with an innovative fast process. It offers the best way to reduce rework and ultimately generate great consumer satisfaction.

33 Lens Finishing Systems

Edge ahead without compromise

PRO-E 600[™] Edger

- > The smart and unique solution for every forward thinking lab manager.
- Integrate quickly and use instantly
- Boost your productivity
- Do it all even the most complex jobs
- Maintain with ease
- Get it right first time





Compact, high-volume edging systems with extended versatility

PRO-B 300[™] Blocker

> The PRO-E 600™ and PRO-E 700™ high-volume edgers are now complemented with the new PRO-B 300™ blocker to enhance efficiency

Fully-Optimized Process

- Milling and roughing
- High-curve function
- Step bevel
- Drilling and grooving
- Chamfering

Advanced Features

- M'eye Sign engraving
- Half-Jacket® wraps
- Chemistrie[™] Clips
- Super chamfering
- Creative shapes

PRO-B 300 Blocker

- Ultra-accurate, ergonomic design
- Robust and fast operation
- Compatible with Essilor and Weco posiblocks
- Available with or without a tracer



Because a perfect job starts with a perfect tracing

TESS® FAMILY LENS EDGING SYSTEM

> For every need there is a specific TESS Tracer

Exceed all your expectations for remote edging



EVERYTHING YOU NEED FROM A PERFECT TRACER

Binocular tracing of all shapes, even the most intricate and high curved.

- Optimal rim contact without frame deformation ensured by patented, tilted stylus.
- Tracing cycle adaptable to frame shape and thickness, with auto-recognition of the frame material.
- High accuracy trace data optimized for remote ordering and remote edging.
- Robust design. Long term stability for low frequency of calibration.
- OMA protocol compatibility Easy integration in an Essibox network.
- 200 integrated shapes memory.
- Optional barcode reader.









A TOUCH SCREEN FOR EASE OF USE

In addition to the performances of Tess tracer, E-Tess model offers even more:

- 1:1 scale shape display to easily validate scanned shapes.
- A large set of shape modifications: B and ½ B dimensions, A and ½ A dimensions and scaling.
- 1,000 shapes internal memory storage.





Your daily partner for productivity



MORE COMFORT AT A MORE INTENSIVE RATE

In addition to the performances of E-Tess tracer, L-Tess version offers:

- User comfort optimized for natural position of the neck and back: raised tilted touch screen.
- Durability: increased robustness of motors for higher production.





CHOOSE YOUR TESS® TRACER

	High Precision	Shape Memory	Connectivity	High curved shapes	Shape Modification	User Comfort	High Production
TESS	High Accuracy	200	ОМА	9			
E-TESS	High Accuracy	1000	ОМА	9	****	(b)	
L-TESS	High Accuracy:	1000	ОМА	9	****	<u>-6</u>)	O _O

ESSIBOX

> Make your workday easier

Transferring information among a variety of systems in your practice is often fragmented and complicated. Essibox is an office network control system designed to save time and simplify the way you work by eliminating multiple data entries and connecting all of your tools.

- Enter data once and only once
- Seamless integration with your organization
- Easy job management
- Create unlimited shapes and drilling patterns
- Peace of mind through remote maintenance





4 Dispensing Equipment

Essilor Instruments provides equipment and solutions for precise measurements in the dispensing process. From the lens fitting to the frame fitting parameters, the perfect measures provide for the perfect fit.

• Eye-Ruler 2	p 40
• Pupillometer	p 40
PAL-ID engraving identifier plus	p 40
• Essilor Ditest	p 41
• Ultrasonic cleaners	p 41
Hand edgers	p 42
• Frame warmers	p 43
Dispensing Essentials Kit	p 43

DISPENSING EQUIPMENT

> Get equipment of the highest quality that will meet your daily expectations

■ EYE-RULER 2

> The most compact measurement device

Eye-Ruler 2 is an all-in-one device enabling personalized measurements with only two photos as well as a frame comparison. Minimal lens diameter determined with high precision

- Ultra-light, easy to use
- Latest embedded technologies: Bluetooth low-energy
- Sold complete with an iPad only
- Note: Eye-Ruler 2 currently does not integrate with practice management systems.



■ IPADEYERULER2

■ PUPILLOMETER

> Precision measurements with manual control

- Precision measurements with manual control
- Digital read-out with measurements to 0.5 mm
- Monocular and binocular measurements
- Manual occluder
- Manual adjustment of unlimited vision distances, from 35 cm to infinity
- Automatic on/off



PAL-ID ENGRAVING IDENTIFIER PLUS

> First-of-its-kind 3-in-1 lens inspection station

- PAL Identifier Brings "invisible" PAL markings into focus
- Polariscope Identifies "hidden" stress in mounted lenses and injection molded lens blanks. Allows user to identify tempered glass lenses
- Final Inspection Lamp White light allows user to identify any abnormalities in the finished eyewear



■ PAL-ID2

■ ESSILOR DITEST

- > Minimal lens diameter determined with high precision
- It allows the minimum lens diameter to be determined during initial dispensing and final checking after finishing
- Delivered with cards covering most Essilor lens types



STAINLESS STEEL ULTRASONIC CLEANER

- > Large and powerful for a minni-lab
- 2,000 ml tank will fit any size eyewear
- Stainless steel construction and industrial parts will provide years of quality service
- Ultrasonic frequency: 45,000 Hz
- Quiet, solid-state circuitry



■ MNU2000

DIGITAL ULTRASONIC CLEANER

- > Combination of the ideal size and power
- Includes a removable lid, bright digital display, and timer
- Ultrasonic frequency: 42,000 Hz
- Tank material: Stainless steel SUS303
- Tank capacity: 1,375 ml (1.48 quarts)
- Quiet, solid state circuitry



■ MNU1375

DISPENSING EQUIPMENT

■ HIDE-A-BEVEL HAND EDGER

> New design to provide you with years of hassle-free use

- Features a diamond wheel with 3 cutting surfaces:
- 100 grit
- 240 grit
- V-Groove
- Large water reservoir and swarf collector
- Vibration-free operation
- Ergonomically designed
- Clear safety shield



MMWHABHE

DIAFINE HAND EDGER

> A range of manual edgers for chamfering and polishing

- Chamfering and polishing for plastic and polycarbonate lenses (N65806)
- Chamfering for plastic and glass lenses (N65802)
- Conical diamond wheels from 50 to 90 mm. in diameter
- Two 14 mm wide strips for chamfering and counter-beveling at the best possible angle
- Retouching mini bevels with either the left or right side of the wheel
- Fine beveling of a thin lens can be carried out on the upper part of the wheel
- Continuously lubricated by a film of water which eliminates any risk of splashing
- Built-in water container eliminates the need for connecting the edger to the water supply



N65806N65802

DIGITAL HOT AIR FRAME WARMER

- > Top-selling adjustable temperature frame warmer
- Digital controller and temperature monitor
- Bright LED screen displays the actual temperature inside the housing and the latest working temperature upon restart
- Temperature range: 104- 302 degrees Fahrenheit.



■ 32-WARMERDIGITL

STANDARD HOT AIR FRAMER

- > Adjustable-temperature frame warmer
- Temperature knob that allows for adjustment from 130 to 230 degrees Fahrenheit
- Place the frame in the cup and direct heat where you need it



32-WARMERSTNDRD

DISPENSING ESSENTIALS	DISPESSKIT1
Frame Warmer	32-WARMERDIGITL
Pupillometer	X81705
Ultrasonic Cleaner	MNU1375
Lens Engraving Detector Plus	PAL-ID2
Manual Lensmeter	32-AXIS221



5 Vision Screeners and Tests

For over 60 years, Stereo Optical has designed and manufactured the gold standard of vision screening products with trusted use and validation. The vision screeners provide quick, accurate and reliable results in a controlled environment with no training or certification necessary. The tests are a quick, easy method to identify vision problems.

• OPTEC® PLUS	p 46
Optec 5000 Series	p 47
Functional Vision Analyzer	p 48
Stereotests and Vision Products	n 40

Perform comprehensive visual screening in minimal time

OPTEC® PLUS SMART VISION SCREENER

> Your practice deserves a new generation of vision screening devices

Stereo Optical OPTEC PLUS all in-one digital vision screener enables quick, thorough and repeatable results in the pre-test room, saving valuable time in the exam lane.

New features include a user-friendly interface, an expanded library of tests with limitless customization including auto-mode, randomization and protocols.

- Testing distances: Near, Far and intermediate
- Monocular and Binocular
- Lighting conditions: day / night (optional)
- Constant and homogeneous luminance levels with controlled lighting in accordance with the international standard
- No training or certification
- Lightweight and portable
- PC or Tablet
- New software available with the glare recovery test and testing under the glare condition

AUTOMATIC MODE*: Increase the efficiency of your patient flow and save time in the exam lane

- With this unique feature, tests can be:
 - Self-administered by the patient or
 - Delegated to your staff
- Text-to-speech technology guides patient through the test, freeing you from repetitive tasks
- Preset auto-mode protocols
- The OPTEC PLUS records the patient results for you.







^{*} Patent Pending

OPTEC® 5000 SERIES VISION SCREENERS

- > Ideal for pre-screening, to quickly and accurately test patients in a controlled environment
- Near, far and intermediate testing distances
- 100+ test slides to choose from acuities, color, depth and phoria
- No training required
- Lightweight and portable



■ Optec 5000P Manual control with a peripheral test



- Optec 5500 Remote control pad
- Optec 5500P Remote control pad with a peripheral test

47

FUNCTIONAL VISION ANALYZER

- >Ideal for pre- and post-op cataract, refractive surgery and clinical trials
- Includes F.A.C.T. contrast sensitivity tests (sine-wave gratings)
- 4 lighting conditions Day and night, with and without glare
- Meets ANSI standards with unsurpassed homogeneous illumination
- Analysis using the EyeView software to illustrate real-world image of patient results



STEREOTESTS

Stereo depth perception tests are an effective and easy to use method of screening stereoscopic vision for all ages. They help to detect visual problems such as stereopsis, amblyopia, suppression and strabismus.



ORIGINAL ISHIHARA COLOR TEST

- For congenital red-green color blindness
- Color plates encased in a specially designed album book
- Each Ishihara plate is printed with a circle made of different sized dots of slightly different colors, spread in random, with the image of a numeral at the center
- Three options available:: 14-plate book, 24-plate book, 38-plate book
- Additional tests discourage memorization but do not provide additional testing.

Original Stereo Fly	SO001
Randot®	SO002
Random Dot "E"	SO003
Butterfly	SO005
Original Randot	SO006
Randot Preschool	SO007
Distance Randot	SO015
Special Randot	SO016
Stereo Fly with LEA Symbols	SLO01
Randots with LEA Symbols	SL002
Butterfly with LEA Symbols	SL005
Color Tests (14-plate)	MAG301
Color Tests (24-plate)	MAG302
Color Tests (38-plate)	MAG303

49



6 Handheld Instruments

Essilor Instruments offers an extensive line of handheld instruments and binocular indirect ophthalmoscopes designed to facilitate examinations and diagnoses at your practice.

Ophthalmoscopes	p 52
Retinoscope	p 52
Transilluminator	p 53
Indirect binocular ophthalmoscopes	p 53
Optometric accessories	p 54
• Exam Lane Essentials Kit	p 55

OPH 500 Professional Ophthalmoscope

- Ultimate control
- Xenon illumination
- Comprehensive lens range: +29D to -30D
- Included: handle, lithium battery, case, 1 spare bulb







OPH 700 Specialist Ophthalmoscope

- The world's finest direct ophthalmoscope
- High-quality illumination
- Widest range: +44D to -45D
- New cobalt-blue filter
- Included: handle, lithium battery, case, 1 spare bulb







RET 500 Professional Combi Retinoscope

- The first truly bimodal retinoscope
- Neutralization check
- Two-position aperture
- Included: handle, lithium battery, case, 1 spare bulb







TRANSILLUMINATOR

The transilluminator features bright halogen illumination for examining the sclera to detect the presence of ocular tumors and assessment of the anterior chamber and eyelids. This high-quality instrument's fiber optics provide cold light transmission.

The new long-lasting Lithium Battery Handle is rechargeable. Add the Mini Charger, and you also have the ability to plug in to a standard wall outlet for recharging.



INDIRECT BINOCULAR OPHTHALMOSCOPE Vantage Plus

> Great new features that really add up!

The PLUS gives you:

- Premium intelligent optics
- Lighter weight and brighter images
- Unique wireless patented technology
- Smaller and more compact size



INDIRECT BINOCULAR OPHTHALMOSCOPE All Pupil

> Light, bright and easy to use

All Pupil II is based on the designs of the number one selling All Pupil indirect. Its exceptional brightness (2000 lux), light weight (500 grams), balance, and extra padding all make the All Pupil II the most comfortable indirect. Its enclosed coated optics guaranteeing bright, clear retinal images. A unique single control lever changes aperture size to view through all pupil sizes.



53 Handheld Instruments

> Enhance your expertise with wider offer

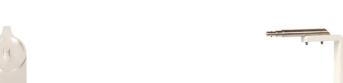
■ Trial frames and trial cases



Adaptors for Applanation Tonometers



■ Horizontal Prism Bar





Phoropter Arm

Portable

■ Portable Slit Lamp



Ophthalmic Surface Mirror



Prisms



Ophthalmic Lenses



Accessories



■ Flipper Lens +/- 0.25

55



■ Occluder Pinhole



EXAM LANE ESSENTIALS KIT OPTOESSKIT1

D VLENS2	OD
DD VLENS9	OD
rism Bar HORPI	3
hole OCCLUP	INM
+/- 0.25 FLIPLENS	025
hole OCCLUP	INN

Original Stereo Fly	SO001
Color Tests (14-plate)	MAG301
Trial Frame Metal/Standard	ESS204
Small Trial Lens Set 167 pcs	ESS167



7 Accessories and Consumables

Consumables and accessories are key factors to obtaining a mounting that fulfills your customers' requirements. Our pads and blocks will optimize the finishing process of your equipment.

All products are specifically designed, developed and tested by our R&D department to enhance lifetime performance of your Essilor Instruments edging systems.

Get factory-direct quality straight from the source because we are not just a reseller but a manufacturer – expert on finishing and optometry equipment and processes.

Edging consumables	p 58
• Wheels	p 60
• Tools	p 62
Services and support	p 64
Product index	p 65

EDGING CONSUMABLES

> Obtain perfect mounting with original consumables and accessories specifically designed for your Essilor Instruments edging systems

EDGING PADS











Compatible	GAM 403	GAM 316	GAM 200	GAM 306
Equipment	Ø 22 mm • Roll of 1000	Ø 18/14 mm • Roll of 1000	Ø 24 mm • Roll of 1000	Ø 18 mm • Roll of 1000
GAM 222	•			

Equipitioni	Ø 22 mm ● Roll of 1000	Ø 18/14 mm • Roll of 1000	Ø 24 mm ● Roll of 1000	Ø 18 mm • Roll of 1000
GAM 222	•			
GAM 218		•		
GAM 216		•		
GAM 202			•	
GAM 203				•

GAM 207 Lens protectors Roll of 2000

EDGING PLASTIC BLOCKS



SIGMA









Compatible Equipment	GAM 222 Ø 22 mm ● Pack of 20	GAM 218 Ø 18/14 mm • Pack of 20	GAM 216 Ø 18/14 mm • Pack of 10	GAM 202 Ø 25 mm • Pack of 20	GAM 203 Ø 18 mm ● Pack of 10
MISTER	•	•			
NEKSIA	•	•			
KAPPA/GAMMA			•	•	•
JESS/DELTA	•	•			

CLAMP PADS

Compatible Equipment	M24A33 Ø 22 mm	M1017A Ø 18/14 mm	N9581D Ø 25 mm	N9582B Ø 18 mm	M1012A Ø 18/14 mm
M24A12	•				
M10A17		•			
M10A09			•		
M10A10				•	
M10A11					•

CLAMP PADS WITH PLATE











Compatible Equipment	M24A12 Ø 22 mm • Right Side	M10A17 Ø 18/14 mm • Right Side	M10A09 Ø 25 mm • Right Side	M10A10 Ø 18/14 mm • Right Side	M10A11 Ø 18/14 mm • Right Side
MISTER	•	•			
NEKSIA	•	•			
KAPPA/GAMMA			•	•	•
JESS/DELTA	•	•			
SIGMA			•	•	•

BLOCK HOLDERS











	and Bridge		48 (4)		100
Compatible Equipment	M24A16 Ø 22 mm ● Left Side	M24A15 Ø 18/14 mm • Left Side	M1590C Ø 25 mm • Left Side	M1590D Ø 18/14 mm • Left Side	M1590L Ø 18 mm • Left Side
MISTER	•	•			
NEKSIA	•	•			
KAPPA/GAMMA			•	•	•
JESS/DELTA	•	•			
SIGMA			•	•	•

DRILL/ MILL BITS

	/	/	1	1	1	1	1	1		
Compatible Equipment	FRA210 Drill bit Ø 1 mm	FRA211 Drill bit Ø 0.8 mm	FRA308 Drill bit Ø 0.8 mm	FRA310 Drill bit Ø 1 mm	M1553A Drill bit Ø 0.8 mm	M1554A Drill bit Ø 1 mm	FRA212 Mill bit Ø 1.2 mm	FRA312 Mill bit Ø 1.2 mm	FRA401 Roughing Mill Ø 1.2 mm	FRA405 Drill Mill bit Ø 1 mm
MR BLUE 2.0			•	•				•		
MR BLUE	•	•					•			
MR ORANGE	•	•	•	•						
NEKSIA/KAPPA JESS/DELTA/ SIGMA					•	•				
PRO-E 600 PRO-E 700			•						•	•

■ FUSE / LED / BULBS



CA1035 Fuse 4 atempo 5x20



CA5072 Edger bulbs Kappa / Gamma



M24R06 LED board

■ BAR CODE



DOUA24 Bar code reader



X95A02 Set of labels 0-200

■ EDGING WHEELS



CX3006 Roughing wheel mineral



CX3025 Roughing wheel plastic



CX3020 Finishing wheel



CX3021 Finishing wheel



CX3060 Polishing wheel 15 mm



CX3061 Polishing wheel 22 mm



CX3028 Polishing wheel 15 mm



CX3029 Polishing wheel 22 mm

■ DRESSING WHEELS



CX5051 Dressing disc for finishing - 19 mm



CX5024 Dressing wheel for finishing - 22 mm



CX5049 Dressing square 15 mm



CX5054 Dressing square 15 mm



PCX001 Wheel cleaning kit Essipolish with syringe A hub 3 cleaning disks

	MISTER BLUE	MISTER ORANGE	NEKSIA/KAPPA/GAMMA/JESS/DELTA/SIGMA
CX5026	• (CX3006)	• (CX3006)	• (CX3006)
CX5051	• (CX3021)		
CX5024		• (CX3021)	• (CX3024)
CX5054	• (CX3060)	• (CX3060)	• (CX3060)
CX5049			• (CX3061)

■ CHAMFERING WHEELS



CX3822S MR BLUE



CX3823 MR ORANGE



CX3815 NEKSIA / KAPPA / GAMMA / JESS / DELTA / SIGMA

■ GROOVING WHEELS



CX3820 MR BLUE



CX3824 MR ORANGE



CX3812 NEKSIA / KAPPA / GAMMA / JESS / DELTA / SIGMA

■ HIGH CURVE WHEELS



CX3821 MR BLUE



CX3825 MR ORANGE



CX3834 Step bevel wheel MR BLUE and PRO-E 600/700

				MR BLUE	MR ORANGE	NEKSIA/ DELTA	KAPPA/GAMMA/ JESS/SIGMA
CX3006	Roughing	Mineral	15 mm	•	•	•	•
CX3025	Roughing	Plastic	22 mm	•		•	•
CX3020	Finishing	All material	22 mm				•
CX3021	Finishing	All material	19 mm	•	•	•	
CX3060	Polishing	Plastic	15 mm	•	•	•	•
CX3061	Polishing	Plastic	22 mm	•	•	•	•
CX3028	Polishing	Plastic	15 mm				•
CX3029	Polishing	Plastic	22 mm				•
CX3822S	Chamfering	Plastic		•			
CX3823	Chamfering	Plastic			•		
CX3815	Chamfering	Plastic				•	•
CX3820	Grooving	Plastic		•			
CX3824	Grooving	Plastic			•		
CX3812	Grooving	Plastic				•	•
CX3821	High curve	Plastic		•			
CX3825	High curve	Plastic			•		

TOOLS

> Fulfill and enhance your daily tasks with dedicated tools designed and selected for you











Woo	Wooden Box with 5 Handles and 7 Blades - ECR001						
		5 nut driver handles ECRM01					
0	2.2 mm	Square blade	ECRC01				
\oplus	2.0 mm	One cross blade	ECRC20				
0	2.0 mm	One star blade	ECRE20				
0	2.2 mm	One star blade	ECRE22				
0	2.5 mm	One star blade	ECRE25				
0	2.2 mm	One hex blade	ECRH22				
Θ	1.5 mm	One blate blade	ECRP15				

	Pocket Wooden Box - TOUR01						
			Complete Screwdriver	Spare Blade (x4)			
Θ	1.2 mm	Blade screwdriver	TOUP12	TOUL12			
Θ	1.6 mm	Blade screwdriver	TOUP16	TOUL16			
Θ	1.9 mm	Blade screwdriver	TOUP19	TOUL19			
\oplus	1.5 mm	Crossblade screwdriver	TOUC15	TOUL15			
\oplus	2.0 mm	Crossblade screwdriver	TOUC20	T0UL20			
\oplus	2.5 mm	Crossblade screwdriver	TOUC25	_			

Screw Nutdriver Set - TOUA10							
Θ	1.6 mm	Blade screwdriver	TOUP36				
Θ	1.8 mm	Blade screwdriver	TOUP38				
0	1.5 mm	Hexa. screwdriver	TOUC35				
\oplus	1.8 mm	Crossblade screwdriver	TOUC38				
0	2.02 mm	Hexa. nutdriver	ECRH02				
0	2.32 mm	Hexa. nutdriver	ECRH32				
0	2.82 mm	Hexa. nutdriver	ECRH82				
0	2.32 mm	Star nutdriver	ECRE52				
0	2.82 mm	Star nutdriver	ECRE82				

		Mixed Set - TOUA01	
Θ	1.2 mm	Blade screwdriver	TOUP10
Θ	1.6 mm	Blade screwdriver	TOUP15
Θ	1.8 mm	Blade screwdriver	TOUP18
Θ	2.3 mm	Blade screwdriver	TOUP23
\oplus	1.5 mm	Crossblade screwdriver	T0U006
\oplus	2.0 mm	Crossblade screwdriver	T0U007
	2.2 mm	Star nutdriver	ECRE12
0	2.5 mm	Star nutdriver	ECRE15
	2.8 mm	Star nutdriver	ECRE18
0	2.2 mm	Hexa. nutdriver	ECRH12



MISK08 Tripod



MISK09 Demo lens holder



N82A11 Edger adjusting gauge



L11S44
Pattern holder calibration tool



SPH001 Measuring tools lens Clock



COM003 Large thickness apparatus



L1108P Touch screen pen



CRA002 Marker bullet tip 1 mm, opaque ink white lens



99-AOP Handy All Off Pen Easily erase progressive ink markings



99-AO
Instantly dissolves and removes ink markings faster and safer than acetone, in 3 seconds flat – 16 oz.



N82A03 Deblocker plier



JAU002 Lens hole gauge



SET OF 3 REAMERS 1.4 MM – EQU001 1.75 MM – EQU002



EQU003 Set of 2 Needles Reamers 0.5 mm -0.7 mm



EQU010 Set of 6 Reamers 1.4 mm to 2.1 mm





File
Round, thickness: 1.3 mm

■ SPINDLES / TOOLS



M24S330 Chamfering spindle MR BLUE



M24S340 Grooving/Milling spindle MR BLUE



M24S760 Drilling spindle MR BLUE



M24S28 Engraving tool MR BLUE



M22S430 Chamfering spindle MR ORANGE

SERVICES AND SUPPORT

Essilor Instruments USA offers a variety of support plans for all Essilor equipment and especially Essilor finishing systems.

Our support plans offer added protection beyond the standard one-year warranty on products.

With a support plan from Essilor Instruments USA, you don't have to worry about unexpected repair expenses. You have peace of mind knowing that you have protected your equipment investment and that our well-trained team of service professionals is available to provide prompt and effective on-site service.

HOW DO YOU BENEFIT:

- Reduced stress knowing your equipment is covered
- Protection from unplanned repair expenses
- Priority scheduling for repairs
- Convertion of unpredictable repair expenses to consistent fixed expenses for more accurate annual budgeting.



PRODUCT INDEX

1	 EXAMINATION ROOM Phoropters Chart systems Digital slit lamps and cameras Classic slit lamps Applanation tonometers Chair glide and mover Exam chairs and stand Examination tables and stools 	p 4 p 7 p 8 p 9 p 10 p 11 p 12 p 14	4	 DISPENSING EQUIPMENT Eye-Ruler 2 Pupillometer Pal-ID2 engraving identifier plus Essilor Ditest Ultrasonic cleaners Hand edgers Frame warmers Dispensing Essentials Kit 	p 40 p 40 p 40 p 41 p 41 p 42 p 43 p 43
2	SCREENING AND DIAGNOSTIC ROOM • Auto kerato-refractometers • Non-contact tonometers • Corneal topographer • Wavefront aberrometer • Optical Coherence Tomographer	p 18 p 19 p 20 p 21 p 22	5	VISION SCREENERS AND TESTS OPTEC® PLUS Optec 5000 series Functional Vision Analyzer Stereotests and color tests	p 46 p 47 p 48 p 49
3	 Lensmeters LENS FINISHING SYSTEMS 	p 23	6	HANDHELD INSTRUMENTS Ophthalmoscopes Retinoscope	p 52 p 52
J	 Mr. Blue[™] 2.0 Sun & Sport Mr. Blue 2.0 Mr. Orange Delta series Neksia[™] series 	p 26 p 27 p 28 p 29 p 30		 Retinoscope Transilluminator Indirect binocular ophthalmoscopes Optometric accessories Exam Lane Essentials Kit 	p 52 p 53 p 53 p 54 p 55
	 PRO-E 700™ PRO-E 600™ PRO-B 300™ Tess® family Essibox 	p 32 p 34 p 35 p 36 p 37	7	ACCESSORIES AND CONSUMABLES • Edging consumables • Wheels • Tools • Services and support	p 58 p 60 p 62 p 64

















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