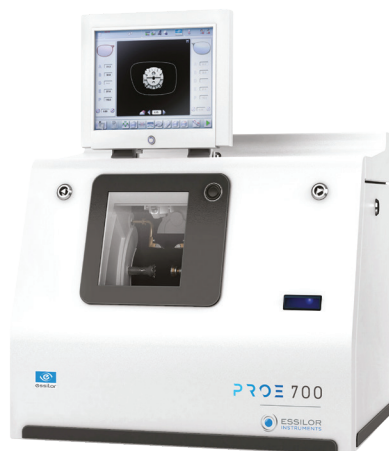
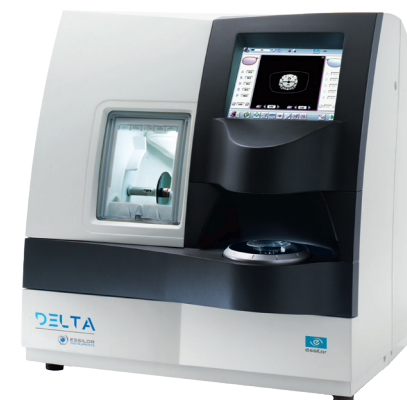


**EssilorLuxottica**



WORLDWIDE LEADER IN FINISHING SYSTEMS



# TABLE OF CONTENTS

|                                 |       |
|---------------------------------|-------|
| <b>EDGING FUNCTIONS</b>         | p. 3  |
| Standard and Advanced Finishing | p. 4  |
| Specific Bevel                  | p. 5  |
| Specific Jobs                   | p. 6  |
| <b>PRO-E™ SERIES</b>            | p. 8  |
| <b>ES™ SERIES</b>               | p. 10 |
| <b>NEKSIA™ SERIES</b>           | p. 11 |
| <b>DELTA Series</b>             | p. 12 |
| <b>TRACER SOLUTIONS</b>         | p. 13 |
| <b>ESSIBOX®</b>                 | p. 14 |
| <b>LENSMETERS</b>               | p. 15 |
| <b>LAB ACCESSORIES</b>          | p. 16 |
| <b>SPECIFICATIONS</b>           | p. 17 |
| Edging Functions                | p. 17 |
| Tracing Functions               | p. 18 |
| Technical Design                | p. 19 |

# EDGING FUNCTIONS

Standard and Advanced Finishing



## CONFIGURATION

- 0.75 mm bevel height
- 3 wheels set for all plastic materials
- 4 wheels set for all materials including mineral
- 15, 19, 22 mm wheel widths for different lens thicknesses
- Round-edge roughing wheel for securing high-curve lens

Examples



3 wheels set



4 wheels set

## DURABLE LIFE TIME

- 155 diameter wheel
- Lens swapping on roughing wheel
- Automatic cleaning of polishing wheel



Polishing wheel cleaning kit

## MAINTENANCE

- Easy replacement depending on the model. Available with the ES™ series and the Pro-E series.
- Easy size adjustment

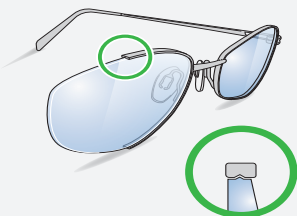
**Refer to your technician for additional information**

Available on all edgers  
3 wheels set: Neksia 550, Pro-E™ 600, Pro-E 700  
3 or 4 wheels set: Neksia™ 400, Neksia 500, ES 700, ES 700M, ES 800, ES 800M



## MINI-BEVEL

- Aesthetically-pleasing thin frame fitting
- Mini bevel height: from 0.30 mm to 0.75 mm
- Easy bevel configuration directly on the main screen

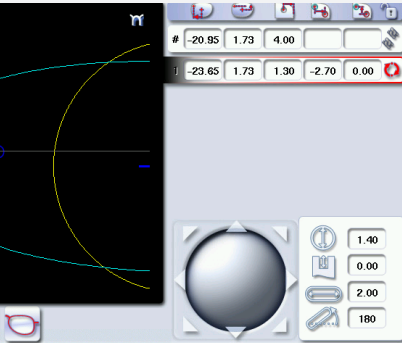


Available on ES 700, ES 700M, ES 800, ES 800M, Pro-E 600, Pro-E 700



## DRILLING



- Integrated drilling function for perfect positioning
- Hole, slot, notch, non-through drilling
- 2 drill bit sizes (0.8 and 1.0) for durability and speed
- Holes from 0.8 mm to 3.0 mm
- Holes quantity up to 20
- Slot and notch width up to 5 mm
- Slot and notch angle position from 0 to 90 degrees
- Automatic and adjustable tilt angle from front and rear lens face
- Hole size compensation according to the tool wear



Available on  
Tilt 15°: Neksia D  
Tilt 0-30°: ES 700, ES 700M, ES 800, ES 800M, Pro-E 600, Pro-E 700

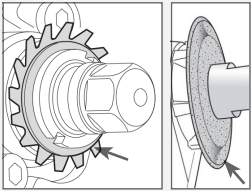
# EDGING FUNCTIONS

## Standard and Advanced Finishing





GROOVING

- Integrated grooving function
- Grooving wheel design to secure the groove width stability regardless of the lens curve
- Adjustable width from 0.6 mm to 1.2 mm
- Adjustable depth from 0.2 mm to 1.2 mm



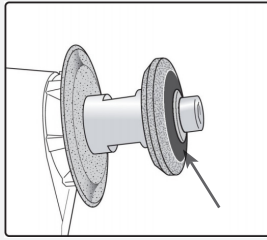
Grooving wheels

Available on all edgers  
Tilt 15°: Neksia™ D  
Tilt up to 30°: EST™ 700, ES 700M, ES 800,  
ES 800M, Pro-E™ 600, Pro-E 700







CHAMFERING

- Integrated chamfering function
- Unique Essilor patent with flexible wheel
- Perfect follow-up of the lens curvature
- Consistent chamfer width all around the lens
- Front and back
- Adjustable width
- Standard width: thin (0.2 mm) and large (0.4 mm)



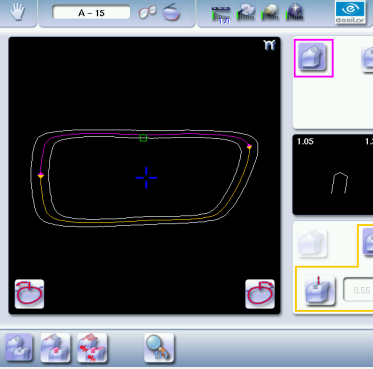
Chamfering wheel mounted on flexible component

Available on all edgers  
Tilt 15°: Neksia D  
Tilt up to 30°: ES 700, ES 700M, ES 800,  
ES 800M, Pro-E 600, Pro-E 700



MIXED FINISHING

- Specific frame design
- Combination of 3 different types (groove-bevel-flat edge)
- Finishing type with any design (bevel-bevel, groove-groove, groove-flat edge, etc.)
- Configurable sector
- Automatic and aesthetically-pleasing merge between sectors



Available on ES 700, ES 700M, ES 800,  
ES 800M, Pro-E 600, Pro-E 700



CUSTOMIZED FINISHING


- Complete adaptability of bevel and groove positions
- Position in the lens thickness (front and rear surface tracking, distributed and/or position percentage)
- Frame rim or lens curve tracking
- Curve modification (general or at a particular point)
- Curve displacement



Available on all edgers


# EDGING FUNCTIONS

## Specific Bevel

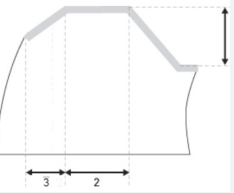


HIGH-CURVE BEVEL

Process lenses for wrap-around frames with an optimized bevel design for a perfect fit

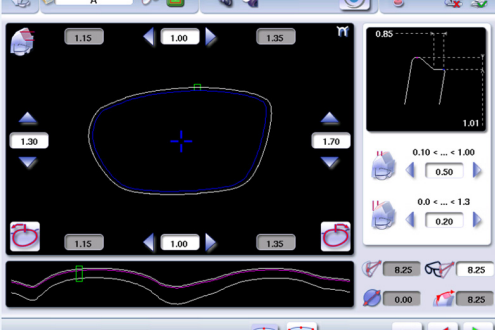


- Binocular 3-D tracing of full-rim frames (tracer function)
- Automatic adjustment of centering data based on 3-D parameters of the frame
- Adjustment of high-curve bevel height on 4 to 8 points
- Automatic frame trajectory follow-up to harmonize as best as possible the lens base, frame base and shape (only available on Mr Blue 2.0 and Mr Blue Sun & Sport).




Cross-sectional view of a high-base bevel


1: Value of shelf bevel of rear surface  
2: Width of the flat side of the bevel  
3: Front surface tracking value



Shape of the bevel (width, height, etc.) defined up to 8 locations


Available on  
Up to wrap 25°, Base 8: Neksia 550,  
Up to wrap 30°: Base 9: EST™ 700, ES 700M,  
ES 800, ES 800M, Pro-E™ 600, Pro-E 700

 For the quality of the job, the lens base must always match the frame base perfectly.

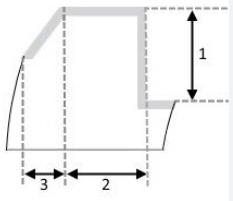


STEP BEVEL

A step-bevel profile is particularly suited for rimmed sport frames and safety glasses with:

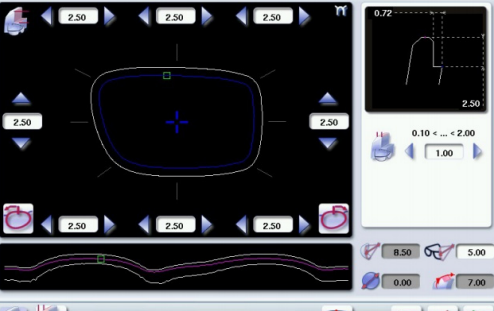


- A deep rectangular frame groove profile
- A frame groove with the back side longer than the front side




Cross-section of a step bevel

1: Value of shelf bevel of rear surface  
2: Width of the flat side of the bevel  
3: Front surface tracking value



Shape of the bevel (width, height, etc.) defined up to 8 locations

Available on  
ES 800, ES 800M, Pro-E 600, Pro-E 700

 For the quality of the job, the lens base must always match the frame base perfectly.



# EDGING FUNCTIONS

## Specific Jobs

A unique engraving process, easy-to-use and completely integrated in the edging routines. From initials and sports insignia to Chinese calligraphy and more, engrave a range of images and infinite texts.

A unique engraving tool, non-invasive for the coating

Available on  
ES™ 800, ES 800M, Pro-E™ 700

This function allows you to create your own shapes:

- Using the pre-cut patterns
- Modifying the available forms
- Creating your own patterns

The colors symbolize the various tools that will be used to machine the shape:

■ Mill bit   ■ High-base wheel   □ Large wheel

Available on  
ES 800, ES 800M, Pro-E™ 700

This function helps to obtain an aesthetically-pleasing and safe mounting in the case of a negative thick lens edge, due to the super chamfering wheel.

The answer to a 'thick' lens edge that brings attractiveness and safety

Super chamfer wheel

Available on Pro-E 700

# EDGING FUNCTIONS

## Specific Jobs

- A technology that attaches sun/reader/3D/blue-cut lenses to any prescription eyewear using magnets embedded in the lenses
- Designed to be lightweight with a dedicated triacetate lens
- Lenses are available in multiple base curves to fit virtually any frame curve

Chemistrie™ processing feature

Starter kit composition

Available on ES™ 800, ES 800M and Pro-E 700

- A dedicated, guided process with Chemistrie screens and buttons to save time
- A secure process of the job with pre-settings values that can be adjusted
- Optimized and dedicated edging process for sun/reader/3D/blue-cut lenses
- One single job number to process either Rx frames and/or Chemistrie clips
- Easy drilling process for square magnets
- A starter kit that includes lenses, consumables and necessary tools (starter kit as an option for Pro-E™ 700)

The Half Jacket endurance sport frame requires partial step beveling to fit into a portion of the frame and protrusions on the lens to hook into indentations in the frame groove.

- Advanced optical tracing of the external shape to detect protrusions of the demo lens (tracer)
- Assisted design of the step bevel shape with a touch screen (edger)
- Completed job saved in Essibox for future use

Optical tracing with protrusions detections

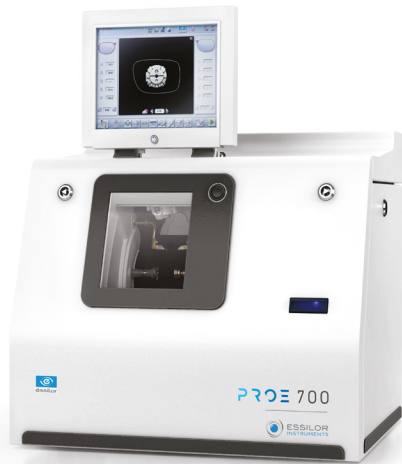
Define the partial step bevel

Available on ES 800, ES 800M and Pro-E 700



# PRO-E SERIES

Edgers designed to meet lab expectations



PRO-E™ 700



PRO-E™ 600

### VERSATILITY

- All types of mountings and finishing
- All materials except glass

### PRODUCTIVITY

- Productivity gain: Up to 50%<sup>1</sup>
- Groove: 3X faster<sup>1</sup>
- Drill 4 holes: 2X faster<sup>1</sup>
- Dry milling to secure hydrophobic lenses as fast as roughing wheels cycles<sup>2</sup>
- Start/stop mechanical button and bar code scanner embedded

### PRECISION

- Top-end edger precision
- Advanced processes to enable faultless sizing, axis control and attractive mountings

### EASY INTEGRATION

- Compact tabletop format
- No need for compressed air
- Intuitive and user-friendly MMI
- Large range of configurations

### ROBUSTNESS

- Specific durable tools
- Easy and fast maintenance processes

## PRO-E™ 700

Chemistrie™

Creative Shape

Engraving

Half Jacket®

Super Chamfering

## PRO-E™ 600

Step Bevel

Step Bevel

High-Curve Bevel  
Up to wrap 30°, Base 9

High-Curve Bevel  
Up to wrap 30°, Base 9

Milling

Milling

All types of  
mixed jobs

All types of  
mixed jobs

Drilling Tilt up to 30°

Drilling Tilt up to 30°

Chamfering

Chamfering

Grooving

Grooving

Polishing

Polishing

Flat-edge Finish

Flat-edge Finish

Mini Bevel

Mini Bevel

Bevel

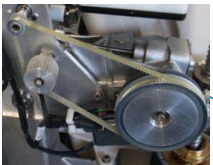
Bevel

# PRO-E SERIES

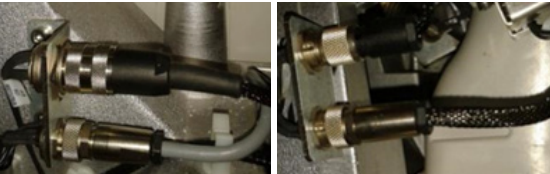
Edgers designed to meet lab expectations of high productivity and uncompromising quality

### PLAY COMPENSATION SYSTEM

Electro-mechanical system to eradicate all plays in the lens rotation system to ensure perfect drilled shapes



### ROBOTIC CABLE & CONNECTION



### STRAIN GAUGE

All edging efforts on the lens constantly measured to optimize the cycle time without compromise on the axis deviation

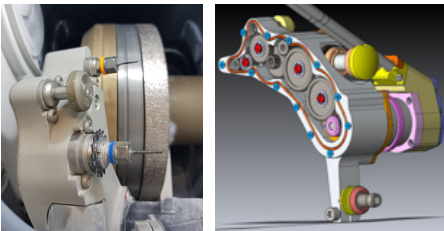


### TEMPERATURE COMPENSATED REPRODUCER

Lens sizing mastered regardless of the edging volume



### LONGER LIFETIME FOR PARTS AND TOOLS



### MILLING



Dry cutting process to fully secure lens axis deviation during roughing and eliminate bad smell from MHI



### FEELER METAL PIN

Perfect lens thickness measurement with free wear pin



### ADVANCE CLAMPING SYSTEM

Ensure repeatable and constant lens clamping pressure



### WECO BLOCK COMPATIBILITY

### EASY AND FAST MAINTENANCE



### DESIGNED FOR PRODUCTIVITY



A unique start button

Embedded barcode reader

<sup>1</sup> Versus standard ECP table-top finishing system  
<sup>2</sup> Versus 2 stars cycle

ES™ SERIES

Cutting-edge technology to master edging and reveal creativity



| ES™ 800                                    | ES™ 800M                                   |
|--|--|
| Crystal Pave                               | Crystal Pave                               |
| Clip-On                                    | Clip-On                                    |
| Creative Shape                             | Creative Shape                             |
| Engraving                                  | Engraving                                  |
| –  | Half Jacket®                               |
| Step Bevel                                 | Step Bevel                                 |
| –  | Milling                                    |
| High Curve Bevel<br>Up to wrap 30°, Base 9 | High Curve Bevel<br>Up to wrap 30°, Base 9 |
| All types of mixed jobs                    | All types of mixed jobs                    |
| Drilling Tilt up to 30°                    | Drilling Tilt up to 30°                    |
| Chamfering                                 | Chamfering                                 |
| Grooving                                   | Grooving                                   |
| Polishing                                  | Polishing                                  |
| Flat-edge Finish                           | Flat-edge Finish                           |
| –  | Mini Bevel                                 |
| Bevel                                      | Bevel                                      |

ES™ 700M

| ES™ 700                                    | ES™ 700M                                   |
|--|--|
| High-Curve Bevel<br>Up to wrap 30°, Base 9 | High-Curve Bevel<br>Up to wrap 30°, Base 9 |
| All types of mixed jobs                    | All types of mixed jobs                    |
| Drilling Tilt up to 30°                    | Drilling Tilt up to 30°                    |
| Chamfering                                 | Chamfering                                 |
| Grooving                                   | Grooving                                   |
| Polishing                                  | Polishing                                  |
| Flat-edge Finish                           | Flat-edge Finish                           |
| –  | Mini Bevel                                 |
| Bevel                                      | Bevel                                      |

SIMPLIFIED WORKFLOW.  
ENHANCED PRODUCTIVITY

- Optical tracing time reduced by up to 75%
- Blocking and centering time reduced by up to 20%
- Edging time reduced by up to 19%

OPTIMIZED AXIS PRECISION

- Roughing cycle automatically adapts to the curves of lenses up to base 10
- ES 700M and ES 800M bring together a hybrid milling and grinding technology to help ECPs ensure absolute axis control, even for slippery, hydrophobic, or delicate lenses
- With the eco-friendly dry-cut technology, ES 700M and ES 800M can also reduce wet lens waste and unwanted odors

DESIGNED WITH ECPs AND CUSTOMERS IN MIND

- High-quality materials and sleek modern silhouettes, an easy fit in any workspace
- Compact and user-friendly edging systems
- Ergonomic multi-touch screens and an intuitive interface

INSPIRE YOUR CUSTOMERS AND REVEAL YOUR CREATIVITY

- ES 800 and 800M are the perfect solution to demonstrate your craftsmanship and reinforce your expertise
- With the M'EYE CUSTOM web app, ECPs can inspire customers with unique personalized eyewear styles
- Easily engrave lens with M'Eye Sign™, customize lens shape with M'Eye Shape™, offer clip-on solutions with M'Eye Clip™, and even integrate crystal pavé with M'Eye Diamond™

▼ Need Essibox® solution

NEKSIA™ SERIES

The efficient edging solutions for the daily workflow



EASIER WORKING PROCESS

- 8.4-inch user-friendly touchscreen
- Fast-access settings
- 1,000-job database

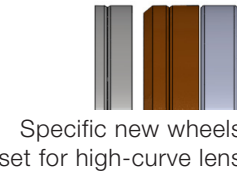
EXPERIENCE WORKFLOW EFFICIENCY

- Fast, easy and extended frame tracing
- Automatic drilling-hole recognition
- Convenient centering and blocking

ACHIEVE HIGH PERFORMANCE

- Improved axis accuracy
- Best automatic cycles
- Patented flexible chamfering wheel

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





# DELTA SERIES

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

## PROFIT FROM A COMPACT. HIGH-PERFORMANCE SYSTEM THAT COVERS ALL THE ESSENTIALS

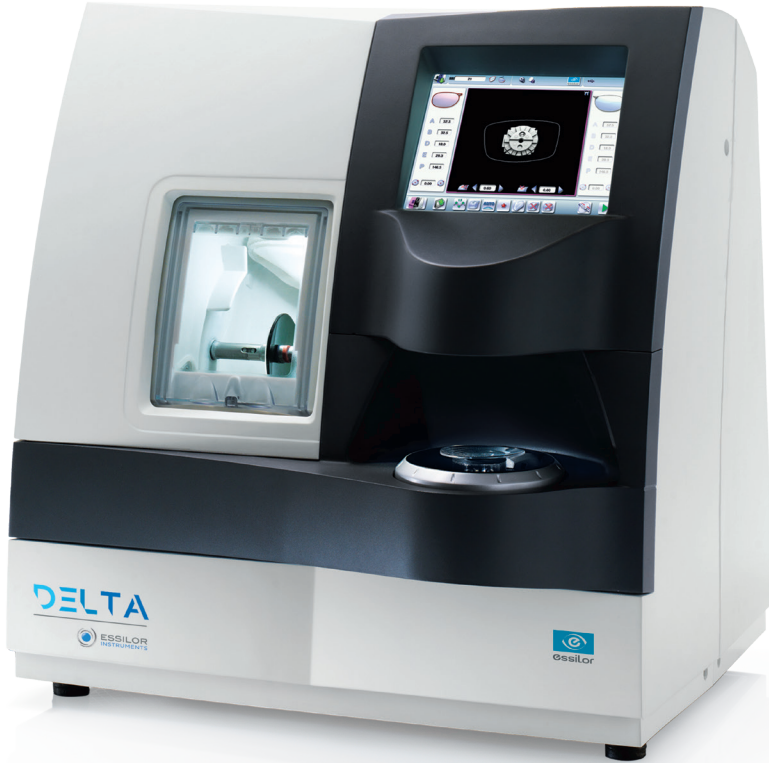
- Tracing of all types of lenses including demo lenses and recut lenses
- Centering and blocking of all kinds of corrective lenses including recut lenses
- Edging of all types of materials up to base 6 including hydrophobic lenses

## NO COMPROMISE ON THE AESTHETIC RESULTS

- Advanced bevel and grooving placement features with the ideal bevel position
- Automatic setting of the grooving/drilling angle according to the lens curve up to 15°

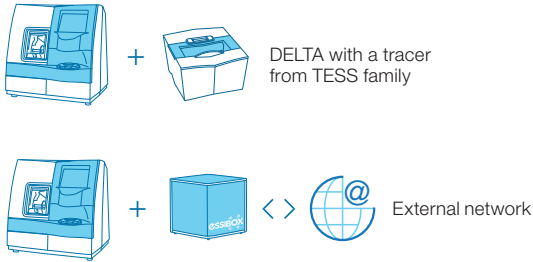
## MANAGE ALL TASKS USING AN ALL-IN ONE HIGH-PERFORMANCE DISPLAY

- Natural posture reducing muscle stress
- No need to move from one piece of equipment to another



## CONNECT YOUR DELTA WHEN NEEDED

For very special frames or for remote edging services, Delta can be connected:

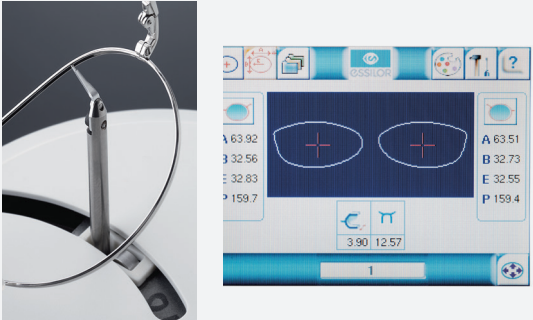


| DELTA 300        |                  |
|------------------|------------------|
| Chamfering       | Chamfering       |
| Grooving         | Grooving         |
| Polishing        | Polishing        |
| Flat-edge finish | Flat-edge Finish |
| Bevel            | Bevel            |
| Centering        | Centering        |
| Manual blocking  | Manual blocking  |
| Optical tracing  | Optical tracing  |

# TRACER SOLUTIONS

Complete range to meet all the professional needs

## REMOTE EDGING SOLUTIONS



Patented frame groove acquisition for a perfect lens size adjustment and fitting

## REINFORCE TRACING TABLE FOR LAB VOLUME\*



A pedal (optional)  
Start the blocking process without touching the screen.



Pro-B 300 With or without robust reinforced tracing table

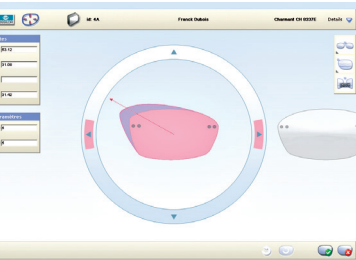


Weco block compatibility

| PROB 300 Centering-Blocking       | PROB 300 Tracing Centering-Blocking |
|-----------------------------------|-------------------------------------|
| Auto-recognize holes              | Auto-recognize holes                |
| Advanced creative shape           | Advanced creative shape             |
| Pedal for blocking (option)       | Pedal for blocking (option)         |
| Weco block compatibility          | Weco block compatibility            |
| Semi-automatic centering-blocking | Semi-automatic centering-blocking   |
| Lab use                           | Lab use                             |
| Shape                             | Shape and drilling libraries        |
| -                                 | Reinforced table (>100k jobs)       |
| User comfort                      | User comfort                        |
| Shape modification                | Shape modification                  |
| High-curve shapes (up to base 9)  | High curve frame (up to base 9)     |

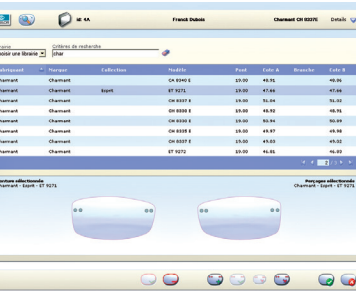
\*Lifetime: more than 100,000 jobs

Essibox connects multiple devices and centralizes all data flows for higher lab efficiency and lower errors. Designed around an open communication system, it is an upgradable solution that enables the addition of new functions and services to improve the configuration and profitability.



CREATION OF PERSONALIZED SHAPES AND DRILLING PATTERNS

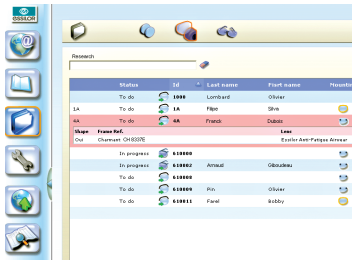
- Shape- and drilling-creation module
- A user-friendly design based on the underlying principles used for computer-aided design software



UNLIMITED STORAGE CAPACITY AND INTEGRATED DATABASE

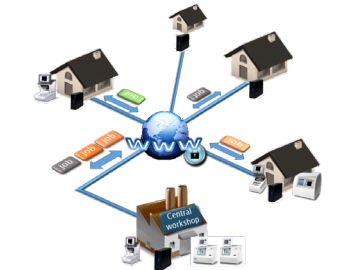
Create an unlimited archive of shapes and drilling models with easy management of the libraries:

- Multi-criteria searches (search by manufacturer, by collection or by model)
- Immediate visualization of the shape and related drilling pattern



JOB MANAGEMENT AND LMS (LAB MANAGEMENT SOFTWARE) CONNECTION

- Automatic data transfer (shape, prescription, height, PD, lens type, etc.) to the centering and edging system with barcodes
- Visualization and management of all jobs and their states of progress
- Full integration within the lab and/or storage network for easy and quick access



MULTI-SITE

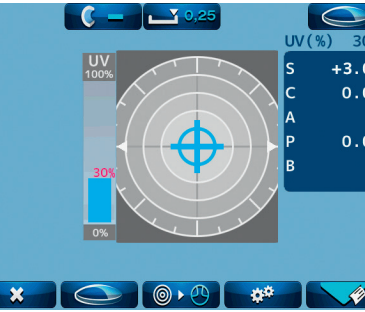
Centralized workshop and/or job transfer between shops:

- Delegation for capability needs
- Delegation for functionality needs (creative shape, etc.).
- Delegation for availability



EXTENDED MEASURING CAPACITIES

Lens support adapted to all lenses, frame curves and high base curves. The wide space under the base allows excellent positioning of frame templates.



UV TRANSMISSION

Measurement of lens power and UV transmission are simultaneously carried out and displayed on the main screen.



INTER-PUPILLARY DISTANCE

An exclusive design featuring two nose supports makes operations simple and efficient.



ALM 500



ALM 700



ALM 800

ALM 500

Green light beam

Automatic detection of lens type

Printer

Data transfer

Tilting color screen

All types of lenses and frames measurement

ALM 700

UV transmission measurement

Inter-pupillary distance measurement

Curved and tinted lenses measurement

Touch screen

Green light beam

Automatic detection of lens type

Printer

Data transfer

Tilting color screen

All types of lenses and frames measurement

ALM 800

Quantification of blue-violet light

UV transmission measurement

Inter-pupillary distance measurement

Curved and tinted lenses measurement

Touch screen

Green light beam

Automatic detection of lens type

Printer

Data transfer

Tilting color screen

All types of lenses and frames measurement

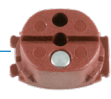


LAB ACCESSORIES

CONSUMABLES



Edging block  
Ø 22 mm  
pack of 20  
Ref: GAM222



Edging block  
Ø 18 x 14 mm  
pack of 20  
Ref: GAM218



Edging block  
Ø 22 mm pack  
of 10 - Right (blue)  
ES series  
Ref: GAM232



Edging block  
Ø 18 x 14 mm pack  
of 10 - Right (blue)  
ES series  
Ref: GAM238



Edging block  
Ø 22 mm pack  
of 10 - Left (red)  
ES series  
Ref: GAM233



Edging block  
Ø 18 x 14 mm pack  
of 10 - Left (red)  
ES series  
Ref: GAM239



Weco/Vario  
blocker holder  
Ref: M40A17



Blocker holder  
Ø 22 mm  
left side  
Ref: M24A16



Blocker holder  
Ø 18 x 14 mm  
left side  
Ref: M24A15



Edging pads  
Ø 22 mm roll  
of 1000  
Ref: GAM403



Edging pads  
Ø 18 x 14 mm roll  
of 1000  
Ref: GAM316



Pad Aligner  
ES series  
Ref: L80K02

MOUNTING TOOLS



Hand Edger  
All materials  
Ref: N65806  
N65802



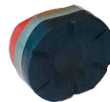
PAL Engraving  
Identifier Plus  
Ref: PAL-ID2



Lens Inspection  
Station Plus  
Ref: PAL-ID3



Ink marking remover  
Ref: 99-AOE



Weco/Vario clip-on  
clamping chuck,  
19 -17  
Ref: M24A19

Discover our wide range  
of consumables on  
[EssilorInstrumentsUSA.com/store](https://EssilorInstrumentsUSA.com/store)

SPECIFICATIONS

Edging Functions

|                                     | Delta 200 | Delta 300      | Neksia 400 | Neksia 500 | Neksia 550               | Neksia 600     | Neksia 650               | ES™ 700                  | ES 700M                  | ES 800                   | ES 800M                  | Pro-E™ 600               | Pro-E 700                |
|-------------------------------------|-----------|----------------|------------|------------|--------------------------|----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 110V (4 wheels) ①                   |           | M16885         |            |            |                          |                |                          |                          |                          |                          |                          |                          |                          |
| 110V (3 wheels) ②                   | M16875    |                | M25105     | M25175     | M25178                   | M25185         | M25188                   | M8000006                 | M8000005                 | M9000006                 | M9000005                 | M40157                   | M40159                   |
| 220V (4 wheels) ①                   |           |                |            |            |                          |                |                          |                          |                          |                          |                          |                          |                          |
| 220V (3 wheels) ②                   |           |                |            |            |                          |                |                          |                          |                          |                          |                          | M40057                   | M40059                   |
| Bevel                               | ✓         | ✓              | ✓          | ✓          | ✓                        | ✓              | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |
| Mini Bevel                          |           |                |            |            |                          |                |                          |                          |                          | ✓                        | ✓                        | ✓                        | ✓                        |
| Flat-edge Finish                    | ✓         | ✓              | ✓          | ✓          | ✓                        | ✓              | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |
| Polishing                           | ✓         | ✓              | ✓          | ✓          | ✓                        | ✓              | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |
| Grooving                            | ✓         | ✓              |            | ✓          | ✓                        | tilt 15°       | tilt 15°                 | tilt up to 30°           | tilt up to 30°           | tilt up to 30°           | tilt up to 30°           | tilt up to 30°           | tilt up to 30°           |
| Chamfering                          | ✓         | ✓              |            | ✓          | ✓                        | ✓              | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |
| Drilling                            |           | tilt up to 15° |            |            |                          | tilt up to 15° | tilt up to 15°           | tilt 0-30°               | tilt 0-30°               | tilt 0-30°               | tilt 0-30°               | tilt 0-30°               | tilt 0-30°               |
| All types of mixed jobs             |           |                |            |            |                          |                |                          | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |
| Milling<br>(Super hydrophobic lens) |           |                |            |            |                          |                |                          |                          | ✓                        |                          | ✓                        | ✓                        | ✓                        |
| High-curve Bevel                    |           |                |            |            | Up to wrap 25°<br>Base 8 |                | Up to wrap 25°<br>Base 8 | Up to wrap 30°<br>Base 9 | Up to wrap 30°<br>Base 9 | Up to wrap 30°<br>Base 9 | Up to wrap 30°<br>Base 9 | Up to wrap 30°<br>Base 9 | Up to wrap 30°<br>Base 9 |
| Step Bevel                          |           |                |            |            |                          |                |                          |                          |                          | Height up to<br>3.5 mm   | Height up to<br>5.5 mm   | Height up to<br>5.5 mm   | Height up to<br>5.5 mm   |
| Super Chamfering                    |           |                |            |            |                          |                |                          |                          |                          |                          |                          |                          | ✓                        |
| Half Jacket®                        | ▼         |                |            |            |                          |                |                          |                          |                          |                          | ✓                        |                          | ✓                        |
| Engraving                           | ▼         |                |            |            |                          |                |                          |                          |                          | ✓                        | ✓                        |                          | ✓                        |
| Creative Shape                      | ▼         |                |            |            |                          |                |                          |                          |                          | ✓                        | ✓                        |                          | ✓                        |
| Chemistrie™ (clip)                  |           |                |            |            |                          |                |                          |                          |                          | ✓                        | ✓                        |                          | ✓                        |
| Weco block type adaptor             |           |                | ✓          | ✓          | ✓                        | ✓              | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        | ✓                        |

All 220VAC machines are special order except the Pro-E series.

①② Plastic, MHI, PC, Trivex, Tribrid

① Mineral / Glass

▼ Need Essibox® solution

SPECIFICATIONS

Tracing Functions

|  | Tess         | E-Tess       | Neksia 400, 500, 600, and 650  | Neksia 550   | ES™ 700 ES 700M | ES 800 ES 800M | L-Tess       | Pro-B 300 CB <sup>1</sup> | Pro-B 300 TCB <sup>2</sup> |
|--|--------------|--------------|--|--------------|-----------------|----------------|--------------|---------------------------|----------------------------|
| Standalone tracers or those mating to the edgers | L12034       | L11002       | L20012   | L20012       | L800002         | L800002        | L11012       | L13052                    | L13062                     |
| Mechanical Tracing                               |              |              |  |              |                 |                |              |                           |                            |
| Curve frame                                      | Up to base 9 | Up to base 9 | Up to base 6<br>Neksia 400, 500, and 600<br>Up to base 8<br>Neksia 650 | Up to base 8 | Up to base 9    | Up to base 9   | Up to base 9 |                           | Up to base 9               |
| Optical Tracing                                  |              |              |  |              |                 |                |              |                           |                            |
| Advanced (creative shape)                        |              |              |  |              | ✓               | ✓              |              |                           | ✓                          |
| Auto recognize holes                             |              |              | ✓  |              | ✓               | ✓              |              |                           | ✓                          |
| Centering-Blocking                               |              |              |  |              |                 |                |              |                           |                            |
| Shape deformation                                |              | ✓            | ✓  |              | ✓               | ✓              | ✓            | ✓                         | ✓                          |
| Semi-auto  |              |              | ✓  |              | ✓               | ✓              |              | ✓                         | ✓                          |
| Auto   |              |              | ✓  | ✓            |                 | ✓              | ✓            | ✓                         | ✓                          |
| Ergonomic  |              |              |  |              |                 |                |              |                           |                            |
| Quick block loading                              |              |              |  |              |                 | ✓              |              |                           |                            |
| Blocks and pads storage                          |              |              |  |              |                 | ✓              |              |                           |                            |
| Weco block compatibility                         |              |              |  |              |                 |                | ✓            | ✓                         |                            |
| Pedal for blocking                               |              |              |  |              |                 |                | option       | option                    |                            |

1 Centering-Blocking  
2 Tracing-Centering-Blocking  
3 Neksia 600 and 650 only  
4 Option for auto-blocking with the L14042 tracer-blocker for the Neksia and Pro-E series.

SPECIFICATIONS

Technical Design

|  | Delta 200        | Delta 300        | Neksia 400       | Neksia 500       | Neksia 550       | Neksia 600 and 650 | ES™ 700          | ES 700M          | ES 800           | ES 800M          | Pro-E™ 600      | Pro-E 700       |
|--|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| Precision                                      |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                 |                 |
| Temperature compensated reproducer             |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Strain gauge (constant effort measurement)     |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Advanced clamping system                       |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Mechanical compensation system (drill)         |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Feeler metal pin (constant shape)              |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| 1-star cycle                                   | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| 2-star cycle                                   | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                |                  |                  |                 |                 |
| Advanced 2-star cycle                          |                  |                  |                  |                  |                  |                    | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Milling - Dry cut                              |                  |                  |                  |                  |                  |                    |                  | ✓                |                  | ✓                | ✓               | ✓               |
| Robustness                                     |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                 |                 |
| Small tools module maintainability             | complete         | complete         |                  | complete         | complete         | complete           | 2 spindles       | 2 spindles       | 3 spindles       | 3 spindles       | 3 spindles      | 3 spindles      |
| Reinforced tools (lifespan increased)          |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Reinforced stucture and parts                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Easy and quick access                          |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Robotic cables and connectors                  |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Easy and fast maintenance (integrated process) |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Preventive maintenance plan                    | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Integration                                    |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  |                 |                 |
| OMA protocol                                   | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Essibox® compatibility                         | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Embedded remote maintenance <sup>1</sup>       | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| 1 start button                                 |                  |                  |                  |                  |                  |                    |                  |                  |                  |                  | ✓               | ✓               |
| Barcode reader                                 | option           | option           | option           | option           | option           | option             | option           | option           | option           | option           | integrated      | integrated      |
| No need of compressed air and vacuum           | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                  | ✓                | ✓                | ✓                | ✓                | ✓               | ✓               |
| Capacity recommendation (1 unit)               | 10-20 jobs/shift | 10-20 jobs/shift | 20-40 jobs/shift | 20-40 jobs/shift | 20-40 jobs/shift | 20-40 jobs/shift   | 40-80 jobs/shift | 40-80 jobs/shift | 40-80 jobs/shift | 40-80 jobs/shift | > 80 jobs/shift | > 80 jobs/shift |

1 Including remote machine memory upgrade, remote control assistance, remote machine settings, remote errors analysis and troubleshooting



# WORLDWIDE LEADER IN FINISHING SYSTEMS



Essilor Instruments USA | 8600 W. Catalpa Avenue, Suite 703 | Chicago, IL 60656 - USA | Phone: 855.393.4647  
Email: [info@essilorinstrumentsusa.com](mailto:info@essilorinstrumentsusa.com) | [www.EssilorInstrumentsUSA.com](http://www.EssilorInstrumentsUSA.com)

As improvements are made, these specifications and pictures are not contractually binding and may be changed without prior notice.

© Essilor Instruments USA 03/2024. All rights reserved.