EssilorLuxottica





WORLDWIDE LEADER IN FINISHING SYSTEMS







ES 800m

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Standard and Advanced Finishing



BEVEL, FLAT EDGE, POLISHING

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 highcurve lens

Examples

3 wheels set	4 wheels set

DURABLE LIFE TIME

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

MAINTENANCE

- Easy replacement depending on the model. Available with the ES[™] series and the ES PRO[™] series.
- Easy size adjustment



cleaning kit

Refer to your technician for additional information

Available on all edgers 3 wheels set: Neksia™ 550, ES PRO 700M, ES PRO 800M 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, ES PRO 700M, ES PRO 800M

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



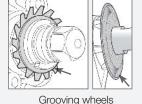
Available on Tilt 15°: Neksia D Tilt 0-30°: ES 700, ES 700M, ES 800, ES 800M, ES PRO 700M, ES PRO 800M

З

Standard and Advanced Finishing



- Integrated grooving function
- Grooving wheel design to secure the groove width stability regardless of the lens curve

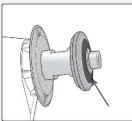


- Adjustable width from 0.6 mm to 1.2 mm
- Adjustable depth from 0.2 mm to 1.2 mm

Available on all edgers Tilt 15°: Neksia™ D Tilt up to 30°: ES™ 700, ES 700M, ES 800, ES 800M, ES PRO™ 700M, ES PRO 800M



- 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, ES PRO 700M, ES PRO 800M

- 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 aestheticallypleasing merge between sectors



Available on ES 700, ES 700M, ES 800, ES 800M, ES PRO 700M, ES PRO 800M



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



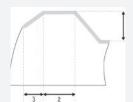
Available on all edgers

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



Cross-sectional view of a high-base bevel



1: Value of shelf bevel of rear surfaceShap2: Width of the flat side of the beveletc

3: Front surface tracking value

etc.) defined up to 8 locations



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

Available on Up to wrap 25°, Base 8: Neksia 550, Up to wrap 30°: Base 9: ES™ 700, ES 700M, ES 800, ES 800M, ES PRO™ 700M, ES PRO 800M



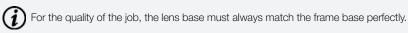
A step-bevel profile is particularly suited for rimmed sport frames and safety glasses with:



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



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, ES PRO 700M, ES PRO 800M

Specific Jobs

ENGRAVING

A unique engraving process, easy-touse 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.





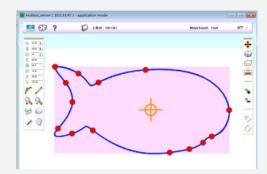
A unique engraving tool, non-invasive for the coating

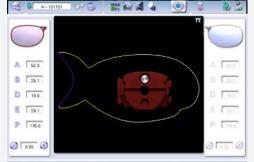
Available on ES™ 800, ES 800M, ES PRO™ 800M

CREATIVE SHAPE

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:

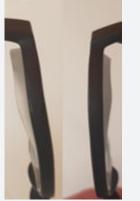
Drill bit High-base wheel Large wheel

> Available on ES 800, ES 800M, ES PRO 800M



SUPER CHAMFERING

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 ES PRO 800M

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



- 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/bluecut 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 ES PRO[™] 800M)

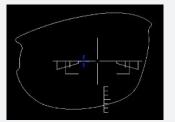
Available on ES[™] 800, ES 800M and ES PRO[™] 800M

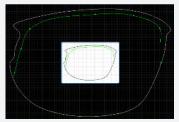


The Half Jacket endurance sport frame requires partial step beveling to fit into a portion of the frame and protrusions on the lens to hook into indentations in the frame groove.



- 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 800M and ES PRO 800M

ES PRO[™] SERIES

Elevate your edging standards



ES PRO 700M



ES PRO 700M is a robust in-lab finishing solution to boost your productivity and expand your lab's capabilities.

DRIVE YOUR PRODUCTIVITY

- Edging time reduced by up to 41%¹
- On average 25% faster vs. PRO-E[™] 600/700
- Milling time reduced by up to 57%¹

INTEGRATE WITH EASE

- Enjoy quick installation and ergonomic experience
- Smooth synchronization. Easy calibration
- Maintain with ease for maximum uptime

CRAFT WITH PRECISION

- Aesthetic and robust mountings
- Edging precision built on state-of-the-art innovation
- Avoid axis-deviation risks and prioritize safe mountings
- Offers a responsible edging approach through its milling function
- Water consumption can be reduced by as much as 66%

ES PRO[™] SERIES

Supercharge your edging system.



ES PRO 800M is a cutting-edge in-lab finishing solution to boost your productivity and expand your lab's capabilities.

It combines precision, versatility, robustness, and speed to provide a comprehensive solution and greater capabilities.

EXCEED CUSTOMER EXPECTATIONS

Enhance your lab's capabilities and maximize your offerings

- Thick-lens management
- Half Jacket® sports frame mountings
- Superchamfer function to offer comfort to wearers of athleisure eyewear
- m'eye CUSTOM[™] web app to showcase various customization possibilities











ES[™] SERIES

Cutting-edge technology to master edging and reveal creativity



NEKSIA[™] SERIES

A robust and high-performing in-store edging system







NEKSIA v2 TRACER

NEKSIA

HARNESS AN INTUITIVE SYSTEM

- Seamless navigation
- Personalized interaction
- Fully-guided precision

BOOST WORKFLOW EFFICIENCY

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

ACHIEVE HIGH PERFORMANCE

- Ensure axis accuracy
- Secure aesthetic and snug fit
- Avoid risks of breakage
- Offer high-curve eyewear

NEKSIA 600 NEKSIA 650

		NEKSIA 550	Drilling Tilt 0-15°	Drilling Tilt 0-15°
	NEKSIA 500	High-Curve Bevel	-	High-Curve Bevel
	Chamfering	Chamfering	Chamfering	Chamfering
NEKSIA 400	Grooving	Grooving	Grooving	Grooving
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

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°

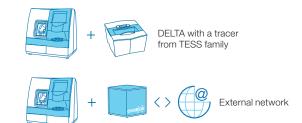
MANAGE ALL TASKS USING AN ALL-IN ONE HIGH-PERFORMANCE DISPLAY

- 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

DELTA 200	Drilling Tilt 0-15°
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

1

C TT

3.90 12.57

63.92

3 32 56

32.83

1597

REMOTE EDGING

SOLUTIONS

secor

TESS

Patented frame

groove acquisition for a perfect lens size adjustment and fitting

Complete range to meet all the professionnal needs

71 1?

A 63.51

B 32.73

E 32,55

P 159.4

.

E-TESS



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

Weco block

compatibility

LTESS"

Lab use

Shape

Reinforced table

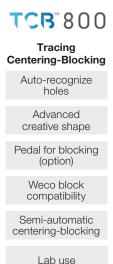
(>100k jobs)

User comfort

(up to base 9)



TCB 800



Lab use

Shape and drilling librairies

Unlimited

User comfort

Shape modification

High curve frame

(up to base 10)

User comfort

ETESS

Shape

TESS Shape modification Shape modification High-curve shapes High-curved shapes

High-curve shapes (up to base 9) (up to base 9)

PRO-B 300



REINFORCE TRACING TABLE

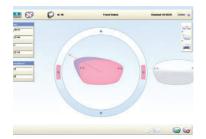
L-TESS

*Lifetime: more than 100,000 jobs

ESSIBOX®

The connectivity solution to increase the lab efficiency

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

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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

LENSMETERS

Simple and reliable measurement





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 temples.



UV TRANSMISSION

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



INTER-PUPILLARY DISTANCE

An exclusive design featuring operations simple and efficient.





	r
	ALM 800
700	Quantification of blue-violet light
nsmission urement	UV transmission measurement
lary distance urement	Inter-pupillary distance measurement
and tinted easurement	Curved and tinted lenses measurement
n screen	Touch screen
ight beam	Green light beam
c detection ns type	Automatic detection of lens type
inter	Printer
transfer	Data transfer
olor screen	Tilting color screen
of lenses and	All types of lenses and

frames measurement

LAB ACCESSORIES

CONSUMABLES

Discover our wide range of consumables on EssilorInstrumentsUSA.com/store

. Edging block Edging block Edging block Edging block Edging block Edging block Ø 22 mm Ø 18 x 14 mm Ø 22 mm pack Ø 18 x 14 mm pack Ø 22 mm pack Ø 18 x 14 mm pack pack of 20 pack of 20 of 10 - Right (blue) of 10 - Right (blue) of 10 - Left (red) of 10 - Left (red) Ref: GAM222 Ref: GAM218 ES series ES series ES series ES series Ref: GAM232 Ref: GAM238 Ref: GAM233 Ref: GAM239 Weco/Vario Blocker holder Blocker holder Edging pads Edging pads Pad Aligner blocker holder Ø 22 mm Ø 22 mm roll Ø 18 x 14 mm roll ES series Ø 18 x 14 mm of 1000 of 1000 Ref: L80K02 Ref: M40A17 left side left side Ref: GAM403 Ref: GAM316 Ref: M24A16 Ref: M24A15 MOUNTING TOOLS **MEASURING TOOLS**





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	ES PRO™ 700M	ES PRO 800M
	110V (4 wheels) ①													
	110V (3 wheels) ②	M16875	M16885		M2500009	M2500010	M2500011	M2500012	M8000006	M8000005	M9000006	M9000005	M4000003	M4000004
	220V (4 wheels) ①													
	220V (3 wheels) ②												M4000001	M4000002
	Bevel	✓	✓	✓	✓	✓	~	~	~	~	✓	✓	✓	~
	Mini Bevel										✓	✓	✓	~
	Flat-edge Finish	✓	✓	~	✓	✓	✓	✓	✓	~	✓	✓	✓	~
	Polishing	✓	✓	✓	✓	\checkmark	✓	✓	✓	~	✓	✓	✓	~
	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	✓	✓		✓	\checkmark	✓	✓	✓	~	✓	✓	✓	~
Ø	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°
00	All types of mixed jobs								~	~	~	~	~	~
9	Milling (Super hydrophobic lens)									✓		~	✓	✓
	High-curve Bevel					Up to wrap 25° Base 8		Up to wrap 25° Base 8	Up to wrap 30° Base 9	Up to wrap 30° Base 9	Up to wrap 30° Base 10			
	Step Bevel										Height up to 3.0 mm	Height up to 5.5 mm	Height up to 5.35 mm	Height up to 5.35 mm
	Super Chamfering													~
0	M'Eye SportRx™ (Half Jacket®)											~		~
Ø	M'Eye Sign™ (Engraving)	l									✓	✓		~
600	M'Eye Shape™ (Creative Shape)	l									~	~		~
6	M'Eye Clip™ (Chemistrie clip)										~	~		~
Ø	M'Eye Diamond™ (Crystal pavé)										~	~		~
	Weco block type adaptor			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SPECIFICATIONS

Tracing Functions

	Tess	E-Tess	Neksia 400, 500, 600, and 650	Neksia 550	ES™ 700 ES 700M	ES 800 ES 800M	L-Tess	TCB 800
Standalone tracers or those mating to the edgers	L12034	L11002	L1300002	L1300002	L8000002 L1300002	L8000002 L1300002	L11012	L8000002
Mechanical Tracing								
Curve frame	Up to base 9	Up to base 9	Up to base 6 Neksia 400, 500, and 600 Up to base 8 Neksia 650	Up to base 8	Up to base 9	Up to base 9	Up to base 9	Up to base 10
Optical Tracing								
Advanced (creative shape)					\checkmark	✓		~
Auto recognize holes			✓		✓	✓		✓
Centering-Blocking								
Shape deformation		✓	✓		✓	✓	✓	✓
Semi-auto			✓		\checkmark	✓		✓
Auto			✓	\checkmark		✓		✓
Ergonomic								
Quick block loading						\checkmark		
Blocks and pads storage						~		
Weco block compatibility								~
Pedal for blocking								option

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	ES PRO™ 700M	
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									\checkmark		~	✓	
Robustness													
Small tools module maintenability	complete	complete		complete	complete	complete	2 spine	dles	3 spindles	2 spindles	3 spindles	3 spindles	3
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 ¹	~	~	~	✓	✓	✓	✓		✓	~	✓	~	
1 start button												✓	
Barcode reader	option	option	option	option	option	option	optic	on	option	option	option	integrated	i
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 j shif		40-80 jobs/ shift	40-80 jobs/ shift	40-80 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





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