



ES 800

REVEAL
YOUR
CREATIVITY

 **ESSILOR**
INSTRUMENTS

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ES 800



ACCELERATED CYCLE TIME¹

-20%

Centering & blocking time is reduced by up to **20%**

-75%

Optical tracing time is reduced by up to **75%**
including drilling hole detection

-19%

Edging time is reduced by up to **19%** through the
implementation of the Fast-Roughing Cycle (FRC)

DECADES OF BUILDING TRUST IN FINISHING

Since 1954, Essilor Instruments has been a pioneer in the finishing industry, serving Eye Care Professionals (ECPs). Essilor Instruments sets the benchmark in finishing performance, quality, innovation and service to ECPs globally through its worldwide network of technical experts.²

ES™ 800 is a compact and easy to use in-store finishing system, composed of the **ES™ 800** edger and **TCB™ 800**, Automatic Tracer-Centerer-Blocker (TCB). A hybrid version, **ES™ 800M**, combining **milling and grinding**, **secures the edging** of slippery or delicate lenses and prevents axis deviation risks.

Its state-of-the art technologies³ provide unparalleled⁴ edging and customization possibilities. Combined with the **M'Eye Custom™** web app, you can showcase your **craftsmanship** with unique styles, reinforce your **expertise** and enhance **the value of your work**.

1-Internal PQV study performed in 2023 - The improvements are demonstrated in a comparison between ES™ 800 and Mr Blue 2.0 finishing systems, for rimmed frame without chamfering or polishing. 2-EssilorLuxottica_DEU_2022 performed in 2022. 3-more details in continuation. 4-As per Internal marketing analysis performed in April 2023 on premium products available on the market. Global Lens Edger Market Report performed by QYResearch in November 2019.

1 OPT FOR THE ULTIMATE EDGING PRECISION

PERFORMING THE MOST
DEMANDING CUSTOMIZED
MOUNTINGS¹



PERFECT TRACING & CENTERING

TCB™ 800 automatically harmonizes frame base trajectory and adjusts centering data based on the 3-D parameters ensuring a right fit. It compensates for any decentrations induced by the frame curvature. A pad positioner helps operators correctly position the pad on the edging block.

FULL HIGH CURVE TECHNOLOGY²

Avoid risks of breakage up to base 10 for wrap-around frames with a self-adjusting process combining a roughing cycle that automatically adapts to the curves of lenses. Optimize bevel placement and shelf depth for safe mounting without undue lens stress.

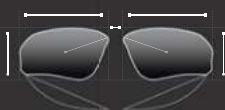
FIT 4 FRAME 2.O TECHNOLOGY²

Ensure aesthetic and robust mountings through a diverse array of bevels, accommodate various groove profiles, including both front and back step bevels. Modify the lens shape on 8 different points of its perimeter for extremely precise customization.

2 ENJOY A SUPERIOR USER EXPERIENCE COMBINED WITH A COMFORTABLE HEADS-UP DISPLAY

DID YOU KNOW?

Thanks to TCB™ 800, you can benefit from a large & regularly updated frame library including OMA shape files.



ELEGANT & COMPACT DESIGN

Discover a sleek modern silhouette with high-quality materials and an ergonomic 12-inch tiltable multi-touch screen heads-up display and enjoy a comfortable navigation experience with 3D views that showcase every detail.

PERSONALIZED INTERACTION

Benefit from personalized device settings for operators using their user profile and a favorites function for quick access to recurring tasks.

EASY TO PLAY INTERFACE

Explore a seamless and intuitive interface, making in-store finishing easy and efficient for operators with varying levels of expertise.

1-Demanding Customized mountings require specific parameters such as high base curves and specific bevel profiles, and offer customization options like lens engraving, unique shapes, clip-ons, and crystal pavé. 2-Essilor Instruments gives its utmost importance to develop innovation and protect it with the appropriate patent filing.

INSPIRE CUSTOMER WITH UNIQUE PERSONALIZED EYEWEAR STYLES¹

WITH ES™ 800 AND ITS M' EYE CUSTOM™
WEB APP, TAKE A LEAP FORWARD IN LENS
CUSTOMIZATION.

m'eye CUSTOM™

Engage customers with an interactive shopping experience by allowing them to visualize different lens personalization and enhance their connection to the product.

M' EYE SIGN™

Engrave your lenses with a personal touch thanks to a library of 400 icons and 20 font options, conveniently categorized in TCB™ 800 for easy selection.

M' EYE SHAPE™

Express your unique style by customizing lens shape with 100 integrated design options, categorized in 3 themes: Classic, Original and Trendy.



M' EYE CLIP™

CHEMISTRIE Enhance eyewear versatility by adding a magnetic clip, featuring fully polarized sun protection

CHEMISTRIE Blue-light filtering

CHEMISTRIE 3D passive technology for movies and television

CHEMISTRIE Optimized reader lenses for small print & writing

CHEMISTRIE M'Eye Clip™ uses the technology of Chemistrie.

M' EYE DIAMOND™²

Shine like a diamond. Decorate your lenses by choosing from a range of 20 crystal pavé designs and mix & match with 10 different colors.

¹-Unique eyewear styles are made possible thanks to customization options such like lens engraving, creative shapes, clip-ons, and crystal pavement insertion.

²-M'Eye Diamond function available soon.

4 OPTIMIZE AXIS PRECISION

ES™ 800

WITH REAL TIME CONTROL OF CUTTING FORCES, THE ROUGHING CYCLE AUTOMATICALLY ADAPTS TO THE CURVES OF LENSES UP TO BASE 10.

Giving better prowess and avoiding risks of breakage.

The bevel placement and shelf depth are optimized for safe mounting without undue stress on lens.



ES™ 800M

RAISE YOUR GAME WITH ABSOLUTE AXIS CONTROL¹ WITH ES™ 800M. THANKS TO ITS HYBRID MILLING & GRINDING TECHNOLOGY²

DUAL-EDGING TECHNOLOGY

Master very slippery hydrophobic or delicate lenses and prevent axis deviation risks.

ECO-FRIENDLY³

Reduce wet lens waste and unwanted odors with dry cut technology, without water.

1-Essilor Instruments gives its utmost importance to develop innovation and protect such innovation with the appropriate patent filing.

2-Milling is available on ES™ 800M. 3-Internal analysis on water consumption performed in 2023.

REVEAL YOUR CREATIVITY FUNCTIONS

 M'Eye Custom™ web app	ES™ 800 combined with TCB™ 800	ES™ 800M combined with TCB™ 800
 M'Eye Sign™ (Engraving)	●	●
 M'Eye Shape™ (Creative shape)	●	●
 M'Eye Clip™ (Chemistrie clip)	●	●
 M'Eye Diamond™ (Crystal pavé)	●	●
 M'Eye SportRx™ (Half Jacket)	NA	●

MASTER YOUR EDGING FEATURES

 Myopia Fit Automatic & Manual centering	●	●
Advanced optical tracing mode for highly complex lens zones and automatic drilling hole detection	●	●
 FULL High Curve™: 3D Binocular mechanical tracing	●	●
 Fit 4 Frame Technology 2.0: Aesthetic and robust mountings in all finishes	●	●
Automatic Centering & Blocking with automatic adjustment of the centering data based on the 3-D parameters of the frame	●	●
Hydrophobic lens Management	Via Roughing	Via Milling
Fast Roughing Cycle (FRC)	●	●
Remote maintenance and software and library update including Embedded OMA shapes	●	●
Front side USB stick slot to integrate OMA shapes in local library	●	●
Job management	●	●

FINISHINGS FEATURES

 Bevel /Flat /Polish / Chamfering	●	●
 Grooving & Drilling Tilt up to 30°	●	●
 Mixed Finishing	●	●
 High Curve bevel up to wrap 30° base 10	●	●
 Shelf or asymmetric bevel with ajustable height	●	●
 Mini-bevel	●	●
 Step bevel	up to 3 mm depth	up to 5,5 mm depth
 Back step bevel & Inclined back step bevel	●	●

OTHER FEATURES

Screen Size TCB & Edger and position	12" / 16:9 — Multitouch Tilttable Top vertical heads up display
Dimensions Edger HxWxD (mm) and Weight (kg)	H: 625 — W: 585 — D: 515 — 64 Kg
Dimensions TCB (Tracer-centerer-blocker) HxWxD (mm) and weight (kg)	H: 597 — W: 306 — D: 515 — 25,9 kg
Power consumption & Power supply voltage TCB (Tracer-centerer-blocker)	250W — 240 - 110 V ~ 60/50 Hz 5-3 A
Power consumption & Power supply voltage Edger	1350W - 220 - 240 V ~ 60/50 Hz 10 A 2000W - 100 - 120 V ~ 60/50 Hz 12 A



CE

Made in France.

Please read the user manual attentively

ES™ 700, ES™ 800, TCB™ 800, Mr Blue 2.0®, Mr Orange®, M'Eye Sign™, M'Eye Shape™, M'Eye Clip™, M'Eye Diamond™, M'Eye Custom™ are trademarks of Essilor International.

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