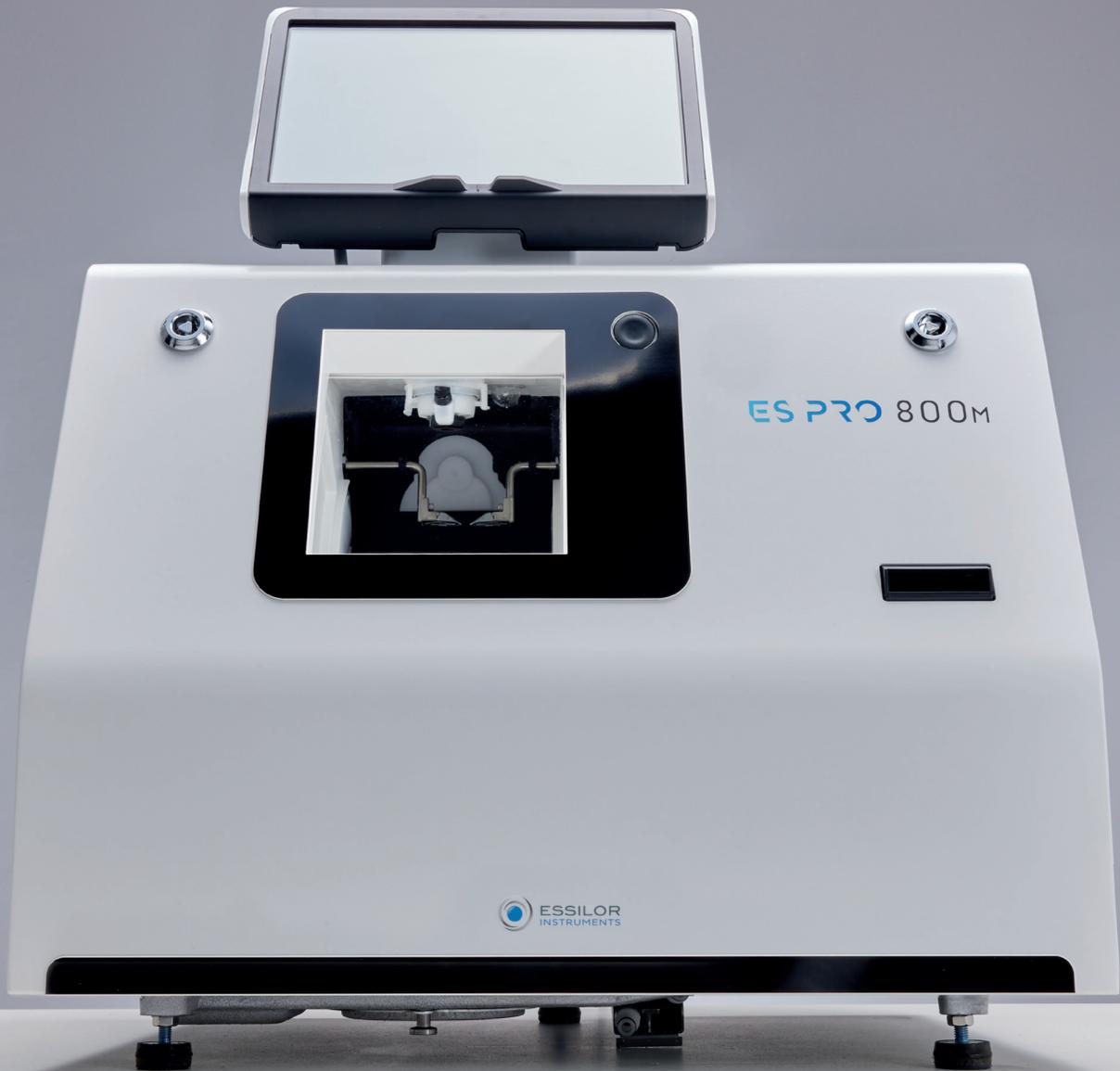


# ES PRO™ 800M

Supercharge your edging system.



A cutting-edge in-lab finishing solution to boost your productivity and expand your lab's capabilities.



# 1. Accelerate your productivity

**ES PRO™ 800M**, a cutting-edge in-lab finishing solution to boost your productivity and expand your lab's capabilities. It combines precision, versatility, robustness and speed\*, providing a comprehensive solution and greater capabilities.



**Edging Time Reduced by up to 41%<sup>1</sup>**

- Thanks to the **SuperVeloce™** roughing cycle, the total process time to edge a lens has been reduced to **up to less than 1 minute<sup>3</sup> or 27 jobs per hour.**
- A new set of wheels provides better grinding power and allows for faster and more efficient edging.

**The ES PRO™ 800M improvement is on average 25% faster vs. PRO-E™ 600/700<sup>2</sup>.**



**Milling Time Reduced by up to 57%<sup>1</sup>**

- The ES PRO™ 800M milling tool's lifespan is multiplied by six, regardless of the lens material.<sup>1</sup>
- The combination of a robust and sturdy machine design along with specific shapes and dimensions of the cutting tool enables faster and more efficient milling, drilling and grooving.

**SuperVeloce™**

Fast edging & milling with **ES PRO™ 800M**

1. As per Internal PQV study performed in Jan. 2024. ES PRO™ 800M / 700M compared with ES™ 800M and ES™ 700M, for rimmed frames with no chamfering/polishing function.  
2. As per Internal PQV study performed in Jan. 2024. ES PRO™ 800M / 700M compared with PRO E™ 700 / 600, for rimmed frames with no chamfering/polishing function.  
3. Subject to certain conditions such as the lens type, lens finishing and edging cycle.

## 2. Streamline integration and bolster connectivity

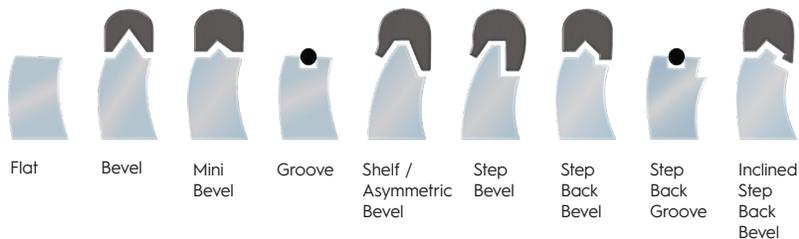


### Enjoy quick installation and ergonomic experience

ES PRO™ 800M fits into any lab with ease. This robust and compact tabletop edger requires no vacuum or compressed air, which means no extra investment.

The tiltable 12-inch multi-touch screen offers a comfortable heads-up navigation experience with 3D views that showcase every detail.

## 3. Achieve Top-Notch Precision



### Aesthetic and robust mountings

Fit 4 Frame 2.0 technology enables the realization of a diverse array of bevels to accommodate various frame profiles, including both step and step back bevels. It ensures the ideal lens fit, without any compromise on aesthetics, for all mountings and finishes.

### Edging precision built on state-of-the-art innovations



### Real-Time Control of Cutting Forces

Take real-time control of the wheel's cutting force through its **SuperVeloce™** cycle function for optimized precision.

### Full High-Curve Technology

Take advantage of a self-adjusting process that simplifies your mountings up to base 10.



### 3. Achieve Top-Notch Precision

**Avoid axis deviation risks and prioritize safe mounting with ES PRO™ 800M**

#### **Real-time control of cutting forces**

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



#### **Comprehensive axis control**

ES PRO™ 800M cuts all lenses, including slippery hydrophobic lenses, with fine-tuned precision thanks to its hybrid milling and grinding technology<sup>2</sup>.



**ES PRO™ 800M offers a responsible edging approach through its milling function.**

- Dry-cut technology reduces water consumption, lens waste, and unwanted odors generated during the milling process.
- This produces fewer dust particles that would otherwise end up in the recycling tank or drain depending on the installation of the workshop; thereby reducing lens swarf.

**Water consumption can be reduced by as much as 66%.<sup>3</sup>**



1. All lens materials except glass.

2. Essilor Instruments places the utmost importance on developing innovations and protecting them with the appropriate patent filings.

3. As per Internal PQV study performed in Jan. 2024. ES PRO™ 800M / 700M milling cycle compared to 1 star cycle for rimmed frames with no chamfering/polishing function.

## 4. Exceed customer expectations

Enhance your lab's capabilities and maximize your offerings with ES PRO™ 800

### Thick-Lens Management

Process all jobs efficiently with this do-it-all in-lab solution, even the most complex task. ES PRO™ 800M empowers your lab to handle any task, including:



Master Half Jacket®<sup>01</sup> sports frame mountings using the m'eye SPORT RX™ function.

### Half Jacket Frames

- Use partial-step beveling for Half Jacket sports frames with pre-configured step bevel trajectory based on the frame design.
- New photo mode to facilitate step trajectory definition based on the frame image detection.

Provide comfort to wearers of athleisure eyewear using the Superchamfer function



### Thick-Lens Management

- Maintain attractiveness and safety even with a "thick" lens edge.
- Use the super chamfering wheel to obtain an aesthetically-pleasing and safe mounting in the case of a negative thick-lens edge with a matte finish. This avoids residual reflection.
- Useful for children's optical needs and m'eye SPORT RX™ equipment.



m'eye  
**CUSTOM™**

ES PRO™ 800M is equipped with a web app<sup>2</sup> called m'eye CUSTOM™, which allows users to showcase the various customization possibilities available.

1. Partial-step beveling for a Half Jacket frame involves beveling the top portion of the lens edge into a step while creating protrusions on lateral sides. This allows part of the edge to be inserted into the frame, while the protrusions securely hook into indentations in the frame groove for fitting.  
2. To ensure the best experience when using the m'eye CUSTOM™ web app, please use updated browsers and systems such as Safari or Chrome for iOS, Chrome for Android, Firefox, or Edge for Windows. The "Print Screen" function can serve as an alternative to "Save this choice" for outdated systems.

# Product Technical Specifications

## Supercharge your edging system functions

### SuperVeloce™ Edging Cycle

Heavy-duty material and long-lasting tools  
 Side-panel access for easy maintenance  
 Remote maintenance and software update

## ES PRO™ 800M

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## Precision features

All plastic lens material management  
 Fit 4 Frame Technology 2.0; Aesthetic and roust mountings in all finishes  
 Hydrophobic lens management

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## Finishing features

Bevel / Flat / Polish  
 Chamfering, grooving and drilling tilt up to 30°  
 Mixed-finishing  
 Mini-bevel  
 Step bevel with adjustable depth and flat, up to 5.35mm in depth  
 Shelf or asymmetric bevel with adjustable depth and flat (High Curve bevel), up to wrap 30°, base 10  
 Step-back bevel (straight and inclined), up to 3mm in depth  
 Super chamfer

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• up to 7.7mm thick

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• up to 2mm front step, 2mm flat & 8mm depth

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## Other features

Screen size  
 Dimensions: Edger HxWxD (in) and Weight (lbs)  
 Power consumption voltage: Edger

12" / 16:9 Multi-touch tiltable top vertical heads-up display  
 H: 27.6, W: 23.2, D: 19.3, 209 lbs

1350W - 220-240 V ~ 60/50 Hz 10 A  
 2000W - 100-120 V ~ 60/50 Hz 15 A

## Version and Voltage

3 wheels 220 V  
 3 wheels 115 V

## ES PRO 800M Product Reference

M4000002  
 M4000004



Made in France.  
 \*As improvements are made, information and data in this product presentation are not contractually-binding and may be modified without prior notice. Please check the latest version with your local Essilor Instruments representative.

ES PRO™ 800M, m'eye CUSTOM™, m'eye SIGN™, m'eye SHAPE™, m'eye CLIP™, m'eye DIAMOND™, m'eye SPORT RX™, SuperVeloce™ TCB 800™, FIT 4 FRAME™, FULL HIGH CURVE™ are trademarks of Essilor International.



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