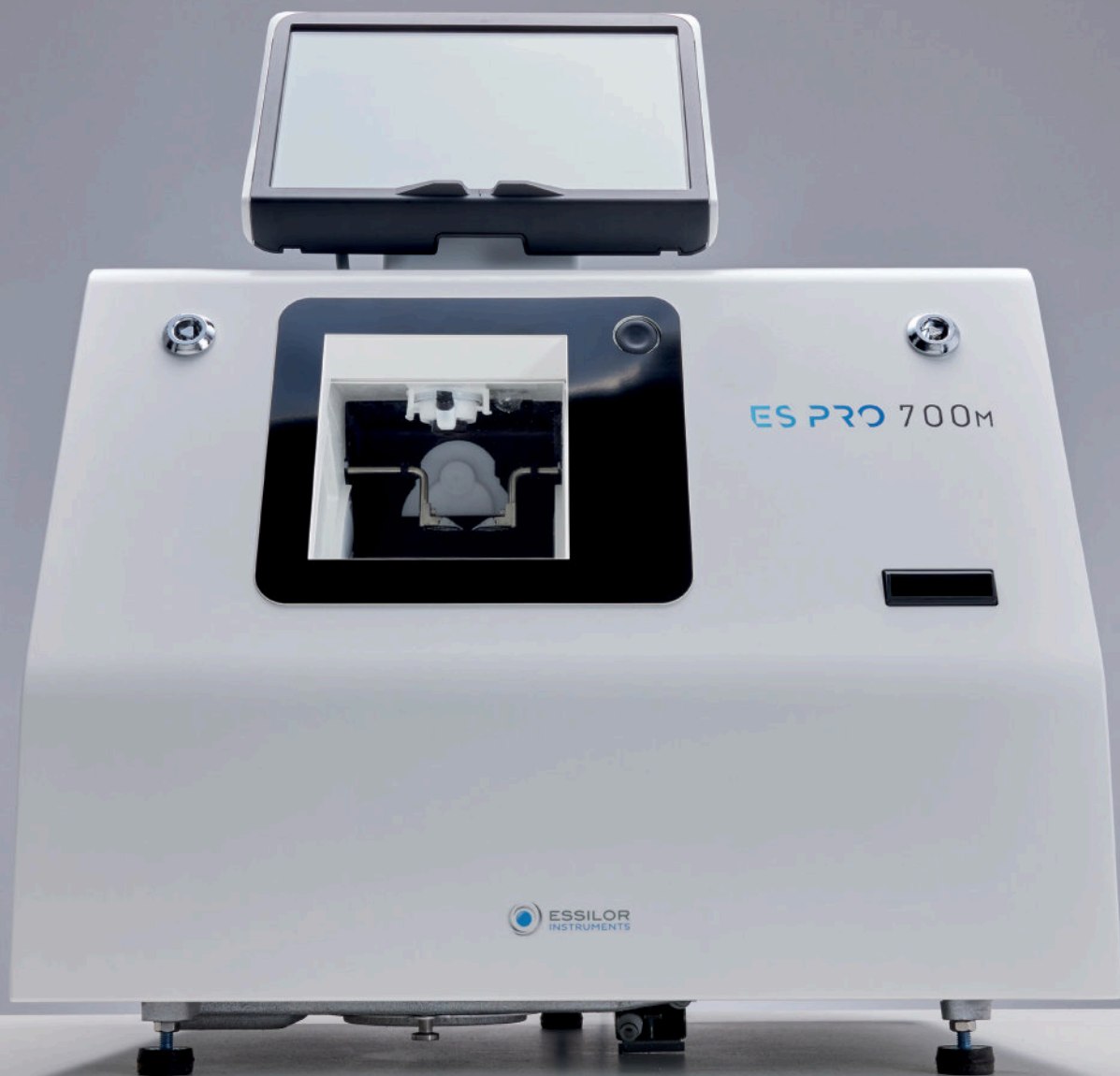


ES PRO™ 700M

Elevate your edging standards.



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



1. Drive your productivity

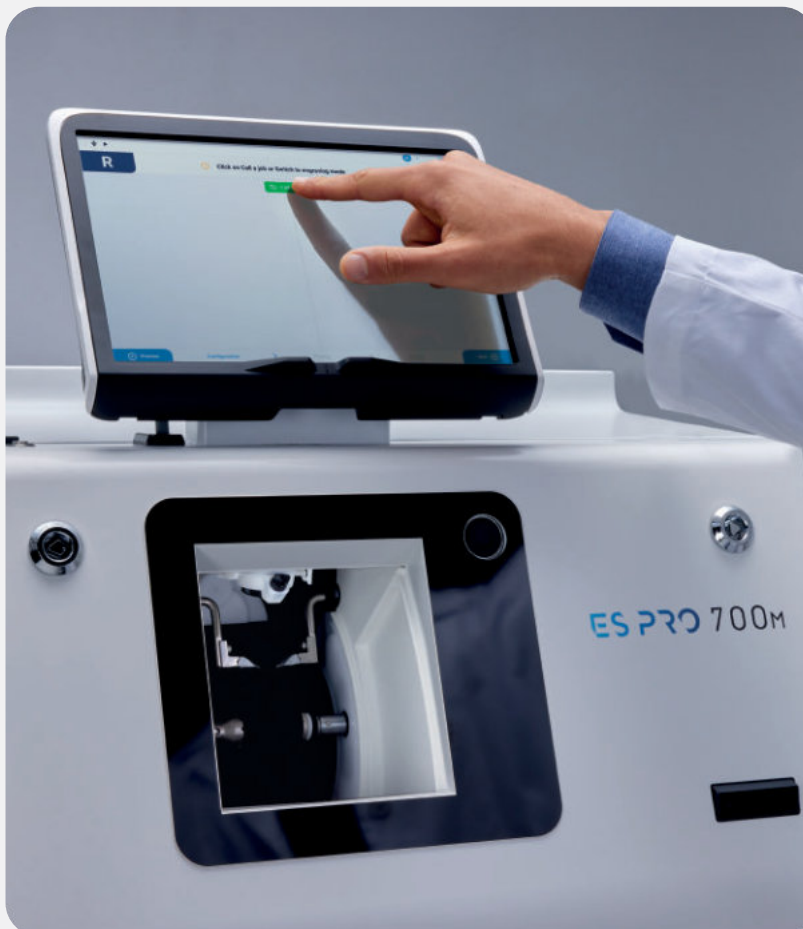
ES PRO™ 700M is a robust in-lab finishing solution to boost your productivity and expand your lab's capabilities. It combines accuracy utility, easy integration, and reliability to minimize downtime and expand your capabilities.



Edging Time Reduced by up to 41%¹

- Thanks to the SuperVeloce™ roughing cycle, the total process time to edge a lens has been reduced to up to less than 1 minute³ 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™ 700M improvement is on average 25% faster vs. PRO-E™ 600/700².



Milling Time Reduced by up to 57%¹

- The ES PRO™ 700M milling tool's lifespan is multiplied by six, regardless of the lens material.¹
- 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™ 700M

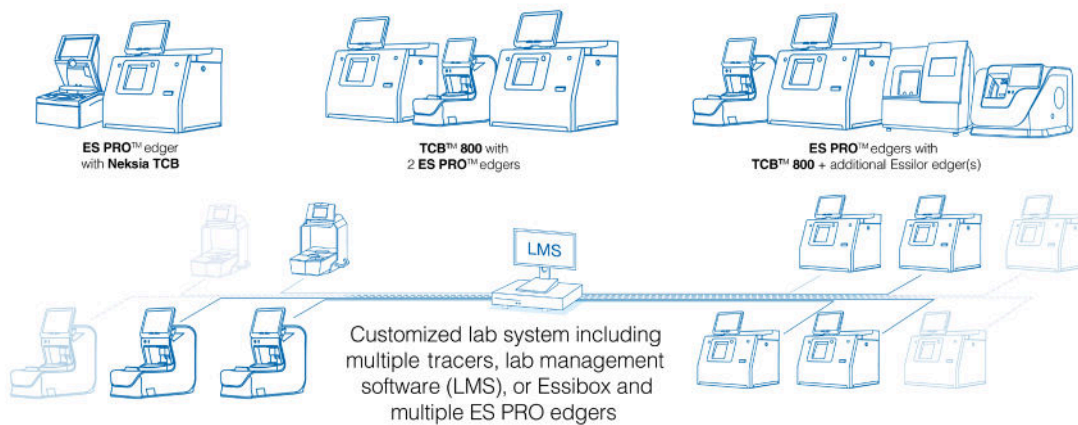
1. As per Internal PQV study performed in Jan. 2024. ES PRO™ 800M / 700M compared with ES™ 800M and ES™ 700M, for rimmed frames with no chamfering/polishing function.
2. As per Internal PQV study performed in Jan. 2024. ES PRO™ 800M / 700M compared with PRO-E™ 700 / 600, for rimmed frames with no chamfering/polishing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

2. Integrate with ease

Enjoy quick installation and ergonomic experience

ES PRO™ 700M 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.



Smooth synchronization.
Easy calibration.

ES PRO™ 700M seamlessly interfaces with laboratory management software and can connect to other instruments.

It is designed to fit customized systems including multiple edgers, tracer-centerer-blockers, lab management software as well as Essibox®, providing versatility and adaptability to various lab setups.



Maintain with ease for maximum uptime.

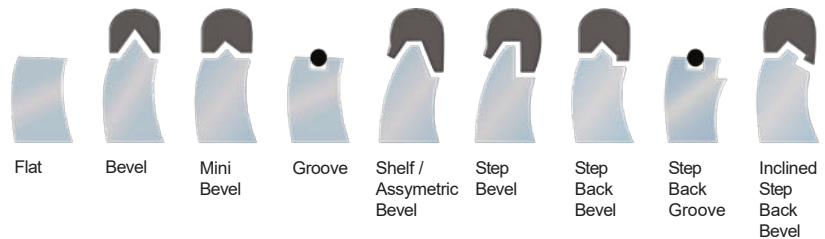
A side panel provides easy access to sub-assemblies and enables fast tabletop maintenance procedures.

Telemaintenance allows to update, diagnose, and tune-setting remotely. On-screen video assistance is available in the maintenance menu via a QR code to help simplify upkeep.

3. Craft with 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. Craft with precision

Avoid axis-deviation risks and prioritize safe mounting with ES PRO™ 700M

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™ 700M cuts all lenses¹, including slippery hydrophobic lenses, with fine-tuned precision, thanks to its hybrid milling and grinding technology².



ES PRO™ 700M 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%.³



¹ All lens materials except glass.

² EssilorInstruments 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 1star cycle for rimmed frames with no chamfering/polishing function.

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™ 700M

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■

■

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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

■

■

■

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

■

■ up to 9.2mm thick

■

■

■

■ up to 1.3mm front step, 1mm flat & 3mm depth

■

Other features

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

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

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

Version and Voltage

3 wheels 220 V
3 wheels 115V

ES PRO 700M Product Reference

M4000001
M4000003



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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.

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