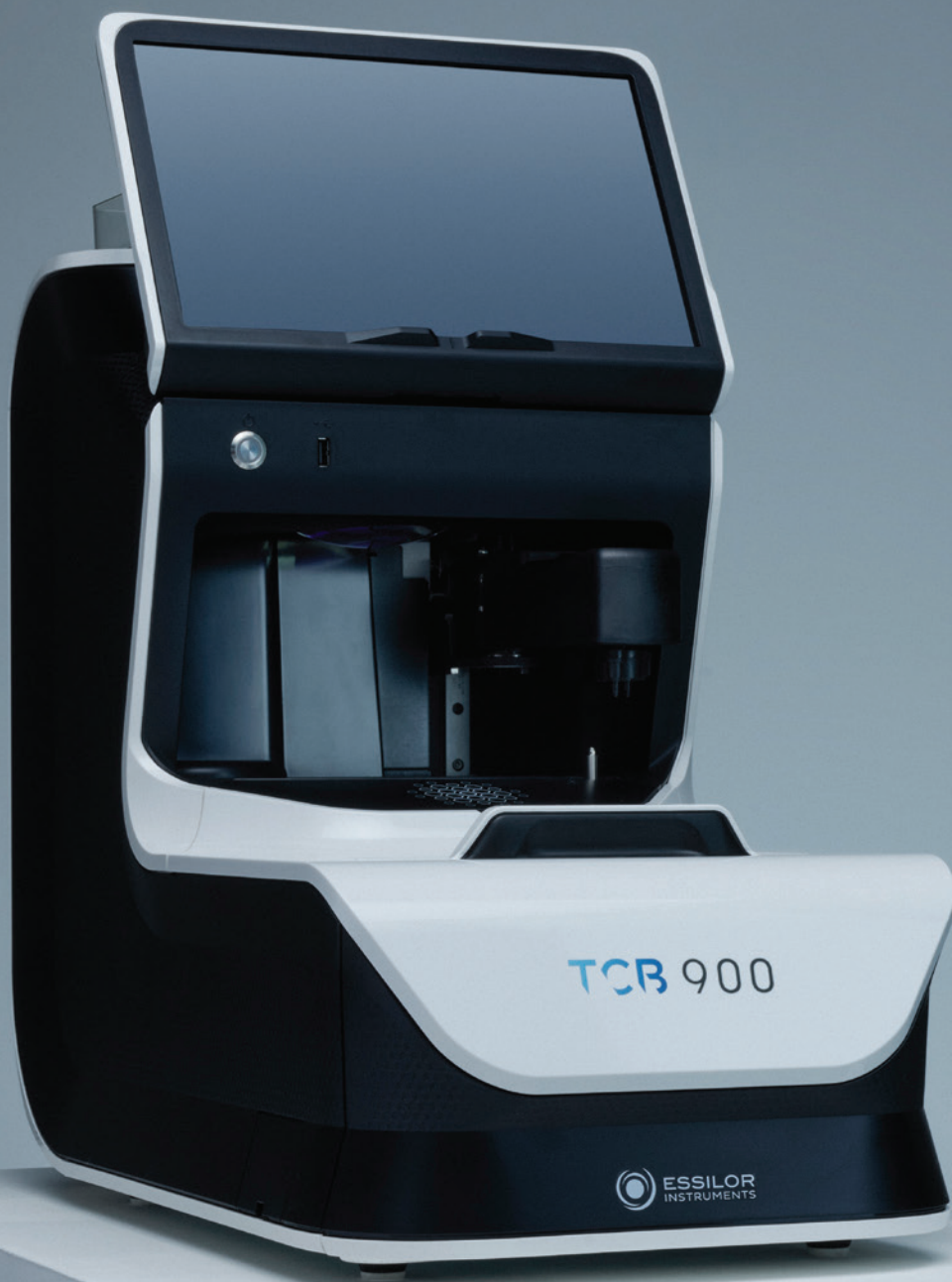


TCB 900™

Visible information. Confident decisions.



Next-generation tracer-centerer-blocker with microengraving recognition and lens mapping for clear and confident lens preparation.



Lens preparation starts with better information

Today's lenses combine increasingly sophisticated optical designs with a growing variety of frame materials and geometries.

Before edging, practitioners need to understand more than the shape of the frame:

- What is the correct lens?
- How is the optical design oriented?
- Where is the progression corridor?
- How is the optical structure distributed across the lens?
- Can the frame geometry be maintained during acquisition?

Yet traditional tracing workflows primarily focus on capturing frame geometry, leaving practitioners to interpret critical lens information manually.



TCB 900™ transforms lens preparation into an information-driven workflow

It is a next-generation tracer, centerer and blocker, designed to give eye care professionals visibility, confidence, clarity and control throughout the optical finishing preparation process.

By combining microengraving recognition, lens map visualization and controlled acquisition mechanics, it helps eye care professionals make better decisions before, during, and after lens preparation.

1. Unlock the intelligence built into every lens

Transform manufacturing data into positioning points.

Modern lenses contain valuable manufacturing information that often requires manual interpretation.

TCB 900™ automatically recognizes¹ compatible microengravings and captures high-resolution lens images, helping practitioners identify the lens and use its embedded information to support accurate centering and preparation.

Its intelligent automation² transforms hidden lens markings into actionable guidance and simplifies complex workflows while reducing operator dependency. This supports consistent and repeatable results while allowing eye care professionals to focus more on patient care.



In the event of imperfect/non-detection, the ECP can use the **FineView™** module, which provides the operator with advanced visual assistance for precise repositioning of micro engraving in the event of imperfect detection, particularly in cases of shallow engraving.²



1. Based on Internal Product Qualification Report, April 2026: Vesuvio-RPT-063_CR-L90-apr26_REV_A. Currently restricted to circular micro-engravings and exclusively applicable to Essilor products.
2. Based on an Internal Function Testing Report, June 2026 that yielded an 82% success rate. Outcomes depend heavily on the depth of micro-engravings and the quality of lens stamps.

2.Reveal the optical structure behind every lens

Visualize the optical architecture before edging.

Identifying a lens is only the first step. Lens Mapper³ goes one step further by revealing its optical architecture.

Through a comprehensive visualization of the progression corridor, astigmatism distribution and power variations across the lens surface, TCB 900™ provides practitioners with additional information to support lens verification before the edging cycle (pre-mounting verification).



3. Lens Mapper is intended for indication purposes only and should not be used as a calibrated measurement tool.

3. Preserve frame integrity

Maintain geometric fidelity through controlled acquisition.

Accurate lens preparation begins with accurate frame acquisition.

The Soft Grip tracing system of TCB 900™ minimizes probe pressure by up to 25%⁴ while maintaining stable frame geometry, helping preserve frame integrity including on highly flexible frames¹ throughout the preparation workflow.



**More Information.
Better Preparation.**

Preparing a lens is no longer a sequence of isolated tasks. It is a process of acquiring, understanding and applying information before edging begins. TCB 900™ brings together three complementary layers of intelligence to support every stage of lens preparation: What lens is it? How is it designed? How it can be prepared reliably?

The result is an informed preparation workflow—one that can help reduce uncertainty and interruptions, support consistency and encourage practitioners to proceed with confidence.

1. Based on Internal Product Qualification Report, April 2026: Vesuvio-RPT-063_CR-L90-apr26_REV_A. Currently, this feature is restricted to circular micro-engravings and applies exclusively to Essilor products.

4. A 25% reduction in pressure may be considered compared to previous Essilor tracers, based on reference internal document: L11110. Note: The term "flexible frame" (monture souple) refers to eyewear frames designed to bend or deform under minimal pressure. This includes, but is not limited to, ultra-thin frames, as well as frames manufactured from silicone, elastic, or other pliable materials.

Technical Specifications

Job flow management features	TCB 900™
m'eye CUSTOM: m'eye SIGN™, m'eye SHAPE™, m'eye CLIP™, m'eye DIAMOND™	•
PMS connectivity: Opened shared folder following SAMBA communication protocol	•
OpsysWeb direct link: Automatic trace upload on OpsysWeb account (Europe only)	•
Essibox server	Compatible
Expert mode	•
Tracing features	TCB 900™
Database: Embedded SSILORLUXOTTICA frames (Nylor & Drill models)	•
User library	•
Optical tracing for demo lenses, recut lenses and patterns, with holes detection	•
Frame tracing: mechanical tracing in 3D (All frame categories), Bino & Monocular traces	•
High-precision cycle with profile groove acquisition and height insertion management	•
"Delicat" additional frame tracing cycle	•
Shape modification: Scaling, B-dimension, ½ B-dimensions, A-dimension, ½ A-dimension, rotation	•
Centering & Blocking features	TCB 900™
Centering 2-way optical system with prismatic correction. 3D compensation	•
Automatic recognition of ESSILOR lenses micro-engraving	•
Lens power measurement, -6/+6dp	•
Manual centering with lens prismatic compensation	•
Manual visualization of the micro-engraving marks	•
Automatic centering, All type of lens category as STELLEST™ lense	•
Lens mapper with "PowerMap" for progressive lenses	•
2 Blocking mode, boxing center or lens optical center	•
Blocking axis control	•
Full automatic blocking with block catching	•
Mechanical envrionment	TCB 900™
12" 16:9 sensitive HD touch screen	•
Tilttable screen	•
Additional accessory tray	•
Technical envrionment	TCB 900™
Product reference	L9000001
Dimensions WxHxD (mm)	305 x 600 x 520
Weight (kg)	26
Power consumption	250W
Power supply voltage	110-240V ~ 60/50HZ, 5A



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Made in France. As improvements are made, these specifications are not contractually binding and may be modified without prior notice. Please read the user manual attentively.
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