



Edging Station
LE-800



THE ART OF EYE CARE



Amplify confidence

Easy to operate, all-in-one capability

The LE-800, our entry-level edger, enhances your lens edging process. Engineered with simplicity in mind, it provides reliable performance from tracing, to blocking, to finishing lenses, and even ease of maintenance. The intuitive user-functionality guarantees quick and easy processing thanks to the operator wizard. The LE-800, with its all-in-one features, is ground breaking as an entry-level edger.

Models

LE-800



LE-800 with frame tracer (optional)



Custom-designed frame tracer (optional)

Performance enhancing

High curve frame measurement

The on-board tracer confidently handles even high-wrap frames. Controlled tracing pressure assures superb accuracy.



Low maintenance design

Vertical tracing offers protection from debris ensuring durability.





Solid reliability

Built-in intelligent blocker

Simple, accurate blocking

The built-in intelligent blocker performs accurate blocking with simple operation. Exact alignment is available with the high-resolution color touch screen and the image magnification function.



Shape editor function

The lens can be easily modified to the precise shape design by entering the desired numeric values.



Shape axis adjustment

The trace data can be adjusted simply by pressing the on-screen arrow buttons in case of a misalignment.



Shape data memory

The internal memory stores approximately 20,000 shape data files. The more frequently used shapes can be recalled.



Uncompromising technology

Precise shape recognition

Tracer-less technology

3D tracing data can be easily obtained without even using the tracer by simply tracing the demo lens or pattern in the processing chamber.



Robust RMU and LMU

The combination of Radius Measuring Unit (RMU) and Lens Measuring Unit (LMU) traces demo lenses or patterns with precision.



3D tracing

In addition to tracing the demo lens circumference, its front curve is measured to obtain 3D tracing data and perform accurate 3D edging.



Undeniable result Consistent, beautiful finishing

3D processing for best fit accuracy

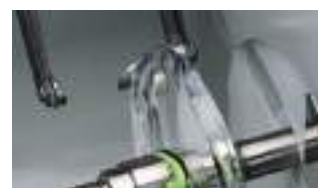
After lens shape measurement, the 3D images are displayed to simulate beveling/grooving.

The data, such as groove/bevel position, can be easily edited.



Outer diameter measurement

By measuring the lens diameter, it shortens the overall edging cycle time.



Grooving and safety beveling wheel (optional)

Grooving and safety beveling combo wheel is compact and dependable.



Easily awesome Well-organized user functions

7-inch color LCD touch screen

A touch screen with easy to understand icons and simplified settings, makes it fun to use.



Smooth operation

Step-by-step processing of wizard mode assists lens edger beginner.

"Next job" function allows operator to prepare next job during lens processing for more efficient workflow.



Compact space-saving edger

All necessary functions, tracing, blocking and edging are co-existing in a small, well-organized work space, that even includes a "double-deck" accessory tray.



LE-800 Specifications

| | |
|----------------------------------|--|
| Grinding system | Patternless |
| Mode*1 | Beveling (automatic, guided), Flat edging, Polishing, Grooving (automatic, guided), Frame changing, Soft processing |
| Setting range | |
| FPD | 30.00 to 99.50 mm (0.01 mm increments) |
| PD | 30.00 to 99.50 mm (0.01 mm increments) |
| 1/2PD | 15.00 to 49.75 mm (0.01 mm increments) |
| Optical center height | 0 to ±15.0 mm (0.1 mm increments) |
| Size adjustment | 0 to ±9.95 mm (0.01 mm increments) |
| Bevel position | 0 to ±10.0 mm (0.1 mm increments) |
| Minimum grinding size*2 | |
| Flat edging | ø22.0 x 19.0 mm / with mini cup (optional) ø22.0 x 17.4 mm |
| Bevel edging | ø23.0 x 20.0 mm / with mini cup (optional) ø23.0 x 18.4 mm |
| Safety beveling (flat)*3 | ø27.6 x 24.6 mm / with mini cup (optional) ø27.6 x 23.0 mm |
| Safety beveling (bevel)*3 | ø30.2 x 27.2 mm / with mini cup (optional) ø30.2 x 25.6 mm |
| Grooving | ø22.0 x 19.0 mm / with mini cup (optional) ø22.0 x 17.4 mm |
| Blocking unit | |
| Method | Manual blocking |
| Blocking position accuracy | ±0.5 mm |
| Axis angle accuracy | ±1.0° |
| Demo lens / pattern tracing unit | |
| Method | Shape measurement using feeler unit |
| Measuring points | 1,000 points |
| Measurement range | ø22.0 to 76.0 mm (17.4 to 66.0 mm vertically) |
| Frame tracer (optional) | |
| Method | Automatic 3D binocular tracing |
| Measuring points | 1,000 points |
| Measurement range | Shape width : 23.0 to 70.0 mm Shape height : 18.4 to 66.0 mm Frame horizontal width : 113 to 150 mm |
| FPD measurement | Available |
| Frame clamping | Manual clamping |
| Setting of stylus | Switchable between automatic and semiautomatic |
| Measurement accuracy | Frame tracing ±0.1 mm |
| Wheel configuration | Type PLB-2R |
| Water supply system | Pump circulation or direct connection to tap water |
| Interface | RS-232C - 1 port (for connection of the barcode scanner or tracer) LAN - 1 port (for connection of a server) USB port - 1 port (for USB flash drive only) |
| Power supply | 100 to 120 / 230 V AC, 50/60 Hz |
| Power consumption | 1.0 kVA (100 to 120 V AC), 1.3 kVA (230 V AC) |
| Dimensions/Mass | 543 (W) x 490 (D) x 345 (H) mm / 33 kg 21.4 (W) x 19.3 (D) x 13.6 (H) " / 73 lbs. |
| Standard accessories | Half-eye lens cup, Double-coated adhesive pad for half-eye lens cup, Dressing stick for glass roughing wheel, Dressing stick for finishing wheel, Dressing stick for polishing wheel, Cup remover, Pattern holder, Calibration jig, Adapter set, Power cord, Spare fuse, Hexagonal wrench (2.0 mm, 2.5 mm, 4.0 mm), Cushion for lens clamp |
| Optional accessories | Frame tracer, Grooving and safety beveling wheel, Compound kit, Pliable cup set, Mini cup set, USB flash drive, Barcode scanner, Circulation pump and tank |

*1 Grooving and polishing cannot be performed for glass lenses.

*2 The standard cup is half-eye lens cup.

*3 Safety beveling is available with the grooving and safety beveling wheel (optional).

Specifications and design are subject to change without notice.



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