The LE-800, with its all-in-one features, is groundbreaking at an entry-level edger. The intuitive user-functionality guarantees quick and easy processing thanks to the Operator Wizard. Engineered with simplicity in mind, it provides reliable performance for tracing, blocking, lens finishing, and incorporates ease of maintenance.

Models
- LE-800 with frame tracer (optional)
- LE-800

Low maintenance design
- Controlled stylus tracing pressure assures superb accuracy.
- Even high-wrap frames.
- The on-board tracer confidently handles a vast range of frames.

High curve frame measurement
- Vertical tracing offers protection from debris, ensuring durability.

Specifications and design are subject to change without notice.

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Aichi 443-0038, JAPAN
Hiroishi-cho, Gamagori,
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(International Div.)
HEAD OFFICE

*3 Safety beveling is available with the grooving and safety beveling wheel (optional).
*2 The standard cup is half-eye lens cup.
*1 Grooving and polishing cannot be performed for glass lenses.

Optional accessories
- Standard accessories
- Dimensions/Mass
- Power supply
- Interface
- Water supply system
- Measurement accuracy
- Setting of stylus
- Frame clamping
- FPD measurement
- Measurement range
- Measuring points
- Frame tracer (optional)
- Measurement range
- Measuring points
- Method
- Demo lens / pattern tracing unit
- Axis angle accuracy
- Blocking position accuracy
- Method
- Blocking unit
- Grooving
- Safety beveling (bevel)*3
- Bevel edging
- Minimum grinding size*2
- Bevel position
- Size adjustment
- Optical center height
- 1/2PD
- PD
- FPD
- Setting range
- Mode*1
- Safety beveling (flat)*3
- Hexagonal wrench (2.0 mm, 2.5 mm, 4.0 mm), Cushion for lens clamp
- Cup remover, Pattern holder, Calibration jig, Adapter set, Power cord, Spare fuse, glass roughing wheel, Dressing stick for finishing wheel, Dressing stick for polishing wheel, Half-eye lens cup, Double-coated adhesive pad for half-eye lens cup, Dressing stick for polishing wheel, Mini cup set, USB flash drive, Barcode scanner, Circulation pump and tank

Specifications
- Shape height                  : 18.4 to 66.0 mm
- Shape width                   : 23.0 to 70.0 mm
- 1,000 points
- Measurement range
- Measuring points
- Method
- Demo lens / pattern tracing unit
- 1,000 points
- Shape measurement using feeler unit
- ±1.0°
- ±0.5 mm
- Manual blocking
- ø22.0 x 19.0 mm / with mini cup (optional) ø22.0 x 17.4 mm
- ø30.2 x 27.2 mm / with mini cup (optional) ø30.2 x 25.6 mm
- ø27.6 x 24.6 mm / with mini cup (optional) ø27.6 x 23.0 mm
- ø22.0 x 19.0 mm / with mini cup (optional) ø22.0 x 17.4 mm
- 0 to ±9.95 mm (0.01 mm increments)
- 0 to ±15.0 mm (0.1 mm increments)
- 15.00 to 49.75 mm (0.01 mm increments)
- 30.00 to 99.50 mm (0.01 mm increments)
- Polishing, Grooving (automatic, guided), Frame changing, Soft processing
- Beveling (automatic, guided), Flat edging, Patternless

*3 Safety beveling is available with the grooving and safety beveling wheel (optional).
*2 The standard cup is half-eye lens cup.
*1 Grooving and polishing cannot be performed for glass lenses.

The LE-800, our entry-level edger, enhances your lens edging process.
Simple, accurate blocking
The built-in intelligent blocker performs accurate blocking with a simple operation.

Exact alignment is achieved 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 axis realignment.

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

Tracer-less technology
3D tracing data can be easily obtained without even using the tracer by simply “mapping” 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.

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 and curvature, can be easily edited.

Outer diameter measurement
By measuring the lens blank diameter, the software calculates the quickest overall edging cycle time.

Grooving and safety beveling wheel (optional)
Grooving and safety beveling combo wheel is compact and dependable.

7-inch color LCD touch screen
A touch screen with easy to understand icons and simplified settings, makes it fun to use.

Smooth operation
The Wizard Mode, with step-by-step processing, assist even the most novice operator. “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. It even includes a “double-deck” accessory tray.

Precise shape recognition
Consistent, beautiful finishing
Well-organized user functions
Simplicity in mind

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 for tracing, blocking, lens finishing, and incorporates 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 groundbreaking at 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 a vast range of frames, even high-wrap frames. Controlled stylus tracing pressure assures superb accuracy.

Low maintenance design

Vertical tracing offers protection from debris, ensuring durability.

Specifications

Dimensions/Mass

Power consumption

Power supply

Interface

Water supply system

Wheel configuration

Measurement accuracy

Setting of stylus

Frame clamping

FPD measurement

Measurement range

Measuring points

Method

Demo lens / pattern tracing unit

Axis angle accuracy

Blocking position accuracy

Method

Blocking unit

Grooving

Safety beveling (bevel)*3

Flat edging

Minimum grinding size*2

Bevel position

Size adjustment

Optical center height

1/2PD

PD

FPD

Setting range

Mode*1

Grinding system

Safety beveling (flat)*3
Simple, accurate blocking
The built-in intelligent blocker performs accurate blocking with a simple operation. Exact alignment is achieved 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 axis realignment.

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All necessary functions (tracing, blocking and edging) are co-existing in a small, well-organized work space. It even includes a “double-deck” accessory tray.
LE-800 Specifications

<table>
<thead>
<tr>
<th>Grinding system</th>
<th>Patternless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model*1</td>
<td>Beveling (automatic, guided), Flat edging, Polishing, Grooving (automatic, guided), Frame changing, Soft processing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Setting range</th>
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</thead>
<tbody>
<tr>
<td>FPD</td>
</tr>
<tr>
<td>PD</td>
</tr>
<tr>
<td>1/2PD</td>
</tr>
<tr>
<td>Optical center height</td>
</tr>
<tr>
<td>Size adjustment</td>
</tr>
<tr>
<td>Bevel position</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Minimum grinding size*3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat edging</td>
</tr>
<tr>
<td>Bevel edging</td>
</tr>
<tr>
<td>Safety beveling (flat)*3</td>
</tr>
<tr>
<td>Safety beveling (bevel)*3</td>
</tr>
<tr>
<td>Grooving</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Blocking unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
</tr>
<tr>
<td>Blocking position accuracy</td>
</tr>
<tr>
<td>Axis angle accuracy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Demo lens / pattern tracing unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
</tr>
<tr>
<td>Measuring points</td>
</tr>
<tr>
<td>Measurement range</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frame tracer (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
</tr>
<tr>
<td>Measuring points</td>
</tr>
<tr>
<td>Measurement range</td>
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<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>FPD measurement</td>
</tr>
<tr>
<td>Frame clamping</td>
</tr>
<tr>
<td>Setting of stylus</td>
</tr>
<tr>
<td>Measurement accuracy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wheel configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water supply system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump circulation or direct connection to tap water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-232C</td>
</tr>
<tr>
<td>LAN</td>
</tr>
<tr>
<td>USB port</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 to 120 / 230 V AC, 50/60 Hz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 kVA (100 to 120 V AC), 1.3 kVA (230 V AC)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions/Mass</th>
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<tbody>
<tr>
<td>542 (W) x 490 (D) x 345 (H) mm / 33 kg</td>
</tr>
<tr>
<td>21.4 (W) x 19.3 (D) x 13.6 (H) mm / 73 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard accessories</th>
</tr>
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<tbody>
<tr>
<td>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</td>
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<th>Optional accessories</th>
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<tr>
<td>Frame tracer, Grooving and safety beveling wheel, Compound kit, Pliable cup set, Mini cup set, USB flash drive, Barcode scanner, Circulation pump and tank</td>
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</table>

*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).