



Edging Station
LE-700



THE ART OF EYE CARE



Simple, built-in intelligent blocker

Simple, accurate blocking

The built-in intelligent manual blocker enables the operator to achieve accurate blocking with simple operation.

Precise alignment

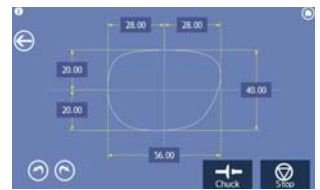
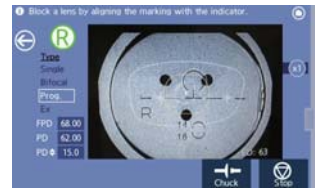
Exact alignment is available with the high-resolution color touch screen and the image magnification function.

Shape editor function

To meet diverse customers' needs, each lens shape can be easily and precisely modified using the shape editor function. The operator can change the entire size, or the width and height separately, from the center to right / left or up / down by simply utilizing the numeric keypad.

Shape data loading

Approximately 20,000 shape data can be stored in the internal memory. This memory function allows frequently-used shapes to be saved and recalled as registered shapes / patterns.



Edging Station



LE-700

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Compact Edging Station, Powerful Edging Solution

The LE-700 is not just an edger - it's the Edging Station, featuring an integrated intelligent blocker and a demo lens / pattern tracer.

The unit enables the operator to create a variety of eyewear with incredible ease.



System configurations

Three different configurations are available depending on each customer's needs.

LE-700

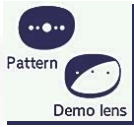


LE-700
with Frame Tracer (optional)



LE-700
with Satellite Tracer LT-980





"Tracer-free" tracing technology

Demo lens and pattern tracing

The LE-700 offers the "tracer-free" tracing technology. 3-D tracing data can be easily obtained by tracing demo lens / pattern in the processing chamber.

Newly redesigned RMU and LMU

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

3-D tracing

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



Tracing

LE-700



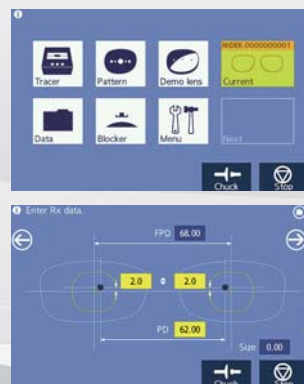
Operator-oriented usability

Universal design icons

The color touch screen, with its intuitive icons, makes the unit extremely user-friendly.

"Next Step" wizard operation

Perfect for those who are new to edging, this technology takes the operator step-by-step through the entire tracing, blocking and edging process. Virtually error-proof operation results in improved efficiencies and profits.



Saves time

Lens axis adjuster

When the trace data shifts due to the misblocking, the operator can adjust it, only by pressing the arrow button on screen.



Easy job set-up preparation

During lens processing, the operator can save time by setting-up for the subsequent job by simply selecting the "next job" button on the screen.

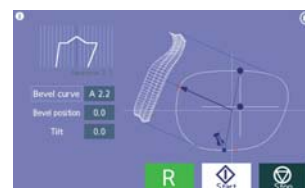


Edging

Impressive, reliable edging

3-D edging for first-time-fit accuracy

After lens shape measurement, the operator is able to check the beveling / grooving performance with the 3-D simulation. Changing edging data, such as groove / bevel position, is quite easy with the numeric field.



Outer diameter measurement

By measuring the lens outer diameter, it is made possible to shorten the overall cycle time.

Grooving and safety beveling wheel (optional)

Grooving and safety beveling wheels have been integrated into one unit.



...e, space, and the earth



Frame tracer (optional)

"Double-decker" accessory trays

The LE-700 has an integrated accessory storage bin with a recessed hidden, lower compartment.



Small footprint

The LE-700 is only 543 (W) x 490 (D) x 345 (H) mm, providing all the necessary functions for tracing, blocking and edging.



Newly designed frame tracer

The new on-board frame tracer is specifically designed for the LE-700 and confidently handles high-wrap frames. Furthermore, its low measurement pressure minimizes frame distortion, assuring superb accuracy.



Debris protection

The simple, vertical tracer design offers a high level of debris protection and extremely low maintenance.

Easy operation and maintenance

With the color touch screen, operation and maintenance can be done smoothly.

LE-700 Specifications

Grinding system	Patternless
Mode*1	Beveling (automatic, guided), Flat edging, Polishing, Grooving (automatic, guided), Soft processing, Frame changing
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	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
Wheel configuration	Type PLB-2R
Blocking unit	
Method	Manual blocking
Blocking position accuracy	±0.5 mm (The specified blocking position and cup center are in the same position.)
Axis angle accuracy	±1.0° (parallel to the horizontal line of the screen)
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 3-D 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
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	AC 100 to 120 / 230 V , 50 / 60 Hz
Power consumption	1.0 kVA (AC 100 to 120V), 1.3 kVA (AC 230 V)
Dimensions / Mass	543 (W) x 490 (D) x 345 (H) mm / 33 kg 21.4 (W) x 19.3 (D) x 13.6 (H) " / 72.8 lbs.
Standard accessories	Half-eye lens cup (green / red 5 units each), 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 (2 units), Hexagonal wrench (2.0 mm, 2.5 mm, 4.0 mm)
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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