



Intelligent Blocker
ICE mini+



Intelligent Blocker ICE mini⁺

The ICE mini⁺ satisfies operators with simple, fast and improved accurate blocking. This is the solution for complicated decentering calculation, lens drawing and axis shift when blocking. You can easily and precisely input the hole position data on the enlarged image of the lens, allowing the operator to confirm the demo lens shape outline and hole position data. Advanced Shape Editor also allows you to edit the shape data to the maximum flexibility when the near point of progressive lens doesn't fit the outline.

■ Quick and Easy Blocking

Lens blocking process

STEP 1. Simply place the marked lens on the table.



STEP 2. Input all data on the LCD touch panel. The data to be input are the lens type, frame type, grinding mode and lens layout data which include FPD, PD, height of optical center and size.



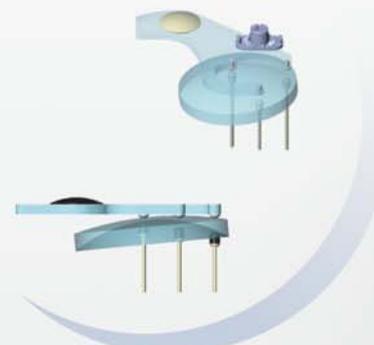
STEP 3. Blocking with the blocking arm. Flexible 3-pin lens support, holding the lens from the top, greatly helps the operator to achieve easy and accurate blocking.



Blocking

■ Flexible Lens Stage

The flexible lens stage continuously applies upward stabilizing pressure, keeping the front base curve of a lens at the optimal horizontal position. The stabilizing pressure reduces a gap and prevents sliding by holding both side of the lens. Therefore, despite the manual operation, highly precise blocking is available.



■ *User-friendly LCD Touch Panel*

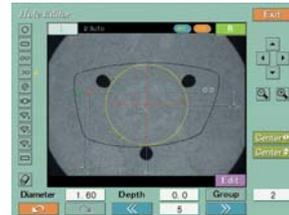
8.4-inch color LCD touch panel offers clear display and easy operation.

Traced actual outline and finished outline of the lens are simultaneously displayed in actual size, which is useful when determining if the external outline is sufficient for the traced outline.



■ *Hole Edit Function*

Hole position information read by the camera can be easily formulated into digital data. The magnified data is editable by using the stylus pen on the touch panel. Hole position display is also editable in the same way. Registered hole information modification and additional holes can be set briefly. Each hole type is shown by an icon on the display for easy operation.



*Hole Edit Function is only available with the Lex 1000 series and the ME-1000 series. (Not available with the Le 1000 series.)

■ *Advanced Shape Editing Function*

With a quick and easy operation on the touch panel, the Shape Editing Function can alter size of a lens shape to meet a wider variety of customer's needs. It is also possible to set certain parts of the lens shape to remain unchanged for design purpose.



■ *Camera Brightness*

The camera display brightness can be changed among 4 levels. When marking dark coated lenses, use the adjust buttons to change the brightness to a visible level.

■ *Versatile Network Capability*

The ICE mini+ can be directly connected to a lens edger as a minimum configuration. The traced data obtained with the built-in tracer of the Le / Lex series are automatically stored in the ICE mini+'s internal memory. You can also connect several devices such as frame tracer and lab edgers on a local area network (LAN) for medium to mass production of finished lenses. Various system configurations are possible to meet each customer's needs.

ICE mini+ Specifications

Lens size	Dia. 80 mm or less
Layout span	FPD: 30.0 to 99.5 mm PD (or 1/2 PD): 30.0 to 99.5 mm (15.0 to 49.75 mm) Height of the optical center: 0 to ±15.0 mm Size adjustment: 0 to ±9.95 mm WD: 15.0 to 45.0 mm EP: 0.0 to 6.0 mm
Item to be entered	FPD (or DBL) PD (or 1/2 PD) Height of the optical center (BT height and PD height can be selected) Lens size Lens material (Plastic, Plastic lens with high refractive index, Glass, Polycarbonate, Acrylic, Trivex, Polyurethane) Lens type [Single, Multi (Bifocal), Prog. (Progressive)] Frame type (Metal, Plastic, Two point, Nylon) Grinding mode selection Job code
Hole editor	Hole position: 0.01 mm increments Hole diameter: ø0.5 to 10.0 mm (0.01 mm increments)
Blocking method	Manual blocking
Memory	240 jobs, 200 patterns (The number of memory data can be increased using an optional USB flash drive.)
Display	8.4-inch SVGA color LCD touch panel
Interface	RS-232C - 4 ports / LAN (10 BASE-T) - 1 port
Power supply	AC 100 to 120 V / 230 V 50 / 60 Hz
Power consumption	50 VA
Dimensions / Mass	230 (W) x 367 (D) x 292 (H) mm / 6 kg 9.1 (W) x 14.5 (D) x 11.5 (H) " / 13.2 lbs.
Standard accessories	Spare fuse, Interface cable, Stylus pen, Power cord, Frame change holder
Optional accessories	Barcode scanner, USB flash drive

Specifications and design are subject to change without notice.



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