



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 includes 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.



■ 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.



■ Camera Brightness

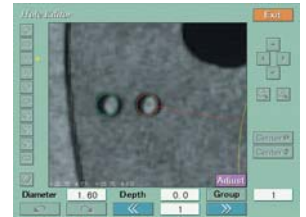
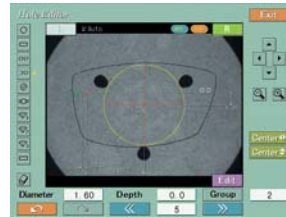
The camera display brightness can be changed among 4 levels.

When marking dark coated lenses, use the adjust buttons to change the brightness to a visible level.



■ 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 needs. It is also possible to set certain parts of the lens shape to remain unchanged for design purpose.



■ 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 the LT-900 frame tracer and the SE-9090 series 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.

Minimum Configuration



ICE mini+



Le / Lex series
*Picture is Le 1000

Mini LAB Configuration

LT-900



ICE mini+



SE-9090 series



ME-1000 series



Lex 1000 series

*These configurations are just examples. Please contact us for further information.



ICE mini+ Specifications

Lens size	Dia. 80 mm or less
Layout span	FPD : 30.0 - 99.5 mm
	PD (or 1/2 PD) : 30.0 - 99.5 mm (15.0 - 49.75 mm)
	Height of the optical center : 0 - ± 15.0 mm
	Size adjustment : 0 - 9.95 mm
	WD : 15.0 - 45.0 mm (in increments of 0.1 mm)
	EP : 0.0 - 6.0 mm (in increments of 0.1 mm)
Item to be entered	FPD (or DBL)
	PD (or 1/2 PD)
	Height of the optical center (↓, BD↓, PD↓)
	Lens size
	Lens material [CR-39 (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	
Blocking method	Manual blocking method
Blocking accuracy	Position : Dia. 0.5 mm or less
	Axis angle : ± 0.5° or less
Interface	4 RS-232C, 1 LAN (10 BASE-T)
Memory	250 jobs, 200 patterns (The number of memory data can be increased using an optional USB memory.)
Display	8.4-inch color LCD touch panel
Power supply	AC 100 - 120 V / 230 V
	50 / 60 Hz
Power consumption	50 VA
Dimensions / Weight	230 (W) x 367 (D) x 292 (H) mm / 6 kg
	9.05 (W) x 14.45 (D) x 11.5 (H) " / 17.6 lbs.
Standard accessories	Spare fuse (x2), Interface cable (x1), Stylus pen (x1), Power cord (x1),
	Frame change holder (x1), Pattern sheet (x1)
Optional accessories	Barcode scanner, USB memory

Caution: U.S. Federal Law restricts this device to sale, distribution, and use by or on the order of a physician.

*Specifications and design are subject to change without notice for improvement.



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