

Dia

E1000·E920 MULTI-AXIS LENS EDGERS

FD80 FRAME/LENS TRACER
LS82 LENS BLOCKER

920 SYSTEM LENS EDGER WITH TRACER



... from DIA OPTICAL CO.

E1000 SERIES MULTIFUNCTIONAL PATTERNLESS LENS EDGERS

State-of-the-art vertical wheel technology with 3D lens sensor and high definition large color touch-screen graphic interface enable more accurate, faster and more reliable jobs on any style, material and power of lenses.

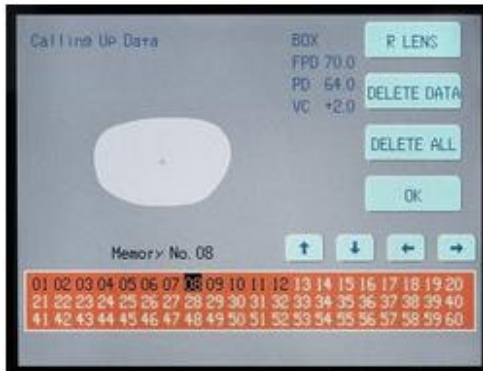


5" x 7" Color touch-screen graphic interfaces

Make E1000 Series Edgers the fastest and easiest machines to use of learn! All relevant job information is displayed in 13 multiple languages.



Built-in 60 job memory is standard



Both the trace and process data are available to be stored and recalled within 60 jobs.

A small 18mm high lens with bevel, 16mm rimless lenses

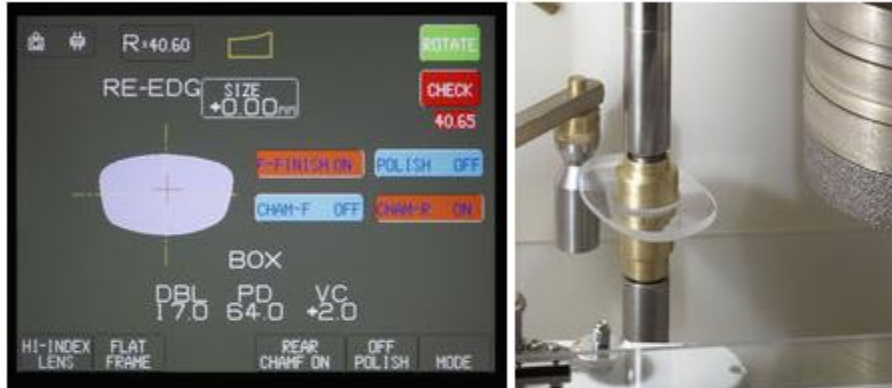


Shape modification (adjustment) software included



Advanced re-edge and finish options!

Did you forget to polish, chamfer or groove the lens? You can still do it even if the lens was unblocked and data lost. Simply put a block on the lens anywhere and press the CHECK button on the touch screen, the E1000's 3D Lens Sensor will measure the shape, thickness, curve and size of the lens-edge in the accuracy of 0.01mm and transfer those data to the re-edge program of computer.



No other edger is capable of offering these useful time saving options!

E1000 always memorizes the process data of the past 20 jobs automatically and such data is automatically searched any time even after other jobs were performed.

Multi-width grooving and safety-beveling (E1000-GP, E1000-GP2)

Simple, durable arm grooves and safety-bevels. Simple adjustments for depth and width. Concurrent grooving and finishing with polycarbonate and Trivex lenses. E1000 Edgers utilize an industrial motor and more aggressive wheels to achieve significantly faster result.



Flexible, axis-indexing lens blocks and chucks

allow faster processing and perfect axis on a wide range of lenses.



Yet, the **E1000 Series** and **E920** Edgers include **"Self Lens-Trace"**, which function copies a sample lens, another side lens or a pattern for finishing a lens simply without using any external tracer unit!








Chuck up the blocked Simply Layout the lens-shape sample lens. E1000's with proper PD and MRP on sensor traces it to make the main screen then start the lens-shape data.

Simply Layout the lens-shape sample lens. E1000's with proper PD and MRP on sensor traces it to make the main screen then start the lens-shape data, edging.

All models include:

All materials (Trivex, Poly, CR-39, Hi-index & Mineral Glass) Automatic and manual calibration Automatic and manual diagnostics Compact 35cm counter space (35 x 40cm, 70 x 40cm with tracer and blocker) Energy efficient (600 Watts or 5 Amps with industrial strength & speed) Hydrophobic coating friendly (Special processing programs available) Optional barcode data entry Software memory module for easy upgrades User customizable operation menu VCA/OMA standard ready

Various types available, there's one to fit your needs

Model / Type	Standard Beveling	Wider Beveling	Rimless Finishing	Standard Bevel & Rimless Polishing	Grooving Safety Beveling
E1000 Type GP					
E1000 Type GP2	✓	✗	✓	✓	✓
E1000 Type P	✓		✓	✓	
E1000 Type S	✓		✓		
E920	✓		✓		

Multi-width Grooves, Safety-bevels & Polished Lenses Standard Bevel & Polishing Wheels plus Glass & Plastic Roughing Wheels

Same as Type GP but the mineral glass roughing wheel is replaced by a 2nd 10 degrees finishing wheel (wider bevel groove wheel) that is optimized for high-minus and wrap lenses

Standard Bevel & Polishing Wheel plus Mineral Glass & Plastic Roughing Wheels

Standard Bevel Wheel plus Mineral Glass & Plastic Roughing Wheels (3-wheel model)

Standard Bevel Wheel plus Mineral Glass & Plastic Roughing Wheels (3-wheel model)

Various system configurations available to meet your finishing lab needs

Accessories for E1000 Edgers

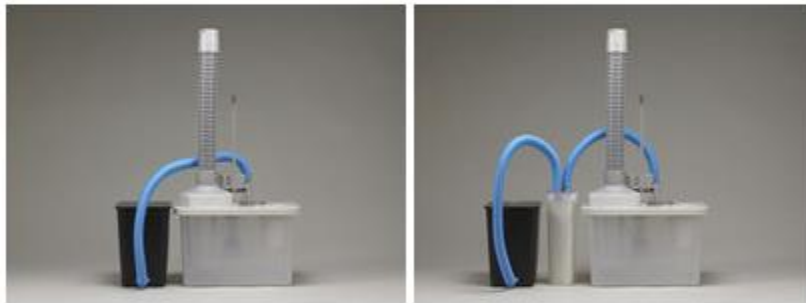
Standard accessories

Recirculating coolant system (water tank and pump) is standard together with lens chucking materials, tools calibration gauges, etc.



Deodorizer system (JD-3) Deodorizer system (JD-3) with air-filter (Optional accessories)

The simplest but perfectly effective deodorizer. Adding the extra air-filter will prolong the life span of the deodorant.



Program Memory Modules (Optional upgrade)

Memory modules are available to keep your edger' software completely up to data.

Signal distributor (SD-1) (Optional accessory)

With this automatic switching device, up to 5 units of E1000/[E920](#) Edgers and/or [LS-82](#) Blockers can be connected to one [FD-80](#) Tracer with barcode reader interface.



System rack (Optional accessory)

Stores the [FD-80 Tracer](#) and [LS-82 Blocker](#) vertically.
This simple knockdown rack provides increased productivity and saves a space of your workshop counter.



Direct water connection kit (Optional accessory)

City water is supplied direct to an E1000/[E920](#) Edger under computer control.

Specifications

Diameter of lens acceptable	[Min]18mm high with bevel, 16mm high rimless finish / [Max] 100mm
Types of (fully-automatic) finishing available	Standard beveling / Rimless finishing / Wider beveling (GP2) / Standard bevel polishing (GP, GP2, P) / Rimless polishing (GP, GP2, P) / Front and rear safety bevel (GP, GP2) / Front, center and rear-face curve grooving (GP, GP2)
Bevel programs	Fully-automatic (computer controlled) beveling / Controlled beveling including front-face curve, optional curve and position
Dimensions / Weight	370(W) x 370(D) x 553(H) mm / 39 kg
Power requirement	100-120V / 60Hz or 200-240V / 50Hz AC, 600W