

Dia Lens Finishing Products & Accessories

The best solutions for your finishing

laboratory

solutions

For simple and precise rimless drill mounts.....

DigiDrill DM-50 (Rimless Lens Drill)

The best solution for fast and precisely processing rimless drill mounts!



Digitally captures and memorizes hole and notch locations on the demo lenses then transfers them to the final patient lenses simply and accurately.





- •Simplified operation for any shape hole or notch on any shape lens.
 - •Hole positions of demo lenses can be simply and accurately measured and stored in a computer memory by pressing one button then called up for drilling the final patient lenses.
 - •8 positions can be memorized at once.
 - •Allows drilling a customized lens with shape modification.
 - •High-speed, high-damping and non-runout drill spindle produces the finest finish of holes and notches.



Meets various styles of holes and notches A wide range of extra drill bits, router bits (notching bits) and end-mill bits is available from our optional accessories.



A unique mounting tool changes tool bits quick and safe in 10 seconds or less!



●1/2-hole hand reamer included
This handy tool allows for fast
and simple fine tuning adjustment
of the actual frame to lens fit.



 Useful line marker is also standard!
 Helps you draw an accurate horizontal line on any type of lens simply.

Possible diameter of tooling	0.8~2.6mm (3.0mm for optional end-mill)	
Spindle speed	0∼6400 RPM (Variable)	
Power requirements	100~240V 50/60Hz AC, 22W	
Dimensions / Weight	300 (W)×225 (D)×250 (H) mm/5.0kg	
Accessories	Standard accessories including AC / DC power adapter, drill bits, 1/2-hole hand reamer, line marker, tools, etc.	

Lens Drilling Machine DM-3 (Rimless Lens Drill)

All materials including mineral glass.



- ■Two-sided drilling system performs speedy drilling without cracking of lens.
- Available for all current lens materials mineral glass, CR-39 and polycarbonate as well.
- ■The diameter of hole is simply adjustable to a precision of 0.2mm with a directly-readable scale.





Specifications

Possible Diameter of Drilling	0.8~2.8mm
Power Requirements	100∼120V 60Hz AC or 200∼240V 50Hz AC, 17W
Dimensions/Weight	140 (W) × 185 (D) × 275 (H) mm / 4.1kg
Accessories	Lens holder attachment, drill bit holder, etc.

Handy Drill DM-5 (Rimless Lens Drill)

Easy to use for high quality rimless jobs!



- ■Rigid and non-runout drill spindle performs speedy and attractive drilling on all plastic materials.
- Well-thought out design of lens-supporting system secures drill point and angle on any shape lens.
- A wide range of extra drill bits is available and exchangeable quick and simply.
- ●1/2-hole hand reamer (a standard accessory) eases fine tuning adjustment on a hole.





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Possible diameter of tooling	0.8~2.6mm (3.0mm for optional end-mill)		
Spindle speed	2900 (50Hz) / 3500 (60Hz) RPM		
Power requirements	100~120V 60Hz AC or 200~240V 50Hz AC, 30W		
Dimensions / Weight	140 (W)×185 (D)×275 (H) mm/4.0kg		
Accessories	Standard drill bits, 1/2-hole hand reamer, etc.		

For producing accurate patterns.....

Pattern Maker PM-8





- ■The most advanced stand-alone pattern maker. Scans frames, lenses and patterns digitally and cuts out extremely accurate patterns automatically.
- ●Generates boxed or decentered pattern fully automatically.

 A perfectly boxed pattern, on which the pattern's mechanical center comes on the geometric center of the lens-shape is automatically available, simply by putting the frame in place and tracing it, If the values of the client's PD and height of eye-point are inputted to the PM-8, a decentered pattern is generated automatically to enable you to block a lens blank on its optical center.
- ●Traces a lens-shape as small as 18mm high.
- Minimum tracing pressure eliminates distortion even with extremely delicate frames.
- ■Takes only seconds to change between frame and lens tracing.



Specifications

-	
Range of Measurement	Min:18mm (in height) Max:85mmφ
Possible Diameter of Pattern	Min:21mm (in height) Max:80mmφ
Possible Thickness of Pattern	Max:1.8mm
Power Requirements	100∼120V 60Hz AC or 200∼240V 50Hz AC, 47W
Dimensions/Weight	240 (W) × 350 (D) × 260 (H) mm/9.0kg

Pattern Maker PM-7



- ■The standard in the world!
- Cuts out a pattern for 30 seconds with high-accuracy and attractive finish
- Frame is set simply in precise position, and traced without deformation of the rim.
- 3 types of tracing probes long, short and with roller - are standard to meet a wide range of frame styles.



80mm
1.8mm
100∼120V 60Hz AC or 200∼240V 50Hz AC, 60W
210 (W)×165 (D)×300 (H) mm/8.3kg

For the best lens-edge finishing.....

Auto Groover AG-5 Version EX (Lens-edge Groover)

Smaller lenses can be grooved!

Processes a small 24mm high lens for the latest frame fashions simply in a single job cycle due to a new designed lens guide system.

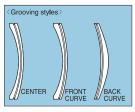


Depth and location of groove are adjustable simply and precisely.





- Three grooving styles
 - •Center, •Front Curve & •Back Curve grooves are available.







High quality diamond cutter wheel fine grooves both mineral and plastic lenses.

Specifications

Width of groove	0.6mm - standard (0.5~1.2mm with extra wheels)
Max. depth of groove	0.7mm
Thickness / Diameter of lens acceptable	1.5~11.0mm /24~70mm
Power requirements	100~120V 60Hz AC or 200~240V 50Hz AC, 57W
Dimensions / Weight	170 (W)×210 (D)×150 (H) mm/2.7 kg

Auto Polisher AP-2 (Lens-edge Polisher)





- No damage is caused to the optical surfaces of lens due to our unique patented system.
- ●A perfect automatic vacuum-clean-out system is available only by connecting your own vacuum cleaner (less than 600W) to the AP-2.
- Automatically edge-polish all current plastic materials including polycarbonate, hi-index with the same buffing wheel and polish. True simple to operate!
- Both rimless and beveled lenses can be polished.



Dimensions / Weight	214 (W)×270 (D)×240 (H) mm/6.7kg
Power Requirements	100∼120V 60Hz AC or 200∼240V 50Hz AC, 85W

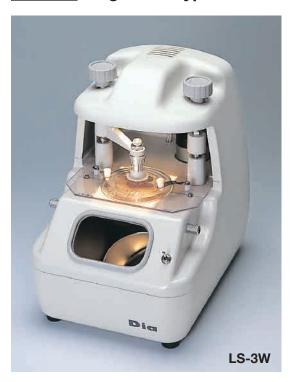
For accurate and attractive glazing.....

Lens Marker Blocker LS-3W Lens Blocker LS-3E

Upgraded with battery-powered LED light source!

LS-3W Twin-arm type for both blocking and marking lenses

LS-3E | Single-arm type for blocking lenses



A wide range of adapters for other manufacturers' blocking systems is available from our optional accessories.

- New-introduced LED light source provides much clearer layout screen, at the same time actualizes a super power-thrifty device with a built-in auto-shut-off timer.
- Battery-powered cordless, compact and lightweight design permits placement anywhere.
- Multifunctional design performs
 centering, •adhesive blocking,
 suction blocking and
- marking axis-lines and center-dot (L-33W). Blocking head and marking head can be simply replaced each other on the left and right arms as operator's option (L-33W).





Projects absolutely parallax-free and on-size images of lens and pattern on an easi-view screen, yet movable lead-lines position the segment simply and precisely.

Specifications

Power Requirements	3V DC, 0.5W (Battery: LR14, R14 or Type C / 2pcs.)
Dimensions / Weight	$180 \text{ (W)} \times 245 \text{ (D)} \times 250 \text{ (H)} \text{ mm} / 3.2 \text{kg (LS-3W)} 2.7 \text{kg (LS-3E)}$
	

Frame Meter FM-1



- ●The frame's dimensions can be identified by simply dropping the frame into the self-centering table and measuring the frame PD and both monocular PD.
- Checks accuracy of cut patterns and finished lenses.
- Pinpoints the optical center or boxing center on the frame eyeshape. Ensures the perfect lens placement of any single vision, bifocal or multifocal lens.



Range of Measurable P.D.	50mm~84mm/25mm~42mm (Monocular PD)
Range of Measurable Height (from Center)	15mm~25mm
Dimensions / Weight	200 (W) × 125 (D) × 90 (H) mm / 1.0kg

Hand Edgers NH-series

NH-22F NH-22V NH-30F NH-30V NH-30W NH-32WV NH-32TV



- Self-contained water system, compact and lightweight design require no plumbing and no installation.
- Durable plastic housing and water-proof inside construction produce no corrosion.
- Reversible wheel revolution with an electric switch.
- lacktriangle A large range of high quality metal-bonded diamond wheels (100mm ϕ) is available.

NH-22F	22mm (W) 600mesh	NH-30W	30mm (W) 600mesh+200mesh
NH-22V	22mm (W) 600mesh w/V-groove	NH-32WV	32mm(W) 600mesh w/V-groove+200mesh
NH-30F	30mm (W) 600mesh	NH-32TV	32mm (W) 600mesh w/Free-floating V-groove
NH-30V	30mm (W) 600mesh w/V-groove		

Specifications

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Revolution Speed of Wheel	1700rpm/60Hz, 1400rpm/50Hz	
Power Requirements	100~120V 60Hz AC or 200~240V 50Hz AC, 97W	
Dimensions / Weight	220 (W) × 360 (D) × 280 (H) mm / 8.0kg	

Frame Heater **FH-1**





- An adjustable air duct and a sliding frame table warm up frames the most effectively and quickly.
- A nozzle attachment focuses the hot air in a specific area of the frame.
- ●Three temperature settings of hot air are available.
- Double safeguards a stable thermostat and an auto-shut-off timer built in.

Specifications

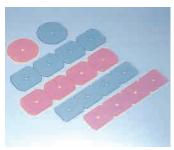
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Temperature Range	100°C~180°C (Adjustable)
Power Requirements	100~120V 60Hz AC or 200~240V 50Hz AC, 310W
Dimensions/Weight	120 (W)×210 (D)×240 (H) mm/2.4kg

Screw Finishing Kit



- Trims off the screws of a 'three-piece' rimless frame in equal length with a unique cutter, and finishes them off with another small tool.
- ●3 types of cutters (0.8mm, 1.0mm, and 1.2mm) are available according to the length to trim.

Pattern Blanks



- ●PATTERN SHEET LARGE 70 (W) ×60 (H) ×1.7 (T) mm Clear or Red
- 4 blanks in 1 sheet
- ●PATTERN SHEET SMALL 59 (W) ×48 (H) ×1.5 (T) mm Clear or Red
- 4 blanks in 1 sheet
- ●ROUND PATTERN BLANK 80 (ϕ) ×1.7 (T) mm Clear or Red



The specifications and appearance printed herein are subject to change without notice,



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