



Patternless edger
Le 1000



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

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The new standard

Enter into the next generation of patternless edging

The new Le 1000 represents the new standard of excellence with NIDEK's legendary lens processing technology, delivering the ease-of-use, accuracy and superior quality the industry has come to expect from us - at entry level pricing.

1 Heavy-duty, durable mechanism

The Le 1000 is designed with the most advanced CAD (Computer Aided Design) components. A direct drive gear system maintains cylindrical axis with every cut. Size is controlled by a newly designed Y-axis direct drive assembly with a specialized servo motor, achieving consistent high precision results. An integrated stabilizer keeps the chucking pressure consistent, yet without harming lens coatings. Together, these components result in a heavy-duty, durable mechanism.



2 Mini Cup (optional)

*See P.5 for further more details.

3 Grooving & Safety Beveling

The Le 1000 features a specially designed grooving wheel, which achieves a superior groove quality with "pin-point" accuracy. A reduced grooving wheel diameter, set at the optimal angle, grooves highly curved lenses flawlessly.

A newly designed safety beveling wheel provides accurate and consistent design and appearance of safety bevel on any lens. Safety bevel, either on front and rear, or rear only, is selectable.



a High efficiency spindle motor

With its direct drive main motor and wheel spindle, the Le 1000 offers extremely high reliability. In terms of electricity consumption, this motor is significantly efficient compared to general A/C motors.

b Reduced water volume

Typically, when a lens edger is connected to direct water, there is a large amount of water consumption. But with the Le 1000, the amount of water used is reduced by 40%* in comparison to our conventional model.

*When processing CR39 or high index lenses.

The new Le 1000 conforms to Reduction of Hazardous Substances (RoHS) standards in its electronic components. Because of its small size and low weight, the Le 1000 utilizes less resources, making it more considerate to the environment. With its eco-friendly design, the basic properties of the machine outperform the competition.



4 Integrated air duct for deodorization

Incorporating a duct to attach hoses for connecting deodorization equipment and ventilation fans to control the smell during lens processing.

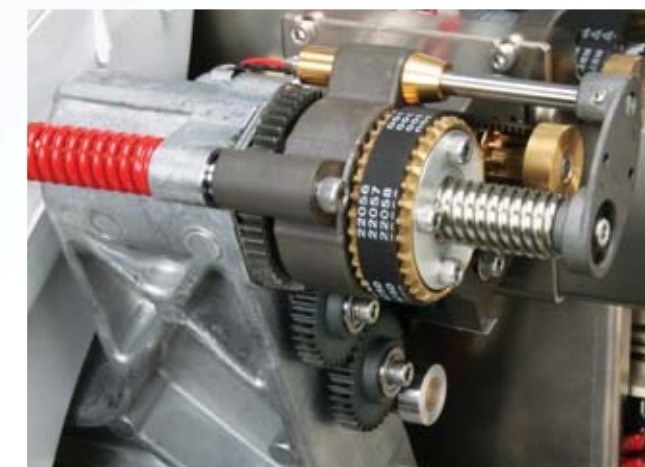
5 High precision 3-D frame tracer

The Le 1000 incorporates a tracer into the main console, which realizes the world's smallest footprint. With its user-friendly design, frame setting position can be easily observed during the tracing process.



6 Chuck pressure stabilizer

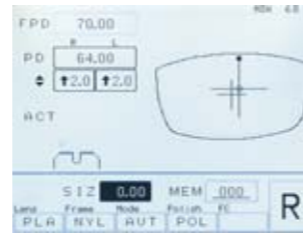
An integrated stabilizer keeps the chuck pressure consistent, without harming lens coatings. The chuck pressure is maintained and stabilized to avoid unnecessary lens distortion and coating damage throughout the edging cycle.



Proof of our uniqueness

Easy Shape Editor

With the Le 1000's Easy Shape Editor, lens shape width and height can be easily altered. Changing the height of drill mount frames for improved progressive lenses' layout is easily achieved.



Color-coded lens identification

The R/L indicator lamp helps operators to correctly identify right and left lenses in combination with the use of red and green cups.



Soft Grinding Mode

The Le 1000 features Soft Grinding Mode for processing slippery super-hydrophobic coated lenses, avoiding axis shift and lens crazing. Our technology of axis stability is outstanding in the industry.

Processing New Material Lens

The Le 1000 can process various lens materials, including the newest polyurethane lenses used for sunglasses.

Mini Cup (optional)

Minimum 17.4 mm "B" dimension can be processed with our Mini Cup.



	Mini Cup	Standard Pliable Cup
Flat edging	22.0 x 17.4	32.0 x 19.0
Bevel edging	23.0 x 18.4	33.0 x 20.0

Minimum size (height x width) in mm (without safety bevel)

System configurations

Several Le 1000 configurations are available to meet your specific needs.

High grade Le 1000 & Ice 1000

Standard Le 1000 & ICE mini+

Entry Le 1000 & CE-9



Four choices of grinding wheel sets are available.

Wheel Options

	PC	PL-4	PLB	PLB-2R
Plastic Bevel	●	●	●	●
Plastic Bevel Polish			●	●
Plastic Flat	●	●	●	●
Plastic Flat Polish		●	●	●
Glass Bevel	●	●		●
Glass Flat	●	●		●

Plastic is including CR-39, Hi-index, Polycarbonate, Trivex and Polyurethane.

These models are available depending on your requirement.

Specifications

	S	L	SNT	LNT
Built-in 3D tracer	●	●		
Grooving (Auto/Guide) 0.6 to 1.2 mm	●		●	
Safety bevel (Front and rear / rear only)	●		●	
Auto/Guide Beveling			●	
Soft Grinding Mode			●	
Easy Shape Editor			●	
Barcode reader			○	
Circulation pump and tank			○	
Mini Cup set			○	
Grinding lens size (Standard Cup)	Maximum	85.0 mm (W)		
	Minimum	Flat	32.0 (W) x 19.5 (H) mm	
Grinding lens size (Optional Mini Cup set)	Minimum	Bevel	33.0 (W) x 21.0 (H) mm	
		Flat chamfering	34.5 (W) x 21.5 (H) mm	
		Bevel chamfering	35.5 (W) x 22.5 (H) mm	
		Grooving	32.0 (W) x 19.5 (H) mm	
		Flat	22.0 (W) x 17.4 (H) mm	
Power supply	115 V model	AC 115 V, 50 / 60 Hz		
		AC 230 V, 50 / 60 Hz		
	230 V model	AC 115 V, 50 / 60 Hz		
		AC 230 V, 50 / 60 Hz		
	Power consumption	1.3 kVA		
Size (WxDxH)	528 (W) x 493 (D) x 344 (H) mm			
	20.8 (W) x 19.4 (D) x 13.5 (H) mm			
Weight	41 kg	36 kg		
	90 lbs	79 lbs		

●: Standard ○: Optional