NIDEK

Multifunction edger

Me 1200

The Art of Eye Care

The Future of Edging

Multifunction edger Me1200

The ME-1000 DESIGN+ Lens Edger, which had ushered in a new era of lens finishing as the world's first automatic 3D drilling edger, has been totally redesigned from the ground up. While incorporating all of the ME-1000 DESIGN+ advanced features, the new Me 1200 Multifunction Lens Edger introduces additional high-tech functions in a smaller, more compact footprint.

3D Grooving

Radius Measuring

Is Here

3D Drilling

Step Beveling

Edging Process

The Me 1200 has the most advanced auto-control processing system with an exceptionally rigid, vibration-free direct linear drive lens carriage. With a built-in ability to measure lens volume, it provides the most suitable condition for lens processing, while calculating lens grinding torque.

Electronic Estimate System (EES)

Newly designed Electronic Estimate System (EES) is incorporated into the Me 1200. This system provides information of lens measurement, estimation of lens processing time, and automatically controls the selection of lens processing method. Normal lens processing time is reduced by 20% compared to previous models, and with the EES mode, processing time is reduced by 30%. With EES mode, super hydrophobic coated lenses can be edged without axis shift.

Me 1200 Multifunction edger

Design Function

The Me 1200 has all of the state-of-the-art design functions that were incorporated in the previous model. Yet ease-of-use and display contrast are superior with the Me 1200's newly designed LCD touch screen.

Automatic 3D Drilling

The Me 1200 provides a highly durable, rigid design and whisper-quiet operation. 3D drilling function enables the operator to create various hole shapes such as slots, notches, countersunk holes and jewel holes. The hole data input can be easily set with a stylus pen on the touch screen which indicates the actual hole size. The hole shape selection is made by simply choosing one of the illustrated icons. In addition, the recommended drill bit replacement maintenance interval is prompted on the screen.

Automatic 3D Grooving

Semi-rimless groove jobs are processed with pin-point accuracy resulting in highly-attractive lens periphery regardless of lens shape, curve and thickness. Even when processing high-base curve lenses, the width and the profile of the groove are consistent.

Safety Beveling

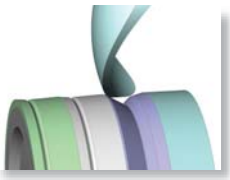
The Me 1200 even has the ability to polish safety bevel. Additionally, the special safety bevel can create a high minus lens edge to look even thinner than it actually is, as well as polish it to a high luster.

Dual Lens Measurement

The Me 1200 measures the lens size before grinding, and determines if the lens diameter is sufficient before measuring the lens thickness. A new frame-change function also confirms the lens size measurement. Should a patient like to change his/her frame using existing lenses, it is easy to check if the lens diameter is sufficiently large.

High-base Curve Patented Lens Processing

NIDEK's unique front and rear independent grinding function offers a high-curve bevel with flawless results. The position and height of the bevel can also be manually controlled.

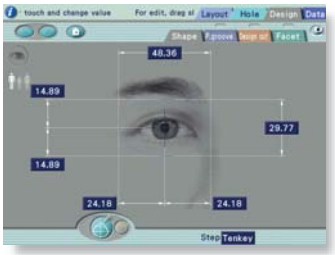


Step Bevel Processing (PLB-8S only)

With step bevel processing, Rx lenses can be easily mounted into a sunglass frames which are traditionally difficult to mount due to uneven eyewire profile.

Advanced Shape Editor

Customized shapes are easily created with the advanced shape editor. A special "fixed area" function allows the operator to change a particular portion of the lens while maintaining other peripheral areas unchanged.

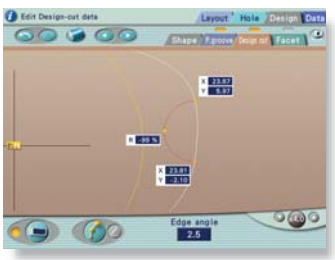


Partial Grooving

Multiple grinding conditions can be applied to a lens, such as partial grooving, changing the groove width and depth depending on the location. Partial bevel is also available.

Design Cut

The Design Cut enables you to create a unique lens shape utilizing the drill bit as a milling tool. This allows the operator to creatively design a lens edge or hole resulting in the most intricate shapes, which grinding wheels cannot process.



Faceting

The Me 1200 creates a highly fashionable facet finish on a lens edge, instantly upgrading the value of the eyewear. The operator only needs to specify the facet position and its width on the touch screen. Front and real facets are possible and the finished design can be viewed on the screen in advance.

Easy Operation

An 8.4-inch color touch screen displays a shape and layout in full scale. Condition settings are easy to understand with intuitive display design. The addtion of a jog dial allows you to easily change numerical values.

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Ease of Use

Compact Design

The size of the Me 1200 is 30% smaller than its predecessor. The depth of the unit is minimized so that the back of the device can be moved close to the wall, maximizing space and the new ergonomic design lends to its ease of use.

Color-coded Pliable Lens Cup

Pliable lens cup are gentle to lens coatings and eliminates axis shift. These cup are color-coded to process right and left lens faster and eliminating incorrect lens processing.

Nano Cup (optional)

By using Nano cup, an optional accessory, minimum lens "b" dimension of 15.5 mm can be processed. Especially designed for super hydrophobic lenses, the unit is equipped with an exclusive Nano cup Mode.

Data Management

JOB data can be backed-up in the USB Memory and transferred to other instruments*.

*Ice 900, ICE mini+, Ice 1000, Lex 1000

Ventilation

The Me 1200 is equipped with a vent hose which can easily connect the lens edger to our LED-200 deodorizing unit for aspiration of high-index odor.

Accessory Compartment

Standard accessories can be conveniently stored in the unit's built-in accessory compartment.

Processing Time Indicator

The Me 1200 measures the volume of a lens, calculating and indicating the anticipated lens processing time on the screen. Additionally, the status bar on the screen shows the processing progress.

Voice Indicator

An audio prompt announces the progress time process, as well as the end of cycle, with a corresponding message such as “The right lens will soon be completed”.

Information Bar

Even first-time users can easily operate the Me 1200 with the assistance of the Information Bar displayed at the top of screen, which provides helpful “next step” information.

3D Simulation

Sophisticated 3D bevel simulation allows you to check the bevel placement as if viewing the actual lens for any selected angle.

Design Data Indicator

The existence of design data is shown on the screen for easier understanding JOB data.

Wheel Configuration

Based on lens processing needs, various wheel configurations are available.

	PLB-G	PL-8	PLB-8S	PLB-2R8
Plastic bevel	●	●	●	●
Plastic bevel polish	●		●	●
Plastic flat	●	●	●	●
Plastic flat polish	●	●	●	●
Glass bevel	●*2	●		●
Glass flat	●*2	●		●
Plastic high base curve bevel*1		●	●	●
Step bevel			●	

PLB-G (Equipped with a finishing wheel for glass lenses only)
PLB-8S (Equipped with a step bevel and a high base curve wheel Does not process glass)
PLB-2R8 (Equipped with an high base curve wheel)
PL-8 (Equipped with an high base curve wheel Polishing is available for flat lens edge only.)

*1 Safety bevel processing is not possible for high base curve bevel.
*2 Use of finishing wheel for glass lens

Minimum Grinding Size

	Pliable Cup (standard) W x H	Mini Cup (optional) W x H	Nano Cup (optional) W x H
Flat	ø32.0 x 19.5 mm	ø22.0 x 17.4 mm	ø20.0 x 15.5 mm
Bevel	ø33.0 x 21.0 mm	ø23.0 x 18.4 mm	ø21.0 x 16.5 mm ø21.0 x 17.5 mm*3
Hi-curve bevel	ø39.0 x 26.0 mm	ø29.0 x 24.4 mm	ø27.0 x 22.5 mm
Flat chamfering	ø34.5 x 21.5 mm	ø24.5 x 19.9 mm	ø23.0 x 18.5 mm
Bevel chamfering	ø35.5 x 22.5 mm	ø25.5 x 20.9 mm	ø24.0 x 19.5 mm
Grooving	ø32.0 x 19.5 mm	ø22.0 x 17.4 mm	ø20.0 x 15.5 mm

*3 type PL-8 only

Me1200 Specifications

Grinding system	Patternless
Mode	Beveling (automatic, guided, frame curve) Partial beveling (automatic, guided, frame curve) Flat edging Polishing Chamfering (with, without polish) Special safety beveling Facet Grooving (automatic, guided, frame curve) Partial grooving Drilling (automatic, angle, X-Y, X-auto, curve) Design cut High base curve beveling Step bevel (type PLB-8S only) Frame changing
Setting range	
FPD	30.00 to 99.50 mm (0.01 mm increments)
PD	30.00 to 99.50 mm (0.01 mm increments)
1/2PD	15.00 to 49.75 mm (0.01 mm increments)
Optical center height	0 to 15.0 mm (0.1 mm increments)
Size	0 to ±9.95 mm (0.01 mm increments)
Minimum grinding size	
Flat edging	ø32.0 x 19.5 mm / with nano cup (optional) ø20.0 x 15.5 mm
Bevel edging	ø33.0 x 21.0 mm / with nano cup (optional) ø21.0 x 16.5 mm ø33.0 x 21.0 mm / with nano cup (optional) ø21.0 x 17.5 mm (type PL-8 only)
Flat chamfering	ø34.5 x 21.5 mm / with nano cup (optional) ø23.0 x 18.5 mm
Bevel chamfering	ø35.5 x 22.5 mm / with nano cup (optional) ø24.0 x 19.5 mm
High base curve beveling	ø39.0 x 26.0 mm / with nano cup (optional) ø27.0 x 22.5 mm
Drilling	
Hole diameter	ø0.8 to 10.0 mm
Hole depth	6.0 mm or less
Range for hole milling	ø33.0 to 70.0 mm from lens rotation axis
Direction for hole milling	Automatic / Manual tilting 0 to 30°
Slotted hole width	ø0.8 to 10.0 mm
Slotted hole depth	6.0 mm or less
Slotted hole length	20.0 mm or less
Water supply system	Pump circulation or direct connection to tap water
Interface	RS-232C - 3 ports Ethernet - 1 port USB - 1 port (for the optional USB flash drive only)
Power supply	AC 100 to 120 / 230 V, 50 / 60 Hz
Power consumption	1.5k VA
Dimensions / Mass	600 (W) x 496 (D) x 355 (H) mm / 52 kg 23.6 (W) x 19.5 (D) x 14.0 (H) " / 114.5 lbs.
Standard accessories	Pliable cup, Pliable cup for high base curve, Double-coated adhesive pad, Power cord, Stylus pen, Pliable cup remover, RMU/LMU calibration jig, Dressing stick for finishing wheel, Dressing stick for glass roughing wheel (type PLB-G, PL-8, PLB-2R8), Compound kit, Hexagonal screwdriver, Hexagonal wrench, Drain hose adapter set, Feedwater hose, Tray
Optional accessories	Specified table, Barcode scanner (built-in type), Barcode scanner (external type), USB flash drive, Circulation pump and tank, Water direct connection unit, Lens edger deodorizer (LED-200) Lens dust filtration unit (Lfu 220), Mini cup set, Nano cup set

Specifications and design are subject to change without notice.

Eye & Health Care
NIDEK CO., LTD.

HEAD OFFICE
34-14 Maehama, Hiroishi
Gamagori, Aichi 443-0038, Japan
Telephone : +81-533-67-6611
Facsimile : +81-533-67-6610
URL : http://www.nidek.co.jp
[Manufacturer]

TOKYO OFFICE
(International Div.)
3F Sumitomo Fudosan Hongo Bldg.,
3-22-5 Hongo, Bunkyo-ku, Tokyo
113-0033, Japan
Telephone : +81-3-5844-2641
Facsimile : +81-3-5844-2642
URL : http://www.nidek.com

NIDEK INC.
47651 Westinghouse Drive
Fremont, CA 94539, U.S.A.
Telephone : +1-510-226-5700
: +1-800-223-9044 (US only)
Facsimile : +1-510-226-5750
URL : http://usa.nidek.com

NIDEK S.A.
Europarc
13, rue Auguste Perret
94042 Créteil, France
Telephone : +33-1-49 80 97 97
Facsimile : +33-1-49 80 32 08
URL : http://www.nidek.fr

NIDEK TECHNOLOGIES Srl
Via dell'Artigianato, 6 / A
35020 Albignasego (Padova), Italy
Telephone : +39 049 8629200 / 8626399
Facsimile : +39 049 8626824
URL : http://www.nidektechnologies.it

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