



Multifunction Edger  
Me 1200/900



THE ART OF EYE CARE

# MULTIFUNC

Me 1200



Avant-garde features  
inspire creativity in lens edging

The Me 1200, the flag ship model of NIDEK's lens edgers, has earned an exceptional reputation for being the solution to meet a wide variety of lens finishing needs. In fact, the Me 1200 exceeds today's demands with high performance features including automatic 3-D drilling and design mode.

# TION EDGER

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High quality lens edger  
with superior 3-D drilling accuracy

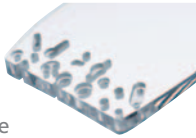
The Me 900 is an entry-level model of the multifunction edger series. A user-friendly touch panel offers comfortable operation for every user. Not to mention its high speed processing, the Me 900 produces an absolute quality finish.

# Edging process

The Me 1200/900 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.

## Automatic 3-D drilling

The 3-D drilling function enables the operator to create various hole shapes such as slots, notches, counterbored holes, and jewel holes. The hole data can be easily input 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, maintenance interval for drill bit replacement prompted on the screen.



## Step beveling / Partial step processing (Me 1200\*)

With step beveling, Rx lenses can be easily mounted into sunglass frames which are traditionally difficult to mount due to asymmetrical eyewire profiles. Maximum lens size: ø67 mm (type PLB-8S), ø72 mm (type PLB-2R8S)  
\*Type for PLB-8S and PLB-2R8S



## Automatic 3-D grooving

Semi-rimless groovings 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.



## Full estimate soft processing mode



The Me 1200/900 features full estimate soft edging mode, the most advanced technology for processing coated lenses. This technology monitors the grinding pressure and maintains

it at an optimal level throughout the entire cycle to eliminate axis shift.

## High base curve 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.

\*Not available for the Me 1200 type PLB-G

## Safety beveling/Polishing (Me 1200)



The Me 1200/900 has an ability to perform safety beveling. Additionally, special safety beveling of the Me 1200 makes the edge of a high minus lens look thinner than it actually is. It can be polished for high luster.



## Electronic estimate system (EES)

The electronic estimate system (EES) is incorporated into the Me 1200/900. This system provides information of lens measurement, estimation of lens processing time, and automatically controls the selection of lens processing method. With the EES mode, processing time is reduced compared to previous models. Super hydrophobic coated lenses can be edged without axis shifts.



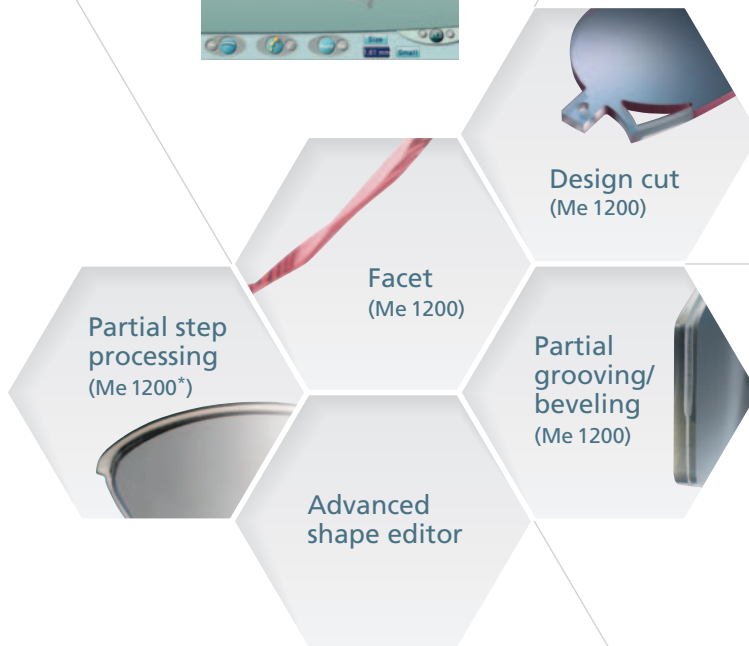
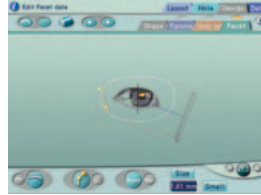
## Processable lens materials

The Me 1200/900 can process various kinds of lens materials. It is even equipped with the processing mode for polyurethane lenses, used as polarized lenses for sunglasses.

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 width on the touch screen. Front and rear facets are possible and the finished design can be viewed on the screen in advance.

The design cut enables creation of unique lens shapes 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 cannot be processed by traditional grinding wheels.

Partial step processing grinds an Rx lens for today's sports frames. Simply call the shape data of the demo lens from the ICE-1200 / Ice 900 into the Me 1200 and check the layout on the screen. After setting the lens into the Me 1200, processing will be completed by pushing the start button.



\*Type for PLB-8S, and PLB-2R8S

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

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.



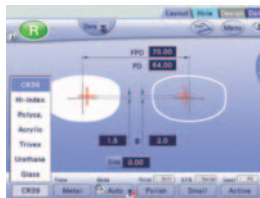
# Design function

The design cut enables creation of unique lens shapes 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 cannot be processed by grinding wheels.

# Easy operation

## User-friendly LCD touch screen

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. With a user-friendly LCD touch screen, the Me 1200/900 allows operators to achieve accurate, reliable and flexible performance with a more simple and easy operation.



## Jog dial

In addition to the intuitive operation of the touch screen, data can also be entered by using the jog dials. Pressing the center button moves the cursor to select an item on the screen.

Turning the jog dial selects an item or changes an item or value.



## Information bar

Even first-time users can easily operate the Me 1200/900 with the assistance of the information bar displayed at the top of the screen, which provides helpful "next step" information.



## Processing time indicator

The Me 1200/900 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 message (Me 1200)

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

## 3-D simulation

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



## Automatic processing chamber door (Me 1200)

With the automatic processing chamber door, user's efficiency and safety is further improved.

## Design data indicator (Me 1200)

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



# Wheel Configuration

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

|                                 | Me 1200 |        |         |          | Me 900 |         |
|---------------------------------|---------|--------|---------|----------|--------|---------|
|                                 | PLB-G   | PLB-8S | PLB-2R8 | PLB-2R8S | PLB-8  | 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 / Partial step       |         | ●      |         | ●        |        |         |

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



## Compact design

The size of the Me 1200 is 30% smaller than its predecessor. The depth of the unit is minimized so that the instrument can be moved closer to the wall. Maximizing space and the ergonomic design lends to its ease of use.



## Ventilation

The Me 1200/900 is equipped with a vent hose which can easily connect the lens edger to NIDEK's deodorizing unit, the LED-200 for aspiration of high-index odor.



## Color-coded pliable cup

Pliable cups are gentle to the lens coatings, eliminating crazing. Additionally, adhering to multiple curves they prevent axis shift. These cups are color-coded to identify right and left lenses at a glance, thus eliminating incorrect lens processing.



## Accessory compartment

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



## Nano cup (optional)

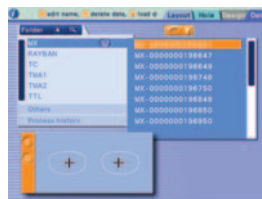
By using the optional nano cup with detachable supporter, a minimum B dimension of 15.5 mm can be processed. The exclusive nano cup mode supports stable processing of super hydrophobic lenses.



## Data management

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

\*ICE-1200, Ice 900, ICE mini+, LEX-1200



# Convenient use

## Minimum Grinding Size

|                  | Pliable Cup (standard)<br>W x H mm |              | Mini Cup (optional)<br>W x H mm |              | Nano Cup (optional)<br>W x H mm |              |
|------------------|------------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|
|                  | Me 1200                            | Me 900       | Me 1200                         | Me 900       | Me 1200                         | Me 900       |
| Flat             | ø32.0 x 19.5                       | ←            | ø22.0 x 17.4                    | ←            | ø20.0 x 15.5                    | ←            |
| Bevel            | ø33.0 x 21.0                       |              | ø23.0 x 18.4                    |              | ø21.0 x 16.5                    | ø21.0 x 16.5 |
| Hi-curve bevel   | ø39.0 x 26.0                       |              | ø29.0 x 24.4                    |              | ø27.0 x 22.5                    | ←            |
| Flat chamfering  | ø34.5 x 21.5                       | ø34.5 x 24.5 | ø24.5 x 19.9                    | ø26.5 x 23.5 | ø23.0 x 18.5                    | ø26.5 x 23.5 |
| Bevel chamfering | ø35.5 x 22.5                       | ø35.5 x 25.5 | ø25.5 x 20.9                    | ø27.5 x 24.5 | ø24.0 x 19.5                    | ø27.5 x 24.5 |
| Grooving         | ø32.0 x 19.5                       | ←            | ø22.0 x 17.4                    | ←            | ø20.0 x 15.5                    | ←            |

# Me 1200/900 Specifications

| Model                      | Me 1200  | Me 900   |
|----------------------------|--|--|
| Grinding system            | Patternless  | ←  |
| Mode                       | Beveling (automatic, guided, frame curve)<br>Partial beveling (automatic, guided, frame curve)<br>Flat edging<br>Polishing<br>Chamfering (with, without polish)<br>Special safety beveling<br>Facet<br>Grooving (automatic, guided)<br>Partial grooving<br>Drilling<br>Design cut<br>High base curve beveling<br>Step beveling (type PLB-8S and PLB-2R8S)<br>Partial step processing (type PLB-8S and PLB-2R8S) (optional)<br>Frame changing | Beveling (automatic, guided, frame curve)<br>Flat edging<br>Polishing<br>Chamfering (without polish)<br>Grooving (automatic, guided)<br>Drilling<br>High base curve beveling<br>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 adjustment            | 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   | 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 16.5 mm   |
| Safety beveling (flat)     | ø34.5 x 21.5 mm / with nano cup (optional) ø23.0 x 18.5 mm   | ø34.5 x 24.5 mm / with nano cup (optional) ø26.5 x 23.5 mm   |
| Safety beveling (bevel)    | ø35.5 x 22.5 mm / with nano cup (optional) ø24.0 x 19.5 mm   | ø35.5 x 25.5 mm / with nano cup (optional) ø27.5 x 24.5 mm   |
| High base curve beveling   | ø39.0 x 26.0 mm / with nano cup (optional) ø27.0 x 22.5 mm   | ø39.0 x 26.0 mm / with nano cup (optional) ø27.0 x 22.5 mm   |
| Drilling*                  |  |  |
| Hole diameter              | ø0.80 to 10.00 mm (0.01 mm increments)   |  |
| 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         | ø0.80 to 10.00 mm (0.01 mm increments)   |  |
| Slotted hole depth         | 6.0 mm or less   |  |
| Slotted hole length        | 20.0 mm or less  |  |
| Wheel configuration        | Type PLB-G, PLB-8S, PLB-2R8, PLB-2R8S  | Type PLB-8, PLB-2R8  |
| Water supply system        | Pump circulation or direct connection to tap water   | ←  |
| Interface                  | RS-232C - 3 ports<br>LAN - 1 port<br>USB - 1 port (for the optional USB flash drive only)  | ←  |
| Power supply               | AC 100 to 120 / 230 V , 50/60 Hz   | ←  |
| Power consumption          | 1.5 kVA  | 1.3 kVA  |
| Dimensions/Mass            | 600 (W) x 496 (D) x 355 (H) mm / 52 kg<br>23.6 (W) x 19.5 (D) x 14.0 (H) " / 115 lbs.  | 600 (W) x 496 (D) x 355 (H) mm / 50 kg<br>23.6 (W) x 19.5 (D) x 14.0 (H) " / 110 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, PLB-2R8), Compound kit, Hexagonal screwdriver, Hexagonal wrench, Wrench, Drill bit, Drain hose adapter set, Feedwater hose, Tray  | 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 glass roughing wheel (type PLB-2R8), Dressing stick for finishing wheel, Compound kit, Hexagonal screwdriver, Hexagonal wrench, Wrench, Drill bit, 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 kit  | ←  |

\*Size may become limited depending on the processing conditions.

Specifications and design are subject to change without notice.



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