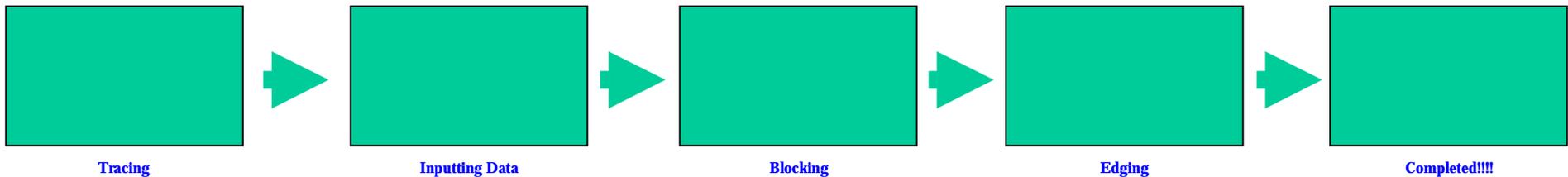




Comprehensive Edging Solutions--- EXPRESS

Faster, Easier, and Beautiful



New Standards

Nidek proudly announces that we have made one more advancement of the whole process of lens edging. The new improved LE-9000EX Express series and the intelligent blocker ICE-9000 with built-in 3D tracer deliver you fast, precise, and beautiful results--- NIDEK EDGE.



What does Express mean?

What we mean by "Express" here is to speed up the whole process of finishing lenses for glasses, not just to enhance the abilities of equipment. The LE-9000EX Express and the ICE-9000 are designed to be the same height which addresses the design consistency and optimum easy of use for those who are standing.



Mirror Polish

LE-9000's "Mirror Polishing" produces mirror-like lenses.

Mirror Polish Finish



Bevel Mirror Polish Finish



Accuracy

Two-point and half-rim lenses can be polished very precisely with greatly reduced buffing time. LE-9000SX PLB provides easy and accurate bevel mirror polishing.

*To ensure high performance of bevel mirror polishing, the PLB model is recommended for use only on plastic.

Speed Up!

The LE-9000 features high speed processing at every step of operation--- frame tracing, lens measurement, calculation and edging. Operation time is reduced to 1/3 compared to that of our first edger model.

High Quality

Newly developed 3D tracing & lens measurement feature provides accurate frame and lens measurements, ultimately offering a perfect finish. Thirty-two thousands data points per processing round ensures a precise fit.

Frame Memory

One hundred tracing patterns can be stored in memory, and with optional bar-code reader up to 500 patterns can be stored. This improves efficiency, saves time and storage space.

Flexible & Versatile

The LE-9000EX Express can process any type of lens materials including glass, plastic, polycarbonate, acrylic, and high index plastic lenses in accordance with your customers' needs.

LE-9000EX Express

More Speedy and More Beautiful

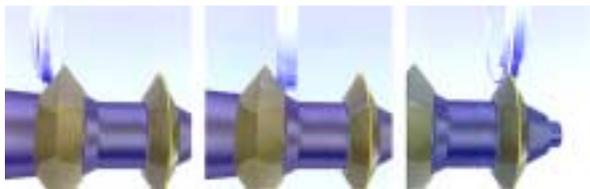
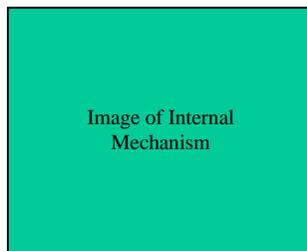
LE-9000EX Express Simple but Versatility

Fully Automatic

Nidek's newest EX series of patternless edgers provides automatic chamfering and grooving, with a new multidisk arm that grooves and chamfers in one operation. The optimal chamfering amount can be set by selection of chamfering parameters. Grooving is automatically accomplished in the proper position.

New High Speed Motor

The pursuit for speed and beauty has never ended. With the new high speed motor equipped with LE-9000EX Express, it exceeds our conventional model's speed by far. Furthermore thanks to the improved internal mechanism, it can achieve more stable and beautiful finishing lenses than our conventional model



Multi Layout

Standard Layout

Clear display of frame and optical center at actual size.



Bifocal Lens Layout

Unique layout system for double focal point lenses.

PD Layout

Layout for distance from optical center to the lens base and prescribed PD input. Convenient for processing progressive lenses

Bottom Layout

Ideal for progressive lens processing. Your choice of two modes (PD inputs and BT inputs.) can be used.

Eye Point Layout

Layout for inputting distance from eye point to lens base and horizontal distance to the edge of nose side. Convenient for processing of two-points lenses.

Multi Display

Frame Replacement Display

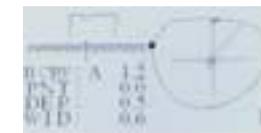
Convenient for frame replacement processing

Bevel Simulation Display

Provides easy confirmation and charge of bevel position before processing.

Simulation Display

Provides easy confirmation and charge of grooving position, depth and width before processing.



Safe & Smart

For operator safety, the system will not start if the edger cover is open.



Multiple Display

A variety of alignment displays are available for 3 types of lenses, including single vision, bifocal, and progressive lenses. Clear, high resolution display and 2X magnification feature allow easy and precise alignment.

Progressive Lens



Confirming Lens Size



Single Vision Lens (AUTO)



Single Vision Lens (Active or Passive Mode)



Half-eye Lens



Bifocal Lens



Bifocal Lens (2X Magnification)



**ICE-9000
Revolutionary**

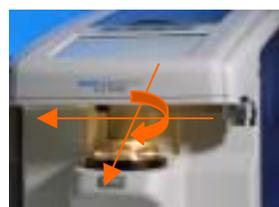
**ICE-9000
For Optimum Ease of Use**

Precise and Easy Blocking

Compared to the conventional blocking arm moving in only X direction, ICE-9000's blocking arm moves in X and Y direction. Furthermore, the end of the blocking arm rotates for making it easier to block a lens. These features mean that they can spare greater time for blocking. In other words, when blocking, just put a lens and the ICE-9000 can almost automatically block any type of lenses with greater ease and precise.

Color Touch Screen

The ICE-9000 incorporates the color touch screen for optimum ease of use. Operations such as inputting data or changing operational modes are carried out through touching the color and clear screen. This high visibility screen prevents human errors and results in the precise blocking.



Intelligent X.Y.R. Blocking



Built-in Tracer

The Nidek ICE-9000 incorporates a tracer into the main console and achieve the smallest footprint in the world. A shielded connection cable ensures safe and reliable data communication. With its operator-friendly design, frame setting position can be easily observed during the tracing.

Speedy and Precise 3D Tracing

The ICE-9000 provides precise tracing in all three dimensions. Unlike die plates, the tracer finishes even highly curved frames with greater accuracy. Also, the new design features high speed tracing, approximately 30 % faster than our conventional tracer.

Patterns and Dummy Lenses

The tracer automatically measures frame, pattern and dummy lenses, and the measuring pin returns to its housing after completing the operation.



Dual Tracing System

As both sides of lenses are traced with high accuracy, a perfect fits is possible even when there are subtle differences between right and left lenses. The frame PD is automatically measured, eliminating the need for manual measurement and input.

Low-pressure Stylus

Accurate tracing is accomplished at low pressure, eliminating frame distortion and disengagement.

LE-9000 Series (Active control)

