NIDEK

Intelligent Blocker

ICE-2

THE ART OF EYE CARE

ICE-2

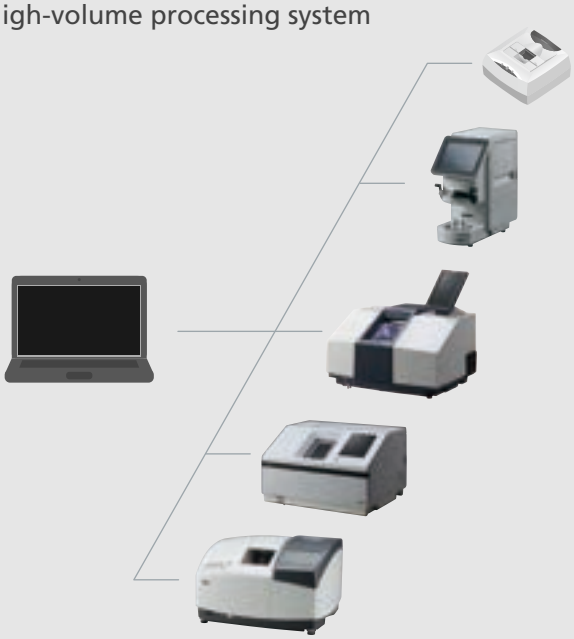
Precision in blocking.
Confidence in every NIDEK edger.

System configurations

► With ME-1

► With LEXCE plus series

► High-volume processing system



The ICE-2 is compatible with the VCA protocols.

Precise and easy blocking for all users

Secure lens positioning

Blocking with the flexible positioning adjuster* delivers high-precision accuracy by keeping the lens stable throughout the process. The adjuster maintains the lens's front base curve in an optimal horizontal position, minimizing gaps between the lens and the cup and preventing unwanted movement.

*Optional

Clear lens imaging

The ICE-2's imaging eliminates refractive distortion and provides a true view for positioning. The magnification screen allows users to align lens markings with greater ease and block with higher precision.

Simple and smooth blocking

The blocking lever design has been engineered for a smooth, intuitive motion—just pull the lever toward you and lower it. The side slide blocking movement is eliminated. Double-sided levers accommodate both right- and left-handed users, providing comfortable, accurate control without extra effort.

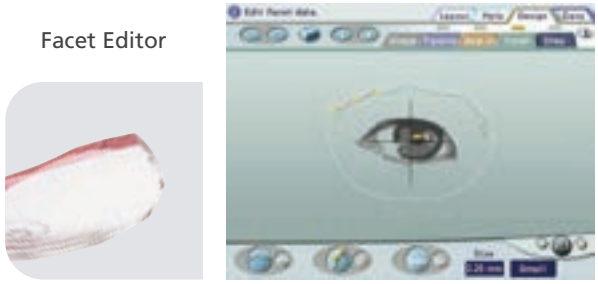
Versatile and user-friendly editing functions

Rich editing capabilities

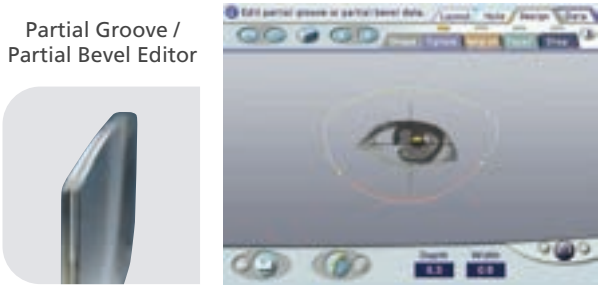
With six editors, the system makes complex shape edits intuitive. The Design Cut Editor supports up to 100 data points for intricate, stylish frame designs. Step / Partial Step Editor offers step angle setting from 0° to 15°, allowing compatibility with a wide range of frame designs.

Hole Editor

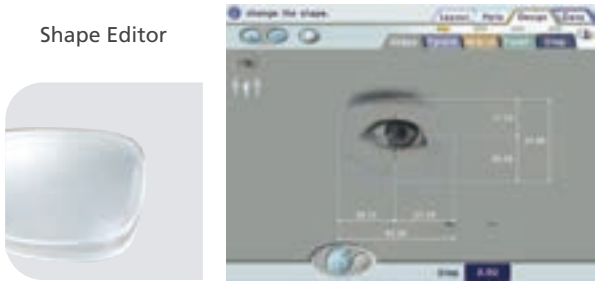
Facet Editor



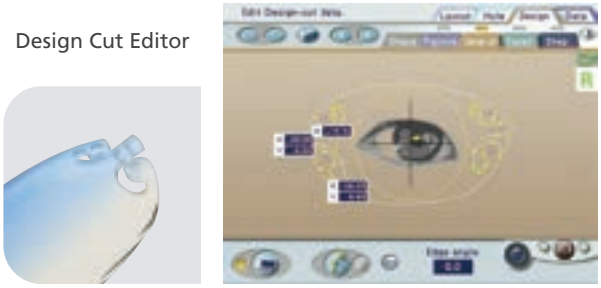
Partial Groove / Partial Bevel Editor



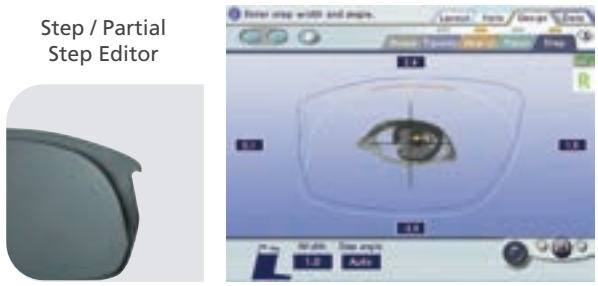
Shape Editor



Design Cut Editor



Step / Partial Step Editor



Efficient design editing with the Shape Imager

The Shape Imager streamlines design editing by accurately measuring the outline and hole positions of a demo lens or pattern. It features three distinct measurement modes—hole, design cut, and step—for efficient measurement.

Shape Imager

Smarter workflow through storage space and data management

Compact storage for better workflow

The built-in accessory compartment and flat-top design improve workspace efficiency.

Accessory compartment

The accessory compartment keeps lens tables and consumables organized and protected from dust and damage. It slides out from either side for easy access.

Flat-top design for tray placement

The flat top surface provides a stable platform for job tray placement, enhancing workflow convenience.

Efficient operation with data management

Built-in data storage supports saving, searching, and recalling of job and pattern data items with up to 60,000 data items. Using a USB flash drive* for backup ensures your data is always protected.

*Optional

Easy data entry via barcode

With the optional barcode scanner, shape data names can be entered instantly, eliminating manual input. Paired with your edger's barcode scanner, it enables a fully streamlined workflow.

ICE-2 specifications

Lens size	Lens diameter: ø110 mm or less
Layout span	FPD: 30.00 to 99.50 mm PD (or 1/2 PD): 30.00 to 99.50 mm (15.00 to 49.75 mm) Height of the optical center: -15.0 to 15.0 mm Size adjustment: -9.95 to 9.95 mm WD: 15.0 to 45.0 mm EP: -6.0 to 6.0 mm
Item to be entered	FPD (or DBL) PD (or 1/2 PD) Height of the optical center (frame center, BT height, PD height) EP (height of the distance eye point of progressive lens) Shape size Lens material (CR-39, Hi-index, Polyca., Acrylic, Trivex, Urethane, Glass) Frame type (Metal, Plastic, Optyl, Two Point, Nylor) Processing mode (Auto, Guide, HC Auto, HC Guide, Step Auto, Step Guide, Flat) Lens type (Single, Multi, Progressive, Demo lens) Job code
Shape Imager	Measurement range: 65.5 x 49.0 mm (±1.5 mm)
Hole Editor	Hole position: 0.01 mm increments Hole diameter: ø0.50 to 10.00 mm (0.01 mm increments)
Data storage capacity	60,000 data items (recommended for stable operation)
Blocking method	Manual blocking
Display	8.4-inch SVGA color LCD touch panel
Interface	RS-232C - 4 ports 1 port for connection with a first lens edger or server computer 1 port for connection with a second lens edger 1 port for connection with a tracer 1 port for connection with a barcode scanner LAN - 1 port USB - 1 port
Power supply	100 to 240 V AC, 50/60 Hz
Power consumption	60 VA
Dimensions/mass	224. 5 (W) x 411 (D) x 437.5 (H) mm / 10.5 kg 8.8 (W) x 16.2 (D) x 17.2 (H) in / 23.2 lb
Standard accessories	Shape measurement table, lens table (standard), small diameter lens table, stylus pen, cap, screw, shading cover, ferrite core, tray holding cushion, cup and pad case, LAN cable (cross), power cord
Optional accessories	External barcode scanner, USB flash drive, WECO cup holder, flexible positioning adjuster R/L, spatula, special clay, RS-232C cable

Eye & Health Care
NIDEK CO., LTD.

HEAD OFFICE [Manufacturer]
34-14 Maehama, Hiroishi-cho, Gamagori, Aichi 443-0038, JAPAN
Phone: +81-533-67-8895
Group Website www.nidek.com
Product Information www.nidek-intl.com/product/

Distributor in your country
Please contact our distributor for more information.
www.nidek-intl.com/dist/