

For Faster Process and Attractive Finish

LE-9000SX/LX EXPRESS

PATTERNLESS EDGER





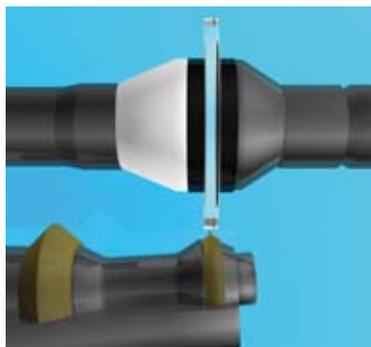
LE-9000SX / LX Express Faster Process and Attractive Finish

Why Express ?

“Express” translates to a faster lens finishing process and increased customer satisfaction for eyecare professionals, in addition to enhanced equipment abilities. The LE-9000SX/LX Express delivers fast, precise, and aesthetically pleasing results: The NIDEK EDGE.

Fully Automatic

Nidek’s newest SX 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 achieved automatically with pin-point accuracy.



New High Speed Motor

The pursuit for speed and quality never ends. With its new high speed motor, the LE-9000SX/LX Express greatly exceeds our conventional model. Furthermore, thanks to an improved internal mechanism, it can achieve beautifully finished lenses, and greater bevel control and durability.

Direct Drive Wheel Motor





LE-9000SX / LX Express Accurate & Smooth

Built-in Tracer

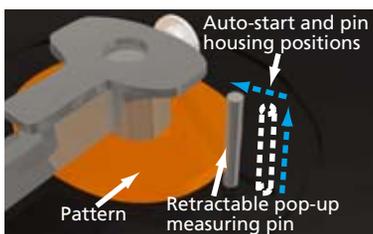
The Nidek LE-9000SX/LX Express incorporates a tracer into the main console and boasts the world's smallest footprint. With its user-friendly design, frame setting position can be easily observed during the tracing.

Fast and Precise 3D Tracing

The LE-9000SX/LX Express provides precise tracing in all three dimensions. Unlike die plates, the tracer finishes even highly curved frames with greater accuracy. Also, this new design features high speed tracing.

Patterns and Dummy Lenses

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



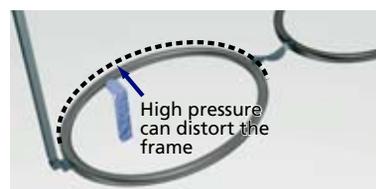
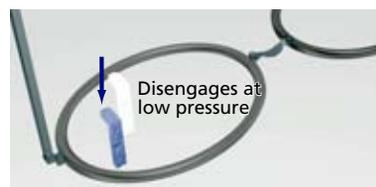
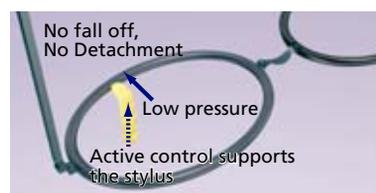
Dual Tracing System

As both sides of the lenses are traced with high accuracy, a perfect fit 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 with minimal pressure, eliminating frame distortion and disengagement.

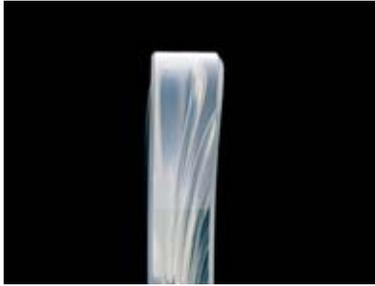
LE-9000SX/LX Express Series
(Active control)



Mirror Polish

The LE-9000SX/LX Express's "Mirror Polishing" produces mirror-like lenses.

Mirror Polish Finish



Bevel Mirror Polish



Accuracy

Rimless and half-rim lenses can be polished extremely precisely with no additional buffing time required. LE-9000 SX/LX Express PLB provides easy and accurate bevel mirror polishing.

*To ensure high performance and long life of the system, the PLB model is recommended for use only on plastic.

Increased Speed

The LE-9000SX/LX Express features high speed processing at every step of operation: frame tracing, lens measurement, calculation and edging. Operation time is reduced by more than 30%* compared to LE-9000SX/LX.

* in plastic processing

High Quality

The newly developed 3D tracing & lens measurement feature provides accurate frame and lens measurements, ultimately offering a perfect finish. 32,000 measuring points per eye ensures a precise fit.

Frame Memory

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

Flexible & Versatile

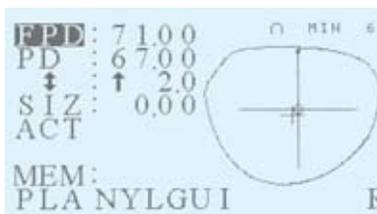
The LE-9000SX/LX Express can process any type of lens material including glass, plastic, polycarbonate, acrylic, and high index plastic lenses in order to meet your customers' needs.

LE-9000SX / LX Express Simplicity

Multi Layout

Standard Layout

Clear display of the frame and optical center at actual size.



Lens Layout

Unique layout system for multi-focal lenses.

PD Layout

Layout for distance from the 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 values and BT values) can be used.

Multi Display

Frame Changing Display

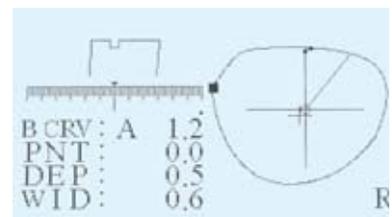
Convenient for frame replacement processing.

Bevel Simulation Display

Provides easy confirmation and control of the bevel position before processing.

Simulation Display

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



Safe and Smart

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



Also, LE-9000 SX/LX Express offers safety features to prevent processing mistakes.

Global Support

The LE-9000SX/LX Express supports eight languages: English, German, French, Italy, Greek, Spanish, Dutch, and Japanese.

Other Equipment for Integration



Hand Edger
HE-200



Intelligent Blocker
ICE-9000



Blocker
CE-1



Satellite Tracer
LT-900

LE-9000SX / LX Express Integration

Greater Efficiency

Traced data from The LE-9000 Series can be transferred via cable connection to Nidek's Intelligent Blocker ICE-9000. This eliminates the need to mark a lens with a lensmeter, and provides automatic adjustment of center and axis positions, as well as precise processing with highly accurate PD layout. With ICE-9000, LT-900, SE-9090 and PC, various lens processing systems can be easily linked to improve lab efficiency and large-scale processing.

A. Minimum Configuration



B. Medium Configuration

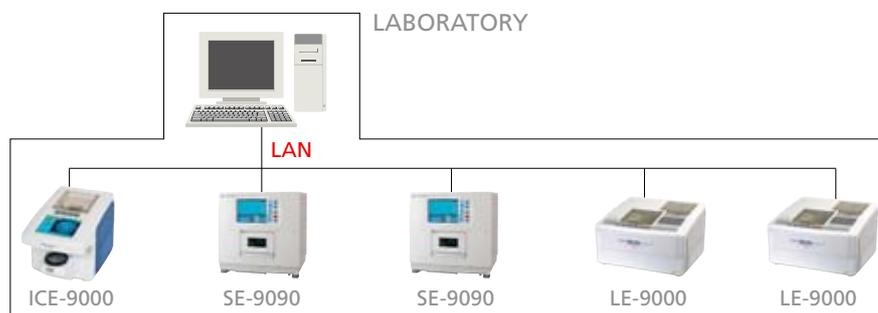


C. Lab Configuration



Optical Shop

Telephone Line



Color Variations

In addition to the standard Pearl White, the SX series is also available in Emerald Green, Aqua Blue and Ruby Red*. (optional, limited quantity)

* Green, Aqua and Red not available in US.

Pearl White (Standard)



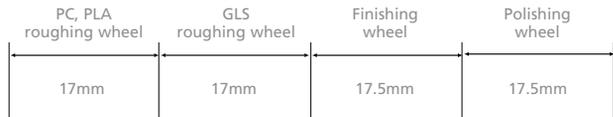
Emerald Green



Model PLB-2R

This multi-function edger provides glass lens processing in addition to all plastic lens processing.

This versatile edger is a good choice for customers with a wide range of needs.



	Bevel	Flat	Polish		Chamfering	Grooving
			Flat	Bevel		
Plastic, Acrylic, Polycarbonate	○	○	○	○	*○	*○
Glass	○	○	×	×	*○	×

*SX series only.

LE-9000SX / LX Express Superior Versatility

Aqua Blue

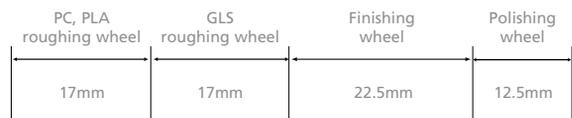


Ruby Red



Model PL4

The most popular edger; processes glass and plastic lenses



	Bevel	Flat	Polish		Chamfering	Grooving
			Flat	Bevel		
Plastic, Acrylic, Polycarbonate	○	○	○	×	*○	*○
Glass	○	○	×	×	*○	×

*SX series only.

Model PC

Standard edger without the mirror polishing function; provides chamfering and grooving of glass, plastic, acrylic and polycarbonate lenses.



	Bevel	Flat	Polish		Chamfering	Grooving
			Flat	Bevel		
Plastic, Acrylic, Polycarbonate	○	○	×	×	*○	*○
Glass	○	○	×	×	*○	×

*SX series only.

Processed Examples

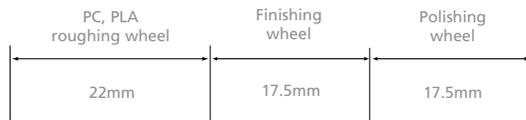
● Plastic, Acrylic, Polycarbonate



LE-9000SX / LX Express Diverse Selection

Model PLB

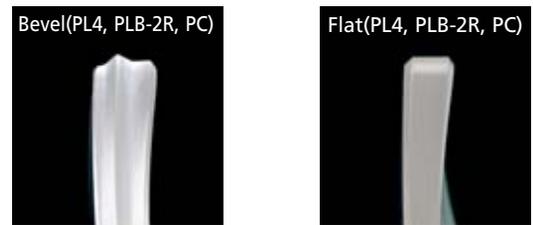
PLB is a special edger for plastic lenses; Providing all plastic lens processing, including mirror polish for flat and bevel processing.



	Bevel	Flat	Polish		Chamfering	Grooving
			Flat	Bevel		
Plastic, Acrylic, Polycarbonate	○	○	○	○	*○	*○
Glass	×	×	×	×	×	×

*SX series only.

● Glass



Model Configuration

	Built-in Tracer	No Tracer
Equipped with Chamfering & Grooving function	LE-9000SX	LE-9000EX
No Chamfering & Grooving	LE-9000LX	LE-9000DX

- In all the examples, lenses requiring chamfering of front and rear edges must be processed with SX series edgers. The LX series cannot provide chamfering.
- Only the SX series can provide grooving.

LE-9000SX/LX Express Specifications

Grinding System	Patternless
Grinding Mode	Computer-calculated Bevel
Beveling	
Auto	Computer-calculated Bevel
Guided	Manual Bevel Setting
Flat (Rimless) Edging	
Grooving	
Auto	Computer-calculated Groove Position and Curve
Guided	Manual-inputted Groove and Curve
Polishing	(Type : PL4, PLB, PLB-2R)
Chamfering	
Frame Changing	
Grinding lens	
Material	Glass, Plastic, High Index Plastic, Polycarbonate, Acrylic Resin (Except for Glass in Type PLB)
Lens Size	Dia. 90mm or Less
Layout Range	Dia. 110mm or Less
Grinding Size	
In Flat Edging	Without Safety Bevel : 28mm Dia. or More (When Half-eye Lens: Min 21mm Dia., Vertical Width 19mm) With Safety Bevel : 34mm Dia. or More (When Half-eye Lens: Min 28mm Dia., Vertical Width 25mm)
In Beveling	Without Safety Bevel : 30mm Dia. or More (When Half-eye Lens: Min 22mm Dia., Vertical Width 20mm) With Safety Bevel : 36mm Dia. or More (When Half-eye Lens: Min 29mm Dia., Vertical Width 26mm)
Tracing Method	3-D Binocular Automatic Tracing
Water Supply System	Pump Circulation or Direct Connection to Tap Water
Power Supply	AC115V / 230V, 50 / 60Hz
Power Consumption	1.5kVA (max. at grinding)
Dimensions / Weight	520 (W)X 484(D)X 330(H)mm / 42kg 20.5(W)X19.1(D)X13.0(H)" / 92.6lbs.
Standard Accessories	Double-coated Adhesive Tape, Dressing Stick for Roughing Wheel (Except for Model PLB), Dressing Stick for Fine Grinding Wheel (Except for Model PC), Half-eye Adapter, Half-eye Lens Clamp, Standard Frame, Standard Pattern, Spare Fuse (X2), Power Cord, Conversion Adapter Set for Drain Pipe Diameter, Pattern Setting Unit, Hex Driver (2.5mm), Hex Wrench (3mm, 4mm)

*Grooving & Chamfering can be performed by the LE-9000SX Express only.



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



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