



# Lens Edging

Product Guide

# Perfection of Technology

NIDEK started developing patternless edgers in 1988. Two years later, NIDEK's first patternless edger, the LE-8000, was introduced to the world. Since then, NIDEK has remained committed to the continuous pursuit of perfecting lens edging technology with multiple functions, ease-of-use, aesthetic design, and reliability.

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## Lens edger history

The history of NIDEK lens edgers began in 1988 with the launch of the pattern edger, "Profile S". Over the past 25 years, technology has been improved dramatically and many innovative lens edgers have been released. We are proud to present these magnificent products.

1990

LE-8000  
1990



LE-8080  
1992



LE-7070  
1993

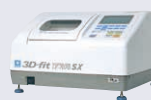


1995

SE-9090  
1995



LE-7070SX  
1997



LE-9000  
1999



2000

LE-9000 Express  
2002



SE-9090 Express  
2003



ME-1000  
2004



2005

ME-1000 DESIGN+  
2006



Lex 1000  
2007



Le 1000  
2008



2010

SE-9090 Supra  
2010



Me 1200  
2010



Le 1000 Express  
2011



Le 1000 Lite  
2011



2012

Me 900  
2012



LE-700  
2013



SE-9090 Supra L  
2013



2014

SE-1  
2014



LEX-1200  
2015



LE-1200  
2015



2018

LEXCE Trend  
2018



LE-800  
2019



ME-1500  
2020



2020



Exceeding the expectations

# Lens Edger



All NIDEK lens edgers are designed to exceed customers' expectations. From customers looking for the latest sports glasses to others seeking the minimalistic look of rimless eyewear, NIDEK lens edgers meet and exceed all of today's diverse demands.

NIDEK continually listens and responds to customers' needs, and our lens edging technology will always strive to be at the forefront of the ever-changing lens and frame designs.

# ME-1500

## Comprehensive technology to deliver expert lens edging

NIDEK's flagship model, the ME-1500, boasts comprehensive technology to deliver expert lens edging. True to its name of "multifunction edger", the expanded features such as drilling, high base curve lens processing, and design functions allow processing a wide array of frames.

NIDEK's exclusive processing mechanism results in a high percentage of one-cut fit accuracy and delivers edging like a master craftsman's work. With an ergonomic and compact design, plus a colorful LCD touch screen, it gives the operator a masterful command of all the functions.

### Automatic 3D drilling

Various hole shapes such as slots, notches, counterbored holes, and jewel holes can be performed. A maintenance message notifies the operator when drill bits need replacing.



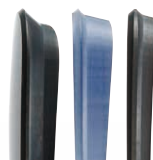
### High base curve processing

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



### Multi/mini beveling

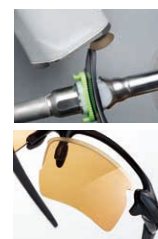
Highly customizable, asymmetrical bevel permits lenses to be perfectly fitted into various eyewires. Mini beveling is also available with a single touch of the button.



### Step beveling / partial step processing

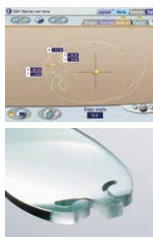
With step beveling, Rx lenses can be easily inserted into sunglass frames, which are traditionally difficult to fit. The partial step processing grinds Rx lenses for specialty-type sport frames.

Maximum lens size:  $\phi 67$  mm (type PLB-8S),  
 $\phi 72$  mm (type PLB-2R8S)



### Design cut

Bespoke lens shapes can be designed creatively by utilizing the drill bit as a milling tool.



### User friendly

The distinctive design of the ME-1500 is in the pursuit of ergonomics and ease of use. A full-scale display and jog dial offer smooth data entry. The assistant functions make workflow more efficient, even for beginners.



Intuitive 3D level simulation



# LEXCE Trend8/Trend

## Upward trend

The LEXCE Trend8 and LEXCE Trend are feature-rich, all-in-one edgers. They incorporate a high-performance drill, an intelligent blocker and a frame tracer in a compact body.

### Proven high-quality finishing

- Special wheel design for high base curve lens processing
- Multi bevel shapes to meet today's challenging eyewire frames
- Mini step bevel to grind an asymmetrical shelf-style rear bevel

Available for the LEXCE Trend8



### Intelligent blocker with integrated shape imager

Blocker is simple to operate while offering great performance. The integrated shape imager (optical tracer) can capture optical tracings, along with drill hole data.



### Precise tracing for all types of shapes

The originally designed NIDEK 3D frame tracer, now equipped with a full auto clamping mechanism, performs highly precise measurements even on high curve frames.



### Exceptional processing unit with integrated drill

The drill unit uses a 5-axis mechanism, providing a high degree of accuracy for all your drilling jobs. The processing unit that runs the drill, also performs high-quality safety beveling and grooving on any lenses.



### Selectable user interface designed for intuitive operation



Wizard mode

Professional mode

### Multiple configurations

The best option can be selected from several configurations depending on individual needs.



# LE-1200

## Delivering consistent quality

Achieving 15% faster processing compared to previous models, and equipped with an advanced tracer to accommodate a wide range of frames, the LE-1200 provides reliable quality with refreshing technology.

### Heavy-duty, durable mechanisms

Direct drive stepping motor and sintered-gear system provide a steady and reliable operation. Y-axis assembly with unique design delivers consistently high precision.

### Mini bevel

A tailored mini bevel is ideal for thin metal eyewire frames, for example, aviator-style metal frames.



### Built-in multiple-frame tracer

Multiple-frame tracer provides accurate measurement of a wide array of frames including high-wrap style.



### Grooving and safety beveling

Fully-automatic grooving and safety beveling are performed in a smooth operation with a unique "multi-disk" arm. Specially designed wheels provide highly accurate grooving and safety beveling. With the LE-1200, even high base curve lenses attain a beautiful finish.



# LE-800

## Easy to operate, all-in-one capability

The LE-800, our entry-level edger, enhances your lens edging process. Engineered with simplicity in mind, it provides reliable performance from tracing, to blocking, to finishing lenses, and even ease of maintenance.

### Built-in intelligent blocker

The built-in intelligent blocker performs accurate blocking with simple operation. Exact alignment is available with the high-resolution color touch screen and the image magnification function.



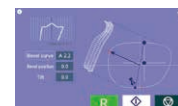
### Precise shape recognition

3D tracing data can be easily obtained without even using the tracer by simply tracing the demo lens or pattern in the processing chamber.



### Consistent, beautiful finishing

After lens shape measurement, the 3D images are displayed to simulate beveling/grooving. The data, such as groove/bevel position, can be easily edited.



### Well-organized user functions

The step-by-step processing in wizard mode assists lens edger beginners. The "next job" function allows the operator to prepare the next job during lens processing for a more efficient workflow.



### Custom-designed frame tracer (optional)

The on-board tracer confidently handles even high-wrap frames. Controlled tracing pressure assures superb accuracy.



# The ultimate lens processing Industrial Edger



NIDEK industrial lab edging systems are extremely accurate, durable, robust, and suitable for labs of all sizes. According to each lab's specific needs, various configurations are available with the SE-9090 Supra / Supra L, AHM-1000 Supra, and RHU-2200/1500/1000 robotic units.



# SE-9090 Supra / Supra L

## Reliable wet industrial edger

The SE-9090 series is a wet industrial edger which has been highly regarded in many labs throughout the world. Durable and accurate grinding results in high volume production with an aesthetically pleasing finish.



## Faster grinding with dual spindle system

The unique dual spindle system incorporates a program which automatically controls grinding pressure at seven different levels to realize a high-speed processing.

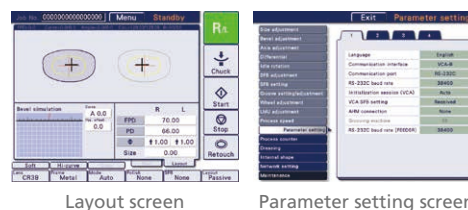


## Simultaneous dual-surface lens measurement

The SE-9090 series simultaneously measures both front and rear surfaces of the lens for speedy operation.

## User-friendly 10.4-inch SVGA color LCD touch panel

10.4-inch color LCD touch panel provides all the information needed for any procedures. The bevel simulation screen gives you the ability to precisely place the bevel for a guaranteed quality finish.



Layout screen

Parameter setting screen

## High quality automatic polish safety beveling

To produce a brilliant finish for every job, the SE-9090 series offers automatic safety beveling and polish safety beveling as standard.



Mirror polish (Flat/Bevel)

## Auto grooving\*

Fully-automatic grooving and safety beveling are available.

\*Grooving is available for the SE-9090 Supra L only when connected to the AHM-1000 Supra.



## Step beveling (Available for type PLB-8S)

Step beveling makes prescription lens mounting on sunglass frames easy, which is traditionally difficult due to uneven eyewire profiles.

Maximum lens size:  $\phi 90$  mm



## Quick size adjustment

The touch-sensor calibration function (optional) largely reduces the time for size adjustment through revolutionary technology.



# AHM-1000 Supra

## Automatic 3D drilling and grooving

The AHM-1000 Supra unit provides automatic 3D drilling and grooving for any frame styles. Combined with the RHU-1500 and SE-9090 Supra / Supra L, the AHM-1000 Supra offers automatic and continuous lens processing for labs in conveyor belt or stacker configurations.



Automatic 3D hole drilling according to the spherical surface curve of the lens

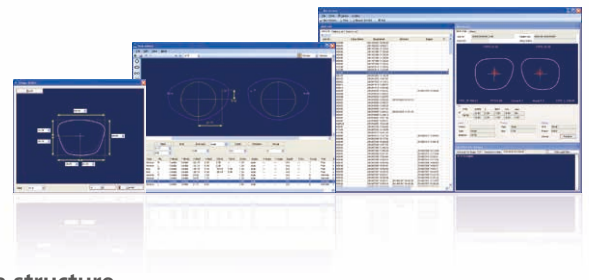


Precise grooving with tilt function for half-rimless jobs

10.4-inch LCD touch panel for easy operation

## iRx Server Server software for lab

iRx Server used in combination with NIDEK equipment creates a simple and complete package of internet remote tracing system, using only conventional internet access.



Internet remote tracing system with internet ordering system

Server function for small to medium class labs

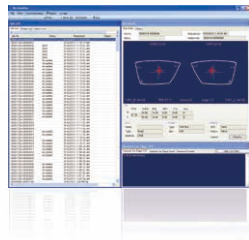
Data structure

Practical management of job and pattern

3D-fit data communication

## iRx Satellite

Connecting retail shops to labs



Internet remote tracing system with iRx Server

Server function

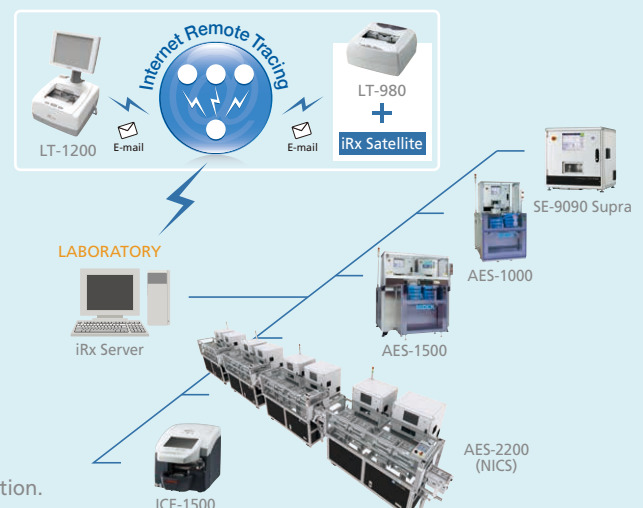
Shape edit function

Communication with the ME-1500's design mode data

## Internet remote tracing system

Internet remote tracing by NIDEK satellite tracers and lens edgers is the best solution with minimal capital investment. Our "3D-fit" technology provides high quality lens-to-frame first-time-fit, which is crucial to accurate and precise remote tracing.

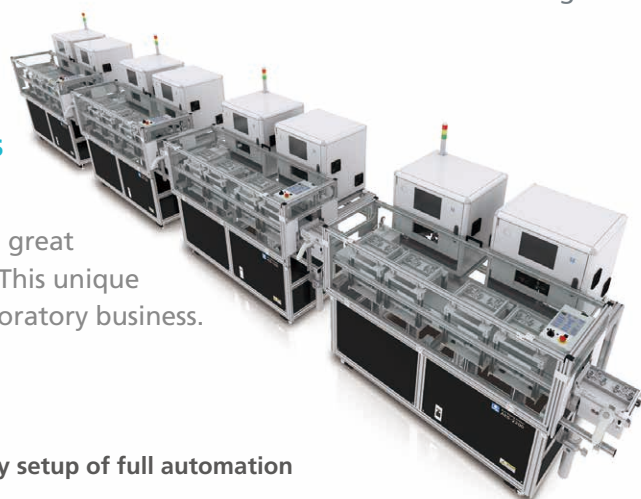
These configurations are just examples. Please contact us for further information.



# AES-2200

## Opening the new door to the next stage of lab business

The AES-2200 is NIDEK's automatic lab system combining the RHU-2200 and two units of SE-9090 Supra / Supra L. This offers a great advantage of being able to organize the innovative lab system. This unique automation system opens the new door to the next stage of laboratory business.



### High-speed processing

The NICS (NIDEK Intelligent Conveyor System) can operate over 1,600 jobs in just 14 hours\*.

\*when connecting four units of AES-2200

### Double arm mechanism

The remarkable double arm mechanism improves lens setting ability dramatically and provides high-speed performance.



### Easy setup of full automation

The NICS can be run in a closed loop or linked to the lab management software. Complicated server configuration and peripheral equipment are unnecessary. Lower initial cost contributes to upgrading investment value and maximizing the effectiveness of laboratory space.

# AES-1500

## High efficiency industrial robotic system, a winning combination

The AES-1500 system is available with two different robotic handling units: stacker configuration (RHU-1500S) or conveyor belt configuration (RHU-1500CB). The optimal combination of the SE-9090 Supra / Supra L's proven technology, the AHM-1000 Supra's 3D drilling and grooving, and the RHU-1500's automated lens handling results in a reliable and efficient solution for lab business needs.

### Great adaptability for any edging laboratories

Two different configurations of the AES-1500 provide highly productive and efficient workflow for automated and continuous lens processing for any type of labs. The systems offer flexibility and can fit various floor plans and production areas.



### Auto grooving

### Step bevel processing

Available for the SE-9090 Supra PLB-8S

### Small footprint

# AES-1000

## Combination system of SE-9090 series and RHU-1000

Available with the SE-9090 series, the AES-1000 systems are offered with the RHU-1000 series, in a stacker configuration or a conveyor belt configuration.

### High-speed conveyance

The RHU-1000 series Robotic Handling Unit offers automatic lens conveyance to assist automation of lens processing in industrial labs.

### High base curve lens processing

### Easy operation and maintenance



# Peripherals

Making a difference



NIDEK peripheral equipment is designed to be environmentally friendly, yet renders the lens process comfortable and convenient for the operator. With NIDEK peripheral equipment, operators can positively impact both the environment and their labs.





# LT-1200

## Confidently performs around all curves

The LT-1200 incorporates an advanced state-of-the-art tracing mechanism that operates in a true 3D precision context with various frames regardless of the degree of curvature.

### Automatic 3D binocular tracing

A variable fulcrum stylus keeps the axis angle perpendicular to the frame at any height and the unique 3D mechanism digitizes a binocular measurement of 1,000 points of reference per eye.



### Composite tracing

Composite tracing measures the FPD/DBL and frame wrap angle along with the frame shape to calculate all frame data automatically.



### LCD color touch screen

The large 10.4-inch color LCD screen allows easy job data input.



### Multifunction industrial and web tracer

As an industrial tracer, processing conditions and layout data can be easily transmitted to any server computer and/or lens edger. The LT-1200 can also be used as a web tracer without a computer.



### Advanced shape editor function

The LT-1200 has a unique shape editing function inclusive of height ("b") and width ("a") dimensional adjustments via a simple +/- touch screen input, or select easy shape modification for finite design when needed.



### Built-in accessory storage space

The LT-980 has a convenient built-in ergonomic storage compartment for storing accessories safely.



# LT-980

## Vital performance for accurate lens fit

Tracing is the essential foundation for well-constructed eyeglasses. The advanced technology of the LT-980 delivers the brilliant fit and finish of eyewear.

### Automatic 3D binocular tracing

A variable fulcrum stylus keeps the axis angle perpendicular to the frame at any height and the unique 3D mechanism digitizes a binocular measurement of 1,000 points of reference per eye.



### Multifunction industrial and web tracer

As an industrial tracer, the LT-980 can be connected to any server computer and/or lens edger to send full frame trace data. In addition, it can be used as a web tracer with the use of iRx Satellite.



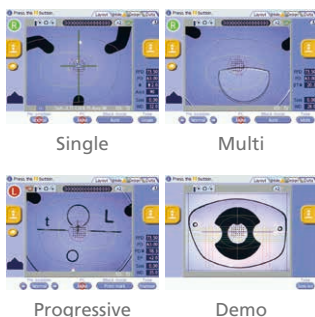
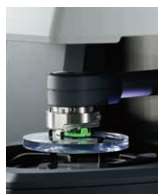
# ICE-1500

## Born from the pursuit of precision - A masterpiece in blocking

NIDEK proudly introduces the ICE-1500, an elite intelligent blocker. Precise blocking is the foundation for all lens processing. Perfectly manufactured eyewear results in enhanced customer satisfaction. The ICE-1500 plays an important role in lens edging. Working behind the scenes, it ultimately provides support for an excellent lens finish.

### Automatic lens measurement and blocking

The ALM (Automatic Lens Measurement) function allows the operator to block a single vision lens without marking it up. Four measurement methods are available and can be selected depending on lens type. The ICE-1500 incorporates exceptional ingenuity, which makes quick and accurate automatic blocking possible.



Single

Multi

Progressive

Demo

### Easy-design functionality with a stylus pen

Special functions such as design cut, facet, and partial step can be easily created with the touch of the stylus pen. Each screen can be magnified for easy viewing of the lens shape being created.



Step / partial step editor

### High-wrap curve frame tracer



The variable fulcrum-stylus mechanism provides accurate measurement of a wide array of frames including high-wrap style.

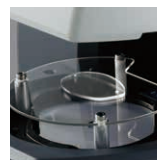
### Lens clamp with multifunction mechanism

The flexible lens clamp design stabilizes the lens surface with optimal pressure for parallax-free blocking.



### Shape imager measurement

The shape imager function provides precise digitization of lens shape and hole detection for rimless frames. In addition, measurements of partial step and design cut features are available.



### High resolution, multicolor LCD touch panel

The 8.4-inch multicolor display shows lens shape and layout information in actual size.

Functions are represented with easy-to-understand icons for simple operation.



# ICE-1

## Multifunctional blocker, with the pursuit of user-friendliness

The ICE-1 is an easy-to-use intelligent blocker with consistent accuracy and stability in blocking. As developed with an emphasis on usability for anyone, from beginners to advanced, this instrument offers operators a remarkably comfortable experience.

### Sensible mechanical design

The sensible mechanical design allows the operator to confirm lens shape and data images simultaneously. The storage space for accessories is designed to enable easy storage and accessibility.

### One-touch blocking



A single finger is all that is required for the ICE-1 blocking. The blocking motion is accurate, quick, and comfortable without needing extra pressure or effort.

### Flexible lens stage (optional)



The flexible lens stage oscillates, keeping the front base curve of the lens at the optimal horizontal position. The stabilized lens position reduces the gap and prevents sliding or movement of the lens.



### Hole & design edit function



Hole editor

### Shape imager function



Hole

Design cut

Partial step



# CE-9

## Feel the difference

The CE-9 is a maintenance-free, electric power saving centering device. It is compact and has an attractive, ergonomic design.

### Long-life LED

Long-life LED eliminates the need to change a light bulb and reduces energy consumption.

### Light control for optimum visibility

The brightness of the LED is adjustable.

### Compact and stylish design

# Lfu 220

## Environmentally friendly

Environmental issues continue to be a concern in all sectors. With NIDEK's own leading technology "Hybrid System" which separates water and the processing waste, water consumption is drastically reduced in a compact design.

### Hybrid System

The Lfu 220 features NIDEK's original "Hybrid System", combined with centrifugal and filtration methods. The unit is highly instrumental in eliminating lens "Hair Lines" and scratching, clearly of more and more importance given the increasing cost of today's complex lenses. By keeping the lens edger processing chamber clean, it essentially extends the life of the edger.

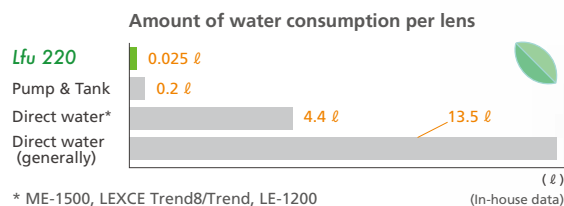
### Easy and comfortable disposal of processing waste

Disposing the processing waste is very easy work by just replacing an internal plastic bucket.



### Water conservation

Using centrifugal filtration technology, the unit drastically decreases water consumption in the shop/lab. The Lfu 220 is also designed to cost-effectively eliminate disposed lens grinding sludge, commonly seen with direct water cooling systems, which can potentially contaminate sewage systems.



# LED-200 Plus

## More pleasant environment

The LED-200 Plus vacuums the air out of the lens edger chamber and absorbs the source of the odor with the built-in deodorizer and creates a better processing environment.

### Slim and compact design

The LED-200 Plus is slim and compact. It can be stored in an optional table for NIDEK lens edgers.

### Power saving function to automatically start and stop with lens edger operation

The LED-200 Plus automatically starts and stops simultaneously with a lens edger and streamlines lens edging operation flow.

### High-performance deodorization

Hydrogen sulfide, which causes unpleasant odors, is deodorized efficiently by using high performance achieved carbon.



# Specifications

Tracers	LT-1200	LT-980
Measurement range		
Frame	Shape width: 36 to 85 mm Shape height: 18.4 to 66 mm Frame horizontal width: 113 to 180 mm Maximum height from clamp midpoint: 23 mm Maximum frame vertical width: 50 mm at the maximum height Maximum frame horizontal width: 150 mm at the maximum height	←
Pattern	ø22 to 74 mm (15.5 to 66 mm vertically)	
Measuring points	1,000 points	←
Power supply	100 to 120 V AC / 230 V AC 50/60 Hz	←
Power consumption	70 VA	←
Dimensions (W x D x H)	320 x 320 x 480 mm 12.6 x 12.6 x 18.9"	315 x 300 x 155 mm 12.4 x 11.8 x 6.1"
Mass	14 kg 31 lbs.	7 kg 15 lbs.

●: Standard / ○: Optional

Blockers	ICE-1500		ICE-1	CE-9
		NT		
Built-in tracer	●			
Auto lens measurement	●	●		
Auto lens clamp	●	●		
Manual lens clamp			●	
Flexible lens clamp			○	
Auto lens block	●	●		
Manual lens block			●	●
Integrated shape imager (ISI)	●	●	●	
LCD color touch screen	●	●	●	
Tiltable LCD color touch screen			●	
Hole editor	●	●	●	
Step / partial step editor	●	●	●	
Shape editor	●	●	●	
Design cut editor	●	●	●	
Partial groove/bevel editor	●	●	●	
Facet editor	●	●	●	
Rx data manager	●	●	●	
Rx data memory	●	●	●	
Information bar	●	●	●	
LED source	●	●	●	●
Manual light control	●	●	●	●
Barcode scanner	○	○	○	
Built-in barcode scanner	○	○		
USB memory port	●	●	●	
LAN port	●	●	●	
RS-232C port	●	●	●	
Mini cup correspondence	●	●	●	●
Nano cup correspondence	●	●	●	●
Color-coded lens identification	●	●	●	
Power supply	100 to 240 V AC 50/60 Hz		←	←
Power consumption	110 VA	90 VA	60 VA	2.5 W
Dimensions (W x D x H)	325 x 510 x 345 mm 12.8 x 20.1 x 13.6"		225 x 411 x 439 mm 8.9 x 16.2 x 17.3"	113 x 155 x 214 mm 4.4 x 6.1 x 8.4"
Mass	21 kg 46 lbs.	17 kg 37 lbs.	7.5 kg 16.5 lbs.	1.7 kg 3.8 lbs.

## Lens edgers

		●: Standard / ○: Optional		ME-1500	LEXCE Trend8	LEXCE Trend
Function	Blocking				○	○
	Shape imager function				○	○
	3D frame tracing				○ External	○ External
	Grooving	● 3D, Partial			● Basic	● Basic
	Safety beveling	● Basic, Special, Polish			● Basic	● Basic
	Beveling	● Basic, Partial, Mini, Custom			● Basic, Mini, Custom	● Basic, Mini
	3D drilling	● Auto			○ Auto	○ Auto
	High base curve lens processing	●			●	
	Step lens processing	● Basic, Partial			● Mini	
	Design cut	●				
	Facet	●				
	Soft grinding mode	● Full Estimate			● Full Estimate	● Full Estimate
	Shape editor	● Advanced			● Basic	● Basic
	Lens measurement	● Dual			●	●
	RMU measurement	●			● Simple	● Simple
Utilities	Auto grinding chamber door	●			●	●
	Port	● LAN, USB, RS-232C			● LAN, USB, RS-232C	● LAN, USB, RS-232C
	Barcode scanner	○ Built-in, External			○ Built-in, External	○ Built-in, External
Operation	Screen	● LCD color touch			● LCD color touch	● LCD color touch
	"Next step" wizard operation				●	●
	Processing time indicator	●				
	Voice indicator	●				
	3D simulation	●			●	●
Cup set	Color-coded lens identification	●			●	●
	Pliable cup	●			●	●
	Half-eye lens cup					
	Mini cup	○			○	○
	Nano cup	○			○	○
	Spindle motor	600 W DC brushless			←	←
	Power supply	100 to 120 V AC / 230 V AC 50/60 Hz			100 to 120 V AC / 240 V AC 50/60 Hz	←
	Power consumption	1.5 kVA			1.3 kVA	←
	Dimensions (W x D x H)	600 x 496 x 355 mm 23.6 x 19.5 x 14.0"			545 x 530 x 460 mm*3 21.5 x 20.9 x 18.1"	←
	Mass	52 kg 115 lbs.			40 kg*3 88.2 lbs.	←
Minimum grinding size with pliable cup (standard)*4 W x H	Flat edging	ø32.0 x 19.5 mm			ø32.0 x 19.0 mm	←
	Bevel edging	ø33.0 x 21.0 mm			ø33.0 x 20.6 mm	←
	Safety beveling (flat)	ø34.5 x 21.5 mm			ø35.0 x 22.0 mm	←
	Safety beveling (bevel)	ø35.5 x 22.5 mm			ø36.6 x 23.6 mm	←
	High base curve beveling	ø39.0 x 26.0 mm			ø37.8 x 24.8 mm	
	High base curve step beveling	ø39.0 x 26.0 mm				
	Grooving	ø32.0 x 19.5 mm			ø32.0 x 19.0 mm	←
Minimum grinding size with mini cup (optional) W x H	Flat edging	ø22.0 x 17.4 mm			←	←
	Bevel edging	ø23.0 x 18.4 mm			←	←
	Safety beveling (flat)	ø24.5 x 19.9 mm			ø25.0 x 20.3 mm	←
	Safety beveling (bevel)	ø25.5 x 20.9 mm			ø26.6 x 21.9 mm	←
	High base curve beveling	ø29.0 x 24.4 mm			ø27.8 x 23.2 mm	
	High base curve step beveling	ø29.0 x 24.4 mm				
	Grooving	ø22.0 x 17.4 mm			←	←
Minimum grinding size with nano cup (optional) W x H	Flat edging	ø20.0 x 15.5 mm			←	←
	Bevel edging	ø21.0 x 16.5 mm			←	←
	Safety beveling (flat)	ø23.0 x 18.5 mm			←	←
	Safety beveling (bevel)	ø24.0 x 19.5 mm			ø24.6 x 20.1 mm	←
	High base curve beveling	ø27.0 x 22.5 mm			ø25.8 x 21.3 mm	
	High base curve step beveling	ø27.0 x 22.5 mm				
	Grooving	ø20.0 x 15.5 mm			←	←

## Wheel configuration

	ME-1500		LEXCE Trend8	LEXCE Trend	LE-1200				LE-800	SE-9090 Supra		
	PLB-8S	PLB-2R8S	PLB-2R8	PLB-2R	PC	PL-4	PLB	PLB-2R	PLB-2R	PLA	PLB	PLB-8S
Plastic bevel	●	●	●	●	●	●	●	●	●	●	●	●
Plastic bevel polish	●	●	●	●			●	●	●		●	●
Plastic flat	●	●	●	●	●	●	●	●	●	●	●	●
Plastic flat polish	●	●	●	●		●	●	●	●		●	●
Glass bevel		●	●	●	●	●		●	●			
Glass flat		●	●	●	●	●		●	●			
Plastic high base curve bevel	●	●	●									●
Step bevel	●	●										●

\*1 Available for the type PLB-8S \*2 Available for the type PLB-8 \*3 For blocker and tracer equipped type \*4 The standard cup for the LE-800 is half-eye lens cup. \*5 For the drill-equipped model



LE-1200		LE-800	SE-9090 Supra	SE-9090 Supra L
S	L			
		●		
○ Built-in	○ Built-in	○ External		
● Basic		● Basic	● Basic / ○ 3D (AHM-1000 Supra)	○ 3D (AHM-1000 Supra)
● Basic		○ Basic	● Basic, Special, Polish	● Basic, Special, Polish
● Basic, Mini	● Basic, Mini	● Basic	● Basic	● Basic
			○ Auto (AHM-1000 Supra)	○ Auto (AHM-1000 Supra)
			● *1	● *2
			● *1	
			○ Auto (AHM-1000 Supra)	○ Auto (AHM-1000 Supra)
● Basic	● Basic	● Peeling	● Peeling	● Peeling
● Simple	● Simple	● Basic		
●	●	●	● Dual	● Dual
		● Simple		
			●	●
● RS-232C	● RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C
○ External	○ External	○ External	○ External	○ External
● B&W	● B&W	● LCD color touch	● LCD color touch	● LCD color touch
		●		
		●		
●	●	●	●	●
●	●	○	●	●
		●		
○	○	○	○	○
400 W DC brushless	←	←	600 W DC brushless	←
100 to 120 V AC / 230 V AC	←	←	200 to 250 V AC	←
50/60 Hz			50/60 Hz	
←	←	1.0 kVA (100 to 120 V AC), 1.3 kVA (230 V AC)	2.5 kVA	←
528 x 493 x 345 mm 20.8 x 19.4 x 13.6"	←	543 x 490 x 345 mm 21.4 x 19.3 x 13.6"	600 x 517 x 611 mm 23.6 x 20.4 x 24.1"	←
41 kg / NT: 37 kg 90 lbs. / NT: 81 lbs.	←	33 kg 73 lbs.	118 kg 260 lbs.	←
ø32.0 x 19.5 mm	←	ø22.0 x 19.0 mm	ø32.0 x 19.0 mm	←
ø33.0 x 21.0 mm	←	ø23.0 x 20.0 mm	ø33.6 x 20.6 mm	←
ø34.5 x 21.5 mm	←	ø27.6 x 24.6 mm (optional)	ø34.0 x 21.0 mm (PLB-8S: ø36.0 x 23.0 mm)	ø34.0 x 21.0 mm (PLB-8: ø36.0 x 23.0 mm)
ø35.5 x 22.5 mm		ø30.2 x 27.2 mm (optional)	ø35.6 x 22.6 mm (PLB-8S: ø37.6 x 24.6 mm)	ø35.6 x 22.6 mm (PLB-8: ø37.6 x 24.6 mm)
			ø37.9 x 24.4 mm*1	ø37.9 x 24.4 mm*2
			ø37.9 x 24.4 mm*1	
ø32.0 x 19.5 mm		ø22.0 x 19.0 mm	ø32.0 x 19.0 mm (PLB-8S: ø32.0 x 20.0 mm)	ø32.0 x 19.0 mm (PLB-8: ø32.0 x 20.0 mm)
←	←	←	←	←
←	←	←	ø23.6 x 19.0 mm	←
ø24.5 x 19.9 mm	←	ø27.6 x 23.0 mm (optional)	ø24.0 x 19.4 mm (PLB-8S: ø26.0 x 21.4 mm)	ø24.0 x 19.4 mm (PLB-8: ø26.0 x 21.4 mm)
ø25.5 x 20.9 mm		ø30.2 x 25.6 mm (optional)	ø25.6 x 21.0 mm (PLB-8S: ø27.6 x 23.0 mm)	ø25.6 x 21.0 mm (PLB-8: ø27.6 x 23.0 mm)
			ø27.9 x 22.8 mm*1	ø27.9 x 22.8 mm*2
			ø27.9 x 23.9 mm*1	
←		ø22.0 x 17.4 mm	ø22.0 x 18.0 mm (PLB-8S: ø22.0 x 20.0 mm)	ø22.0 x 18.0 mm (PLB-8: ø22.0 x 20.0 mm)

SE-9090 Supra L			
PLA	PLB	PLB-8	GLS
●	●	●	
	●	●	
●	●	●	
	●	●	
			●
			●
		●	

## Drill configuration

	ME-1500	LEXCE Trend8/Trend*5
Hole diameter	ø0.80 to 10.00 mm (0.01 increments)	←
Hole depth	6 mm or less	←
Range for hole milling	ø33 to 70 mm from lens rotation axis	ø34.0 to 68.5 mm from lens rotation axis
Direction for hole milling	Automatic/manual tilting 0 to 30°	Automatic/manual tilting 0 to 18°
Slotted hole width	ø0.80 to 10.00 mm (0.01 increments)	←
Slotted hole depth	6 mm or less	←
Slotted hole length	20 mm or less	←

Specifications and design are subject to change without notice.



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