NIDEK

Lens Edging

Product Guide

THE ART OF EYE CARE

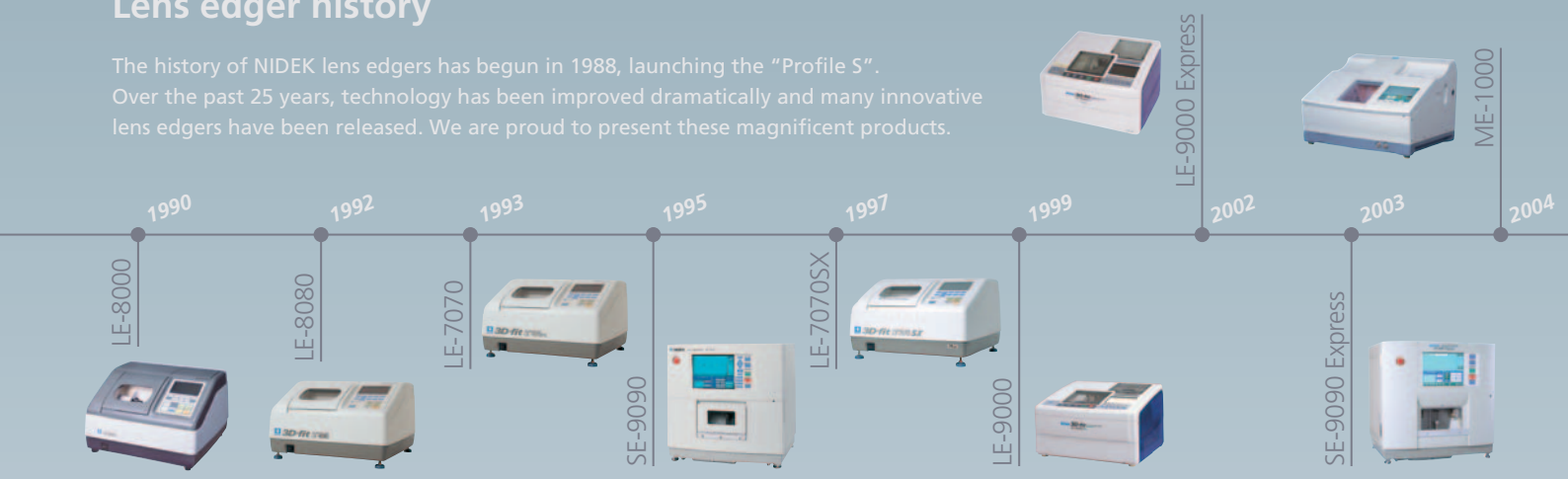
Perfection of technology

Retail

Lab

Lens edger history

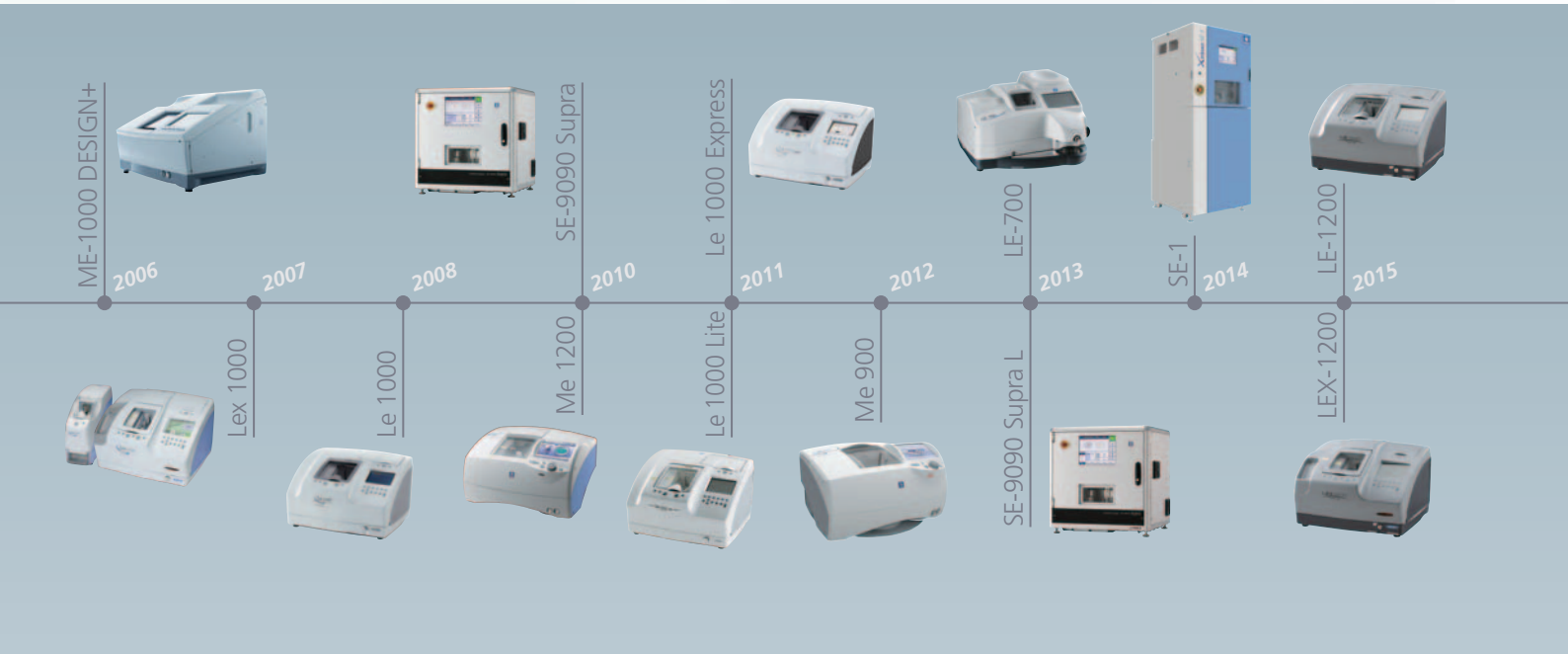
The history of NIDEK lens edgers has begun in 1988, launching the "Profile S".
Over the past 25 years, technology has been improved dramatically and many innovative lens edgers have been released. We are proud to present these magnificent products.



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.

Peripherals

Specifications



Retail

Exceeding the expectations

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 1200

The future of edging is here

The Me 1200, the highest end model of NIDEK lens edger, 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 the world's first automatic 3-D drilling and design mode.

Automatic 3-D drilling

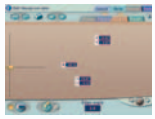
3-D drilling function enables the operator to create various hole shapes such as slots, notches, counterbored holes and jewel holes. The hole data input can be easily set with a stylus pen on the touch screen which indicates the actual hole size. The hole shape selection is made by simply choosing one of the illustrated icons.

Design mode

The Me 1200 has all of the state-of-the-art design functions.


Advanced shape editor


Partial grooving


Design cut


Facet

Step bevel / Partial step edging (Type for PLB-8S and PLB-2R8S)

With step bevel and partial step edging, Rx lenses can be easily mounted into a sunglass frames which are traditionally difficult to mount due to uneven eyewear profile.

High base curve lens processing (Not available for type PLB-G)

NIDEK's unique front and rear independent grinding function offers a high base curve bevel with flawless results.


First it grinds the front side of the bevel.


Then, it grinds the back side of bevel.

Me 900

Handy multifunction edger

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

Automatic 3-D drilling and 3-D grooving

High quality safety bevel with newly structured machinery

Satisfying data management function

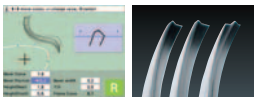
LEX-1200

Perfection at every curve

The LEX-1200 is equipped with a multiple-frame tracer, that accurately reads any shape at every curve. Versatile edging options are offered via unique specialty-shaped wheels and newly designed software.

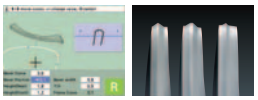
High base curve lens processing

Special wheel design, in conjunction with patented software, provides a wide variety of lens edging to fit various frame shapes and styles.
(The software is patented in limited countries.)



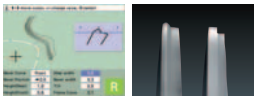
Multi bevel function

A multitude of highly-customizable bevel shapes are available to meet today's challenging frame eyewires.



Mini step beveling function

Highly specialized step bevel function is able to grind an asymmetrical shelf-style rear bevel with excellent lens-to-frame fit for those "non-Rx-able" eyewear.



Soft grinding mode

A gentler processing mode keeps hydrophobic coated lenses perfectly on axis.

New multiple-frame tracer

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

Lex Drill

High quality drilling

The Lex Drill can easily process challenging drilling such as twin holes, rectangular holes, notches, jewel holes, and counterbored holes automatically.

"Side car" automatic drilling unit

The add-on "side car" Lex Drill can be seamlessly placed next to the LEX-1200 and provides automatic drilling of various hole types. This drilling unit performs complex drilling jobs automatically with a single touch of the button.

Adjustable hole angle

Holes are drilled 90 degrees perpendicular to the front based curve of the lens automatically. Custom angling can be adjusted from 0 to 30 degrees.

Slim design

The Lex Drill has a compact body with a width of 145 mm and a depth of 477 mm. Its slim, compact shape makes it an easy fit for any lab size.

Easy cleaning

The Lex Drill collects processing wastes in its dust bin which is easily emptied when it is full.
(Please follow local regulations for disposal.)

LE-1200

A new standard is born

Achieving 15% faster processing compared to conventional models, and equipped with a new tracer to accommodate a wide range of frames, the LE series is now reborn with new and refreshing technology in a gray color body.

Shorter cycle time

The LE-1200 offers faster grinding capabilities. Short cycle time and high luster finish are the result of the latest design improvements.

Mini bevel

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

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.

New multiple-frame tracer

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

LE-700

Compact edging station, powerful edging solution

The LE-700 is not just an edger-it's the Edging Station, featuring an integrated intelligent blocker and a demo lens / pattern tracer.

Simple built-in intelligent blocker

With a high-resolution, color touch display, accurate blocking can be achieved consistently. The Shape Editor function allows the operator to create the ideal lens shape.

"Tracer-free" tracing technology

The combination of newly redesigned Radius Measuring Unit (RMU) and Lens Measuring Unit (LMU) traces demo lenses and patterns. In addition to tracing the demo lens for shape and size accuracy, the front curve is measured to obtain 3-D tracing data and perform 3-D edging.

Operator-oriented usability

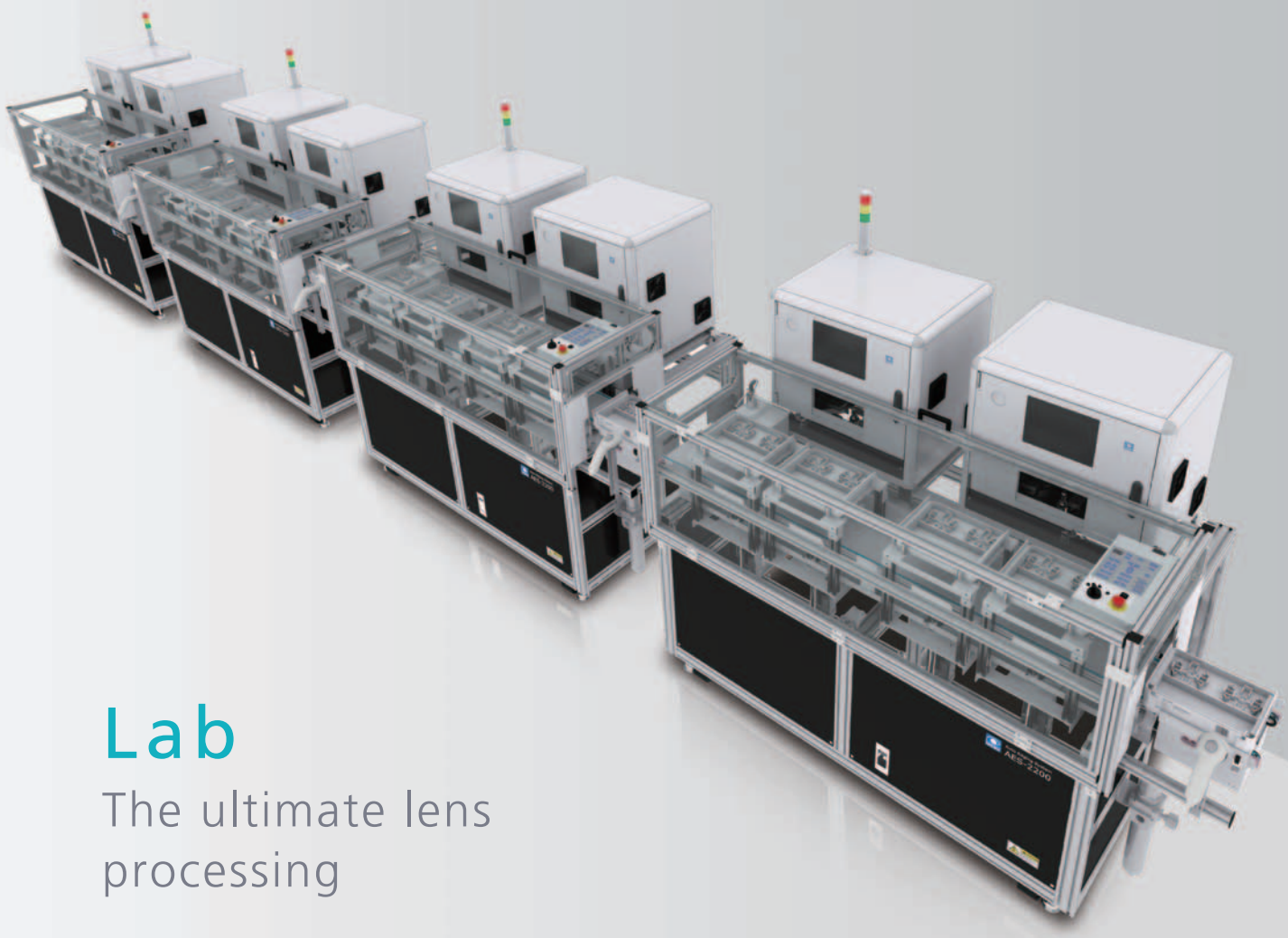
Easy operation is available with the universal design icons on the color touch screen and the "next step" wizard operation, which leads the operator step-by-step through the entire process.

Optional equipment

The newly designed frame tracer and the SFB unit are available as option.

New design grooving unit

The newly designed grooving unit processes with high accuracy.



Lab

The ultimate lens processing

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 Xtrimer SE-1, SE-9090 Supra / Supra L, AHM-1000 Supra, and RHU-2200 / 1500 / 1000 robotic units.

Xtrimer SE-1

"V" design processing technology

The Xtrimer SE-1's revolutionary design provides state-of-the-art processing with its all-new "V tool head" assemblies which introduce an entirely new and more efficient method of dry-cutting and milling, addressing the growing complexities of today's frame shapes and lens materials.

Astonishing speed and "3D-fit"

The 5-axis engineering design, combined with a specialized high-speed motor, maximizes throughput efficiency. Our true "3D-fit" technology is complemented by a new interlocking mechanical cutting method which vastly increases the first-time-fit ratio.

Multiple-shape capability

Incorporating six individual processing tools, the Xtrimer SE-1 expedites the roughing process on all organic lens materials, including Trivex and Polycarbonate. The unit completes the 3-D cutting cycle and is capable of making "tiltable bevel profiles" (inclined bevels) and drilling a multitude of difficult shapes, all while providing an uncompromised finished lens.

Easy operability for various situations

Combining NIDEK original, intuitive, eye-friendly icons with the anytime, anywhere usability of the tablet, the iRx Editor offers simplistic operation at your finger tips.

Intuitive screen design and high resolution graphics

Job data and grinding condition settings are displayed in high-resolution graphics on the large, color LCD touch screen for easy job verification. Designed to be extremely user-friendly, the Xtrimer SE-1 allows the operator to achieve accurate, reliable, and flexible performance with the simple touch of the screen.

SE-9090 Supra / Supra L

Advanced industrial edger

NIDEK has technologically advanced lens edger system series for high volume production labs. These innovative systems have a proven track record as reported by many of the top labs throughout the world. At the core of these systems is the SE-9090 series, which boasts NIDEK's spectacular technology.

Faster grinding with dual spindle system

The unique dual spindle system of the SE-9090 series incorporates a program which automatically controls grinding pressure at seven different levels.

Simultaneous dual-side lens measurement

The SE-9090 Supra simultaneously measures both front and rear sides of the lens for faster operation.

High quality automatic polish safety beveling

The SE-9090 Supra offers automatic safety beveling and polish safety beveling, paying the utmost attention to the beautiful finish as a standard feature.

Auto grooving (SE-9090 Supra only)

User-friendly 10.4-inch SAGA color LCD touch panel

The large 10.4-inch SAGA color LCD touch panel provides all the information needed for any procedures. Bevel simulations can be observed, assuring a satisfying finish.

AHM-1000 Supra

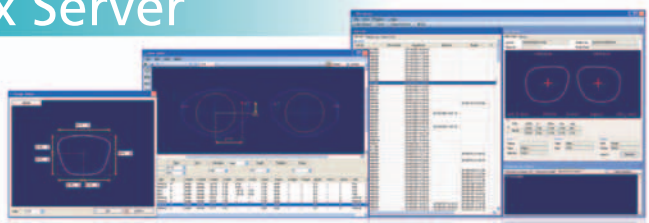
Automatic 3-D drilling and grooving

The AHM-1000 Supra unit provides automatic 3-D drilling and 3-D 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 3-D hole drilling according to the spherical surface curve of the lens

- Remarkable grooving with tilt function for rimless jobs
- 10.4-inch LCD touch panel for easy operation

iRx Server



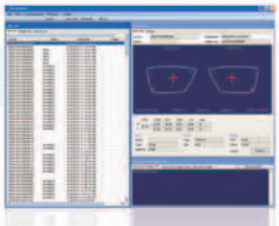
- Practical management of job and pattern
- 3-D fit data communication

Server software for lab

The iRx Server along with the use of NIDEK equipment creates a simple and complete package of internet remote tracing system, using only traditional internet access.

- Internet remote tracing system with Internet ordering system
- Server function for small to medium class labs
- Data structure

iRx Satellite



- Communication with the Me 1200's or Me 900's design mode data

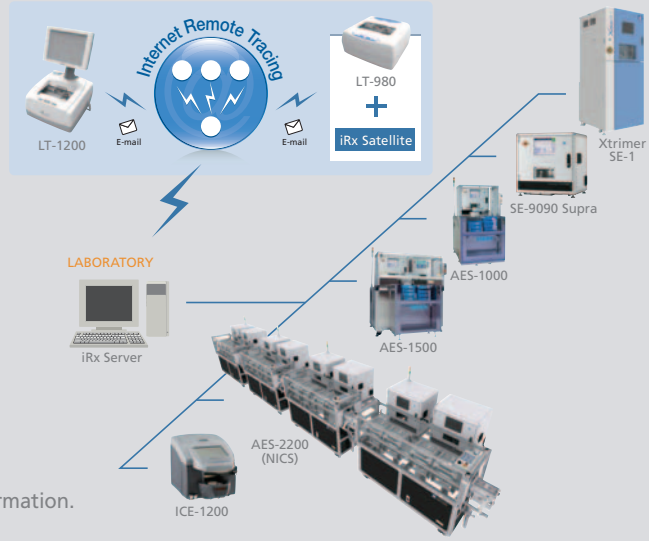
Connecting retail shops to labs

- Internet remote tracing system with iRx Server
- Server function
- Shape edit function

Internet remote tracing system

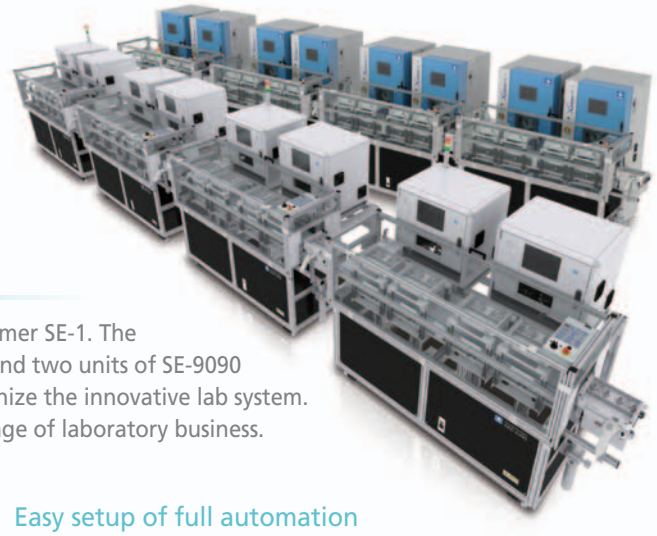
Internet remote tracing system

NIDEK's internet remote tracing is the real solution, without the need for an installed dedicated server. NIDEK's tracers and lens edgers by 3D-fit technology provide high quality "first-time fit" lens-to-frame which is crucial to accurate and precise remote tracing.



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

ADS-2200 / AES-2200



Opening the new door to the next stage of lab business

The ADS-2200 is combining the RHU-2200D and two units of the Xtrimer SE-1. The AES-2200 is NIDEK's automatic lab system combining the RHU-2200 and two units of SE-9090 Supra / Supra L. These offer a great advantage of being able to organize the innovative lab system. These unique automation systems open 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

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

Easy setup of full automation

The NICS (NIDEK Intelligent Conveyor System) 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 a 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 3-D 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 (SE-9090 Supra PLB-8S only)

Small footprint

ADS-1000 / AES-1000

Combination system of SE-1 / SE-9090 series and RHU-1000D / RHU-1000

Available with the Xtrimer SE-1 / SE-9090 series, the ADS-1000 / 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

High speed conveyance

Peripherals

Making a difference

Everyday, there are choices to be made and certainly these choices can have a positive or negative impact on the environment.

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 and newly engineered tracing mechanism that operates in a true 3-D precision context with all frames regardless of the degree of curvature.

Automatic dual 3-D tracing with variable fulcrum stylus

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

Composite tracing

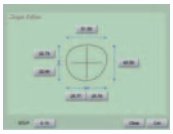
Composite tracing measures the FPD/DBL and frame wrap angle, along with the frame shape. Thus, calculating all frame measurements automatically.

LCD color touch screen

The LT-1200 offers a large 10.4 inch color LCD screen for ease of job data input.

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.



Multi-function lab tracer and web tracer

As a lab tracer, grinding condition and layout data can be easily transmitted to any server PC and / or lens edger. The LT-1200 can be also used as a web tracer without the need for a PC.

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 ultimate fit and finish of eyewear.

Automatic dual 3-D tracing with variable fulcrum stylus

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

Multi-function lab tracer and web tracer

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

Built-in accessory storage space

The LT-980 has a convenient built-in storage compartment that is ergonomic for safe-keeping and storing of all additional accessories.

ICE-1200

Multicolor LCD touch panel with high resolution

8.4-inch multicolor display shows lens shape and layout information in real scale. Functions are represented with simple icons for intuitive operation.

Advanced technology with proven, reliable results

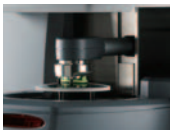
Stable and accurate blocking. Intuitive screen for easy operation and spot-on results. External memory for easy data management. With assuredness, accuracy, high speed and simple operation, the ICE-1200 provides stable and reliable job processing.

Automatic lens measurement and blocking

Four measurement methods can be selected depending on lens type. Simple lens stage supports smooth blocking operation.

Lens clamping with new mechanism

Newly designed lens clamp pins secure lens with optimal pressure and enable stable blocking.



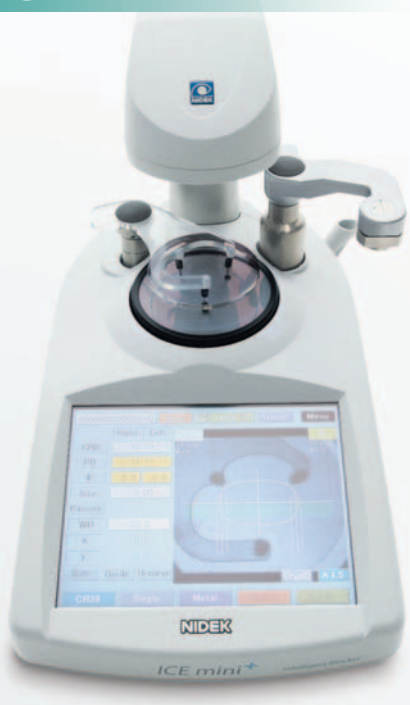
New multiple-frame tracer

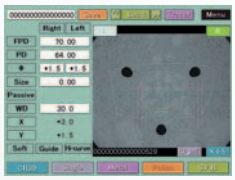
New tracer provides accurate measurement of a wide array of frames including high-wrap style.

Shape Imager measurement capture

In addition to auto measurement of lens shape and hole position, measurement of partial step lens is also possible.

ICE mini+





One step ahead

The ICE mini+ receives praise for its simple, fast, and improved accurate blocking. It provides the ideal solution for complicated decentering calculation, lens drawing, and axis shift when blocking.

Quick and easy blocking

Operation only with three manual steps provides quick and easy blocking. First, place the marked lens on the table. Second, input all data on the LCD touch panel. Finally, block with the blocking arm.

User-friendly LCD touch screen

The 8.4-inch color touch panel offers easy operation. Traced actual outline and finished outline are simultaneously displayed in actual sizes, which is useful when determining if the external outline is sufficient for the traced outline.

Hole edit function

The hole position information can be converted into digital data and it is editable with use of the stylus pen on the touch panel.

Ice 900

Expanding the function of edgers

The Ice 900 boasts high accuracy, easy viewing, and swift operation.

Motor drive blocking

The all new motorized lens blocking process takes only two seconds, greatly increasing productivity. The Ice 900 applies the appropriate blocking pressure and protects the lens from damage. In addition, the block adapter is ideally positioned for easy and comfortable block loading.

Twin jog dials

In addition to the intuitive operation of touch panel, data can also be entered by the use of the twin jog dials. The left jog dial moves the cursor for layout and grinding condition selection, and the right one is used to enter numerical values and changes.

Tiltable display

The display can be tilted at four different angles.

Data management

The data management feature allows storing, searching, and recalling of traced data. A maximum of 30,000 patterns can be saved. Data can also be saved to a USB flash drive (optional).

Partial step measurement

The optional partial step package provides automatic measurement of the partial step data of the demo lens. With partial step edging of the Me 1200* Multifunction Edger, the partial step package allows the prescribed spectacle lenses to be mounted into the frame of sports sunglasses, and helps to meet the request of a demanding customer.

*Available for type PLB-8S and PLB-2R8S

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

The newly designed CE-9 is more compact than the previous model.

Lfu 220

Environmentally friendly

Environmental issues continue to be concerned 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

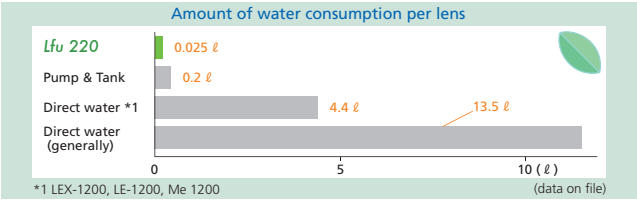
The Lfu 220 features NIDEK original "Hybrid System", combined with centrifugal and filtration methods. The unit is highly instrumental in eliminating lens "Hair Lines" and scratching, clearly of more and more importance given the increasing cost of today's complex lenses. By keeping the lens edger processing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

More pleasant environment

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

Slim and compact design

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

Power saving function to automatically starts and stops with lens edger operation.

The LED-200 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.

Low-cost maintenance

Lifespan of the deodorant is about six months to a year depending on the frequency of use. The deodorant can be exchanged easily. Therefore the LED-200 enables low cost maintenance.

Specifications

●: Standard ○: Optional

Blocker

	ICE-1200	NT	Ice 900	ICE mini+	CE-9
Built-in tracer	●				
Auto lens measurement	●	●			
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	●	●	●	●	
Layout editor	●	●	●	●	
Advanced shape editor	●	●	●	●	
Design cut editor	●	●	●		
Partial grooving 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	●	●	●	●	
Dimensions (W x D x H)	325 x 510 x 345 mm 12.8 x 20.1 x 13.6"		256 x 367 x 352 mm 10.1 x 14.4 x 13.9"	230 x 367 x 292 mm 9.1 x 14.5 x 11.5"	113 x 155 x 214 mm 4.5 x 6.3 x 8.4"
Mass	21 kg 46 lbs.	17 kg 37 lbs.	8 kg 18 lbs.	6 kg 13 lbs.	1.7 kg 3.8 lbs.
Power supply	AC 100 to 120 V / 230 V 50 / 60 Hz		←	←	AC 100 to 120 V / 200 to 240 V 50 / 60 Hz
Power consumption	110 VA	90 VA	50 VA	←	10 VA (AC 100 to 120 V) 22 VA (AC 200 to 240 V)

Satellite Tracers

	LT-1200	LT-980
Measurement range Frame Pattern	 Shape width: 36.0 to 85.0 mm Shape height: 18.4 to 66.0 mm Frame horizontal width: 113.0 to 180.0 mm Maximum height from clamp midpoint: 23.0 mm Maximum frame vertical width: 50.0 mm at the maximum height Maximum frame horizontal width: 150.0 mm at the maximum height ø22.0 to 74.0 mm (15.5 to 66.0 mm vertically)	←
Measuring points	1,000 points	←
Power supply	AC 100 to 120 V / 230 V 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.

Lens edgers

●: Standard ○: Optional

		Me 1200	Me 900	LEX-1200		
					NT	S
Function	Built-in intelligent blocker					
	3-D frame tracer			● Built-in		● Built-in
	Grooving	● 3-D, Partial	● 3-D	● Basic	● Basic	● Basic
	Safety beveling	● Basic, Special, Polish	● Basic	● Basic	● Basic	● Basic
	Beveling	● Basic, Partial, Custom	● Basic, Custom	● Basic, Custom	● Basic, Custom	● Basic, Mini
	3-D drilling	● Auto	● Auto	○ Lex Drill	○ Lex Drill	
	High base curve patented lens processing	● *1	●	● *2	● *2	
	Step lens processing	● Basic, Partial*5				
	Design cut	●				
	Facet	●				
	Soft grinding mode	● Full Estimate	● Full Estimate	● Basic	● Basic	● Basic
	Shape editor	● Advanced	● Advanced	● Advanced	● Advanced	● Easy
	Lens measurement	● Dual	● Dual	●	●	●
	RMU measurement	●	●			
Utilities	Auto Grinding Chamber Door	●		●	●	
	Port	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● RS-232C
	Barcode scanner	○ Built-in, External	○ Built-in, External	○ Built-in, External	○ Built-in, External	○ External
Operation	Screen	● LCD color touch	● LCD color touch	● LCD color	● LCD color	● B&W
	"Next step" wizard operation					
	Processing time indicator	●	●			
	Voice indicator	●	●			
	3-D simulation	●	●	●	●	
	Color-coded lens identification	●	●	●	●	●
Cup set	Pliable cup	●	●	●	●	●
	Half-eye lens cup					
	Mini cup	○	○	○	○	○
	Nano cup	○	○	○	○	
	Spindle motor	600 W DC brushless	400 W DC brushless	600 W DC brushless		
	Power supply	AC 100 to 120 V / 230V 50 / 60 Hz	←	←		
	Power consumption	1.5 kVA	1.3 kVA	1.5 kVA		
	Dimensions (W x D x H)	600 x 496 x 355 mm 23.6 x 19.5 x 14.0"	←	528 x 493 x 356 mm 20.8 x 19.4 x 14.0"		
	Mass	52 kg 115 lbs.	50 kg 110 lbs.	45 kg 99 lbs.	40 kg 90 lbs.	41 kg 90 lbs.

Minimum grinding size with Pliable cup (standard)*6 W x H	Flat edging	ø32.0 x 19.5 mm	←	←	
	Bevel edging	ø33.0 x 21.0 mm	←	←	
	Safety beveling (flat)	ø34.5 x 21.5 mm	←	←	
	Safety beveling (bevel)	ø35.5 x 22.5 mm	←	←	
	High base curve beveling	ø39.0 x 26.0 mm	←	←	
	High base curve step beveling	PLB-8S & PLB-2R8S: ø39.0 x 26.0 mm			
	Grooving	ø32.0 x 19.5 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	←	ø23.0 x 18.4 mm (PL-8: ø25.5 x 20.9 mm)	
	Safety beveling (flat)	ø24.5 x 19.9 mm	←	←	
	Safety beveling (bevel)	ø25.5 x 20.9 mm	←	←	
	High base curve beveling	ø29.0 x 24.4mm	←	←	
	High base curve step beveling	PLB-8S & PLB-2R8S: 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 (PL-8: ø21.0 x 17.5 mm)	ø21.0 x 16.5 mm	ø21.0 x 16.5 mm (PL-8: ø21.0 x 17.5 mm)	
	Safety beveling (flat)	ø23.0 x 18.5 mm	←	←	
	Safety beveling (bevel)	ø24.0 x 19.5 mm	←	←	
	High base curve beveling	ø27.0 x 22.5 mm	←	←	
	High base curve step beveling	PLB-8S & PLB-2R8S: ø27.0 x 22.5 mm			
	Grooving	ø20.0 x 15.5 mm	←	←	

Wheel configuration

	Me 1200				Me 900		LEX-1200				LE-1200				LE-700
	PLB-G	PLB-8S	PLB-2R8	PLB-2R8S	PLB-8	PLB-2R8	PLB-G	PL-8	PLB-8	PLB-2R8	PC	PL-4	PLB	PLB-2R	PLB-2R
Plastic bevel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Plastic bevel polish	●	●	●	●	●	●	●		●	●			●	●	●
Plastic flat	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Plastic flat polish	●	●	●	●	●	●	●	●	●	●		●	●	●	●
Glass bevel	●		●	●		●	●	●		●	●	●		●	●
Glass flat	●		●	●		●		●		●	●	●		●	●
Plastic high base curve bevel		●	●	●	●	●		●	●	●					
Step bevel		●		●											

*1: type PL-8 and PLB-2R8 only *2: not for type PLB-G *3: type PLB-8S only *4: type PLB-8 only *5: type PLB-8S and PLB-2R8S only *6: The standard cup for the LE-700 is half-eye lens cup.

LE-1200			LE-700	Xtrimer SE-1	SE-9090 Supra	SE-9090 Supra L
L	SNT	LNT				
			●			
● Built-in			○ External			
	● Basic		● Basic	● 3-D, Partial	○ 3-D (AHM-1000)	○ 3-D (AHM-1000)
	● Basic		○	● Basic, Special, Polish	● Basic, Special, Polish	● Basic, Special, Polish
● Basic, Mini	● Basic, Mini	● Basic, Mini	● Basic	● Basic, Partial, Custom, Inclined	● Basic	● Basic
				○ Auto, side	○ Auto (AHM-1000)	○ Auto (AHM-1000)
					● *3	● *4
				● Basic, Partial	● *5	
				●	○ Auto (AHM-1000)	○ Auto (AHM-1000)
● Basic	● Basic	● Basic	● Peeling	● Advanced	● Peeling	● Peeling
● Easy	● Easy	● Easy	● Basic	● iRx Editor		
●	●	●	●	● Dual	● Dual	● Dual
			● Simple			
				●	●	●
● RS-232C	● RS-232C	● RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C	● LAN, USB, RS-232C
○ External	○ External	○ External	○ External	○ External	○ External	○ External
● B&W	● B&W	● B&W	● LCD color touch	● LCD color touch	● LCD color touch	● LCD color touch
			●			
			●	● iRx Editor		
●	●	●	●	●	●	●
●	●	●	○	●	●	●
			●			
○	○	○	○	○	○	○
400 W DC brushless			400 W DC brushless	250 / 350 W DC brushless	600 W DC brushless	←
←			←	AC 200 to 240V 50 / 60 Hz	AC 200 to 250 V 50 / 60 Hz	←
1.3 kVA			1.0 kVA (AC 100 to 120 V), 1.3 kVA (AC 230 V)	1.0 kVA	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"	700 x 750 x 1,750 mm 27.6 x 29.5 x 68.9"	600 x 517 x 611 mm 23.6 x 20.3 x 24.0"	600 x 517 x 611 mm 23.6 x 20.3 x 24.0"
	37 kg 81 lbs.		33 kg 73 lbs.	420 kg 926 lbs.	118 kg 260 lbs.	118 kg 260 lbs.

←			ø22.0 x 19.0 mm*6	ø32.0 x 19.0 mm	←	←
←			ø23.0 x 20.0 mm*6	ø33.6 x 20.6 mm	←	←
←			ø27.6 x 24.6 mm*6 (optional)	ø34.0 x 21.0 mm	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)
←			ø30.2 x 27.2 mm*6 (optional)	ø35.6 x 22.6 mm	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)
					PLB-8S: ø37.9 x 24.4 mm	PLB-8: ø37.9 x 24.4 mm
					PLB-8S: ø37.9 x 24.4 mm	
←			ø22.0 x 19.0 mm*6	ø32.0 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)
←			←		←	←
ø23.0 x 18.4 mm			←		ø23.6 x 19.0 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
←			ø30.2 x 25.6 mm (optional)		ø25.6 x 21.0mm (PLB-8S: ø27.6 x 23.0 mm)	ø25.6 x 21.0 mm (PLB-8: ø27.6 x 23.0 mm
					PLB-8S: ø27.9 x 22.8 mm	PLB-8: ø27.9 x 22.8 mm
					PLB-8S: ø27.9 x 23.9 mm	PLB-8: ø27.9 x 23.9 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)

Xtrimer	SE-9090 Supra			SE-9090 Supra L			
SE-1	PLA	PLB	PLB-8S	PLA	PLB	PLB-8	GLS
●	●	●	●	●	●	●	
●		●	●		●	●	
●	●	●	●	●	●	●	
●		●	●		●	●	
							●
							●
●			●			●	
●			●				

Lex Drill

Hole diameter	ø0.80 to 4.00 mm (0.01 increments)
Hole depth	6 mm or less
Range for hole milling	ø32 to 75 mm from lens rotation axis
Direction for hole milling	Automatic / Manual tilting 0 to 30°
Slotted hole width	ø0.80 to 4.00 mm (0.01 increments)
Slotted hole depth	6 mm or less
Slotted hole length	20 mm or less
Power supply	AC 100 to 120 V / 230 V, 50 / 60 Hz
Power consumption	90 VA
Dimensions / Mass (W x D x H)	145 x 477 x 335 mm / 15 kg 5.7 x 18.8 x 13.2" / 31 lbs.

Specifications and design are subject to change without notice.

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