



Patternless Edger

LEXCE Trend



THE ART OF EYE CARE

The logo for Lexce Trend, featuring the word "LEXCE" in a bold, sans-serif font with a stylized "X" that has a blue swoosh underneath it. Below "LEXCE" is the word "Trend" in a smaller, lowercase font.

LEXCE
Trend

Large white text overlay reading "Upward Trend" in a clean, sans-serif font, positioned over a light gray background that shows the lower part of the Lexce Trend machine.

Upward
Trend



The LEXCE Trend is a feature-rich, all-in-one edger. It incorporates a high performance drill, an intelligent blocker and a frame tracer in a compact body. Driven by two types of user interface; a step-by-step wizard mode for beginners and a professional mode for experts, it offers every user a comfortable operation with incredible ease. Multiple configurations can be chosen from different model types depending on the situation of all optical shops and labs, either as a new integration or as an additional unit. A *Trendy* innovative concept, the LEXCE Trend redefines the "all-in-one edger".

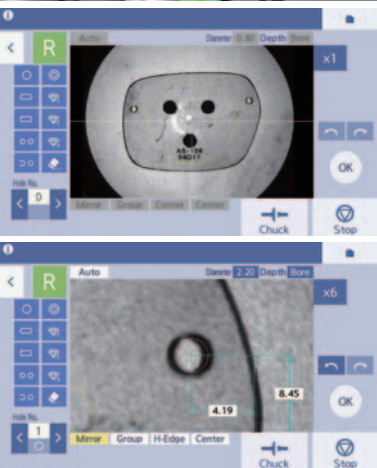




Exceptional processing unit with integrated drill

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.

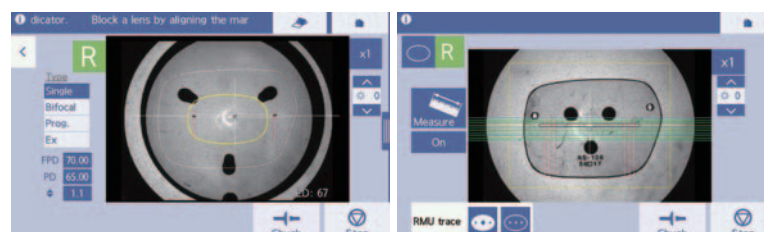
- 3-D drilling optimally controlled by 5-axis
- Multiple hole types covering extensive frames
- Drilling angle can be set automatically or manually
- Three types of drill bit (optional) for perfect fit
- Precise grooving providing attractive edge surface regardless of lens shape



Intelligent blocker with integrated imager

Blocker unit is simple to operate while offering great performance. The integrated imager can capture optical tracings, along with drill hole data. The data can be easily edited on the multifunction color screen.

- Dual lens stage allows settings of all lens types
- Magnification of the display facilitates viewing of lens markings during blocking
- Highly accurate and precise blocking function
- Automatic hole and shape data acquisition by imager (optical tracer)
- Screen enlargement facilitates hole data editing



Precise tracing for all types of shapes

NIDEK original design 3-D frame tracer performs highly precise measurements. Additionally, two types of tracing methods are available for tracing demo lenses and patterns with the LEXCE Trend.

- 3-D frame tracing with full auto clamping (optional)
- High curve frame measurement
- Frame holder keeps frame in natural state during tracing
- Reliable demo lens and pattern measurement by imager (optical tracer)
- Demo lens and pattern tracing by Radius Measuring Unit in processing chamber



Selectable user interface designed for intuitive operation

A 7-inch color LCD touch screen displays lens shape and layout in full scale. Processing conditions can be intuitively entered on the screen.

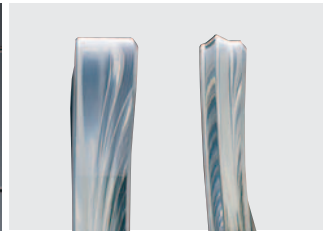
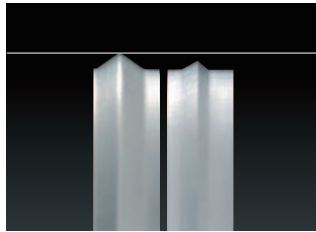
- User preference of operation can be pre-set via software interface
 - Wizard mode; step-by-step operation, for beginners
 - Professional mode; single screen operation, for experts
- Uniquely designed, clearly visible icons
- High resolution color LCD touch screen
- Capacitive technology touch screen improves sensitivity



Proven high quality finishing

Thanks to avant-garde design and engineering innovations, the LEXCE Trend is technologically advanced, offering consistency and size accuracy while encompassing a faster cycle-time.

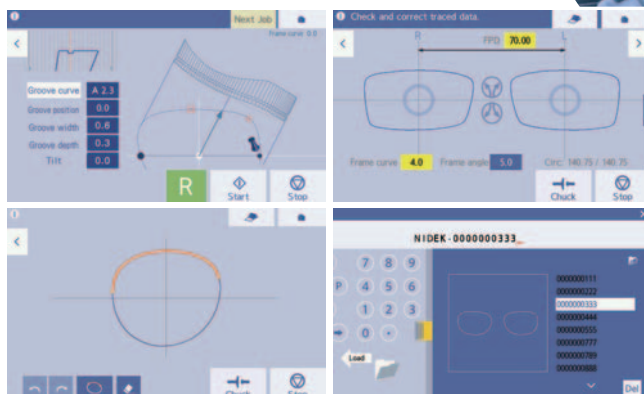
- Wider wheel capable of processing high Rx lenses
- Customizable mini bevel is ideal for thin, metal eyewire frames
- Lens edge polishing for flat and bevel lenses
- Full estimate soft processing mode controls axis shift
- Water rinsing cycle keeps grinding chamber clean at all times



Enhanced user productivity

The LEXCE Trend is perfect for practices with limited space. Multiple functions with well-combined features, all in a compact footprint, improves productivity.

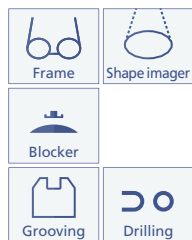
- Next job setup function
- Shape rotation adjustment function
- Shape editing mode
- Memory function for shape data management
- Feature-rich compact design
- Auto processing chamber door
- Lit processing chamber for high visibility
- Cooling water control knob



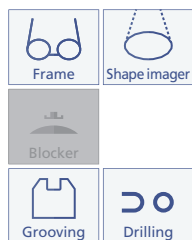
"A LEXCE" for everyone

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

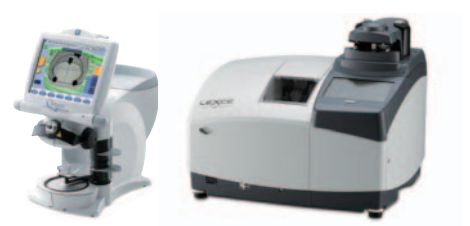
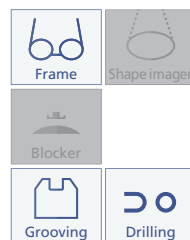
Type Core - Basic Style



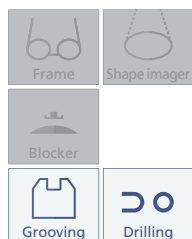
Type Mate 1 - ICE mini+ Style



Type Mate 2 - Ice 900 Style



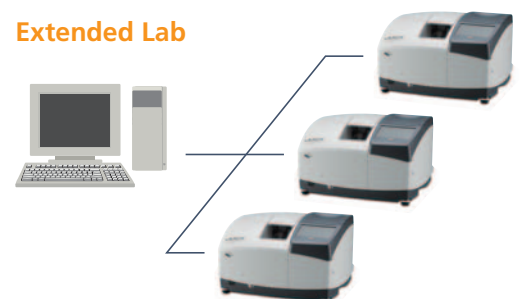
Type Pro - Combination Style



Mini Lab



Extended Lab



Minimum grinding size in mm

	Mini cup (optional)	Standard pliable cup
Flat edging (grooving)	ø22.0 x 17.4	ø32.0 x 19.5
Bevel edging	ø23.0 x 18.4	ø33.0 x 21.0
Safety beveling (flat)	ø29.6 x 22.5	ø39.6 x 24.0
Safety beveling (bevel)	ø31.2 x 24.1	ø41.2 x 25.6

LEXCE Trend Specifications

Grinding system	Patternless
Mode	Beveling (automatic, guided, safety beveling, polishing), Flat edging (polishing, safety beveling, grooving), Drilling, Mini beveling (0.4 to 0.7 mm) (0.1 mm increments), Frame changing, Soft processing
Setting range	
FPD	30.00 to 99.50 mm (0.01 mm increments)
PD	30.00 to 99.50 mm (0.01 mm increments)
1/2PD	15.00 to 49.75 mm (0.01 mm increments)
Optical center height	0 to ±15.0 mm (0.1 mm increments)
Size adjustment	0 to ±9.95 mm (0.01 mm increments)
Bevel position	0 to ±9.95 mm (0.01 mm increments)
Minimum grinding size	
Flat edging	ø32.0 x 19.5 mm / with mini cup (optional) ø22.0 x 17.4 mm
Bevel edging	ø33.0 x 21.0 mm / with mini cup (optional) ø23.0 x 18.4 mm
Safety beveling (flat)	ø39.6 x 24.0 mm / with mini cup (optional) ø29.6 x 22.5 mm
Safety beveling (bevel)	ø41.2 x 25.6 mm / with mini cup (optional) ø31.2 x 24.1 mm
Grooving	ø32.0 x 19.5 mm / with mini cup (optional) ø22.0 x 17.4 mm
Drilling	
Hole diameter	ø0.80 to 10.00 mm (0.01 mm increments)
Hole depth	6.0 mm or less
Range for hole milling	ø34.0 to 68.5 mm from lens rotation axis
Direction for hole milling	Automatic/Manual tilting 2.5 to 18°
Slotted hole width	ø0.80 to 10.00 mm (0.01 mm increments)
Slotted hole depth	6 mm or less
Slotted hole length	20 mm or less
Blocking unit*1	
Method	Manual blocking
Blocking position accuracy	±0.5 mm
Axis angle accuracy	±1.0°
Shape imager function*2	
Measurement range	65.0 x 50.0 mm (±1.5 mm)
Hole position	0.01 mm increments
Hole diameter	ø0.80 to 10.00 mm (0.01 mm increments)
Demo lens / pattern tracing unit	
Method	Shape measurement using feeler unit
Measuring points	1,000 points
Measurement range	ø22.0 to 76.0 mm (17.4 to 66.0 mm vertically)
Frame tracer (optional)	
Method	Automatic 3-D binocular tracing
Measuring points	1,000 points
Measurement range	Shape width: 23.0 to 70.0 mm Shape height: 18.4 to 66.0 mm Frame horizontal width: 113 to 150 mm Available
FPD measurement	Available
Frame clamping	One-touch automatic clamping
Setting of stylus	Switchable between automatic and semiautomatic
Measurement accuracy	Frame tracing ±0.1 mm
Wheel configuration	Type PLB-2R
Water supply system	Pump circulation or direct connection to tap water
Interface	RS-232C - 1 port LAN - 1 port USB - 1 port
Power supply	AC 100 to 120 V / 240 V, 50/60 Hz
Power consumption	1.3 kVA
Dimensions/Mass	545 (W) x 530 (D) x 460 (H) mm / 38.5 kg (type Core), 37.8 kg (type Mate 1) 545 (W) x 434 (D) x 460 (H) mm / 37.2 kg (type Mate 2) 545 (W) x 434 (D) x 344 (H) mm / 34.6 kg (type Pro) 21.5 (W) x 20.9 (D) x 18.1 (H)" / 84.9 lbs. (type Core), 83.3 lbs. (type Mate 1) 21.5 (W) x 17.1 (D) x 18.1 (H)" / 82.0 lbs. (type Mate 2) 21.5 (W) x 17.1 (D) x 13.5 (H)" / 76.3 lbs. (type Pro)
Standard accessories	Drill bit (10 units), Hexagonal screwdriver (2.5 mm), Hexagonal wrench (2.0 mm, 3.0 mm, and 4.0 mm), Dressing stick for glass roughing wheel, Dressing stick for finishing wheel, Compound kit for polishing wheel, Pliable cup, Pliable cup for high base curve lenses, Double-coated adhesive pad, Pliable cup remover, Adapter set, Pattern holder, Stage for small diameter lens*2, Calibration jig, Flat lens, Ferrite core, Accessory case, Power cord
Optional accessories	Frame tracer, External barcode scanner, External 2-D barcode scanner, Built-in 2-D barcode scanner, Circular pump tank, Mini cup set, Flexible lens clamp, Drill bit (ø1.0, 1.2, 1.6), USB flash drive, Stylus pen

*1 Available for the type Core

*2 Available for the type Core and Mate 1

Specifications and design are subject to change without notice.



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