

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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