i-Optik

Better vision, Better life

LE-5600

Patternless Edger

Edging speed improved by 30%

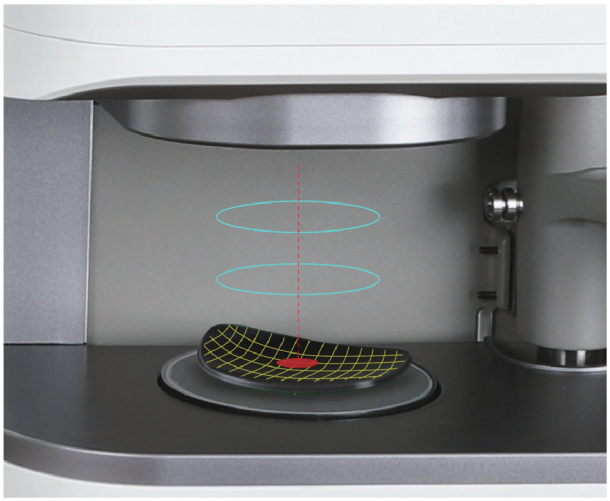
NEW UPGRADED EQUIPMENT

The roughing and finishing process are united. Compared to last generation LE+ edger, the same edging process is 40 seconds faster, and the efficiency has been enhanced greatly!

7 Functions

- Chamfering
- Grooving
- Bevelling
- Centering
- Optical tracing
- Polishing
- Lens thinning

BETTER PERFORMANCE

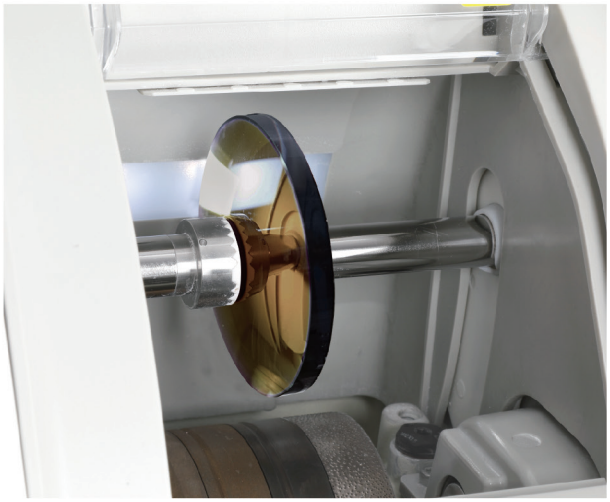


Optical tracing

Patented optical tracing technique, with lens balanced on convex side for tracing. 2.3-second fast lens, demo lens and pattern shape capture. Also supports frame curvature capture.

Dual job mode

Rely on the intelligentized edging bench and cutting-edge algorithm, the LE-5600 edger can realize seamless dual-job task flow. Optical scanning, shape capturing with camera, centering and blocking can be finished during lens edging in process, enhancing the edging efficiency significantly.



High base curve lens processing

The 90mm diameter small wheel can ensure the edging effect for high base curve lens. The maximum curve processable is up to 1,200, fulfilling fitting requirements of sunglasses etc.

EXCELLENT EDGING EFFECT

Edging mode for special lens

Intellective edging system, with built in safety mode, supports processing of prism lens and special slippery lens, reducing lens distortion due to the pressure during lens edging, protecting lens film and ensuring high-efficiency safety edging with no damages for the lens.

Auto grooving and lens thinning with chamfer

The intelligent groove position and depth setting function improves the edging efficiency for grooving process and chamfering process for lens thinning, realizing the perfect balance between aesthetics and thickness, making the edged lens thinner, lighter and more beautiful.

Optional waste disposal solution

Optional pretreatment device can absorb the pungent odor generated during lens edging process, improving the air quality, and separate the residual of lens edging process more completely from the edging fluid.

NO AXIS SHIFT DURING EDGING PROCESS

Anti-slip tests with more than 60 types of lenses

In-depth analysis of the anti-slip coatings with various lenses, continuous verification of the edger reliability for 5 years, while ensuring improvement of edging efficiency, it also at the same time guarantees no axis shift during edging process for slippery lens.

High precision press sensor

Kg level precision for lens edging press control, and real-time accurate monitor of the press change keep the clamping press within stable level.

Anti-slip design and technique

Special clamping chuck design and electromagnetic induction clamping force control technology allow clamping on lens optical center or geometry center optional, reducing off-center effect, improving edging efficiency, optimizing edging speed while ensuring no axis shifting during lens edging process.

Function \ Model	LE-5600	LE-5600B	LE-5600M
3D optical tracing	●	●	●
Centering	●	●	●
Polishing	●	●	●
Grooving	●	●	●
Mini bevel	●	●	●
Chamfering		●	●
Lens thinning			●

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Specifications

Optical tracing:	Optical tracing for automated shape recognition of lens, demo lens, pattern and frame line
Centering:	Parallax free to fulfill centering on the optical center and geometrical center for almost all kinds of lenses
Shape modify:	Supports pattern enlarge and minification
Data storage:	Data base for 3,000 jobs
Lens material detection:	Can process lens with material PLA (CR39), PC, MHI and TRI. Edging process for lens with special material can be user-defined for better edging accuracy
Lens scanning:	3D dynamic lens scanning
Bevel finishing:	3D preview, bevel position can be manually adjusted Processing range for finishing bevel height: 0.3mm-0.8mm
Grooving:	Groove depth and width configurable
Groove depth adjust range:	0.1mm- 0.8mm
Groove width adjust range:	0.6mm- 1.2mm, Minimum thickness for groove walls: 0.3mm
Polishing:	Flat and bevel
Polishing range for flat finishing:	0- 10.8mm
Polishing range for bevel finishing:	0.3mm- 0.8mm

Screen:	10.1-inch color touch screen
Size:	716W*555D*460H
Weight:	75kg
Voltage:	220V/230V, 50/60H
Power consumption:	1,000W

Designs and specification can be changed without prior notice for the purpose of improvement.

Ningbo Ming Sing Optical R&D Co.,Ltd.

Tel:+86 574 87305541
E-mail: info@nbmingsing.com Website: www.i-optik.com
Address: No.365 Middle Jingu Road(west), Ningbo, Zhejiang, China