



OptoTech

OTL 100 Excimer

UV-Laser Engraving Machine

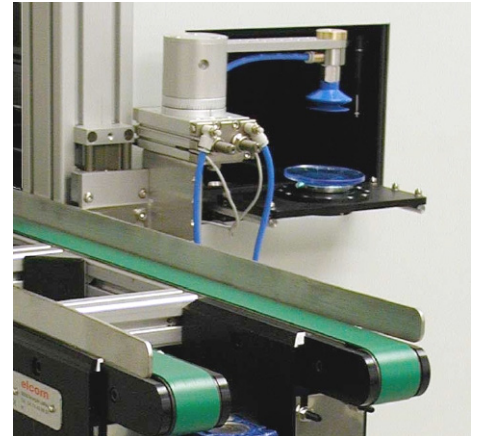


The OLM Excimer is very a flexible, economic, efficient and safe automatic laser engraving system.

Smart Solutions for Professionals



Type	OTL 100 Excimer
Working range diameter	Up to Ø 100 mm
Laser Wavelength	193 nm
Pulse Repetition	200 to 1000 Hz
Marking Fields	100 x 100 up to 300 x 300 mm
Axe Positioning Accuracy (X, Y, Z)	Up to ± 0,001 mm
Productivity	Up to 180 lenses/h
Dimensions WxHxD (with Handling)	1750 x 1920 x 1000 mm
Weight	450 - 600 kg (depending on options)



- Highest engraving performance at highest reliability
- Pulsed excimer laser. Each pulse will engrave one dot, while the pattern or character is formed by a chain of round or shaped dots. Adjustable laser energy
- Integrated Safety Gas System provides highest security
- Low Space Requirement
- Excimer Laser "Made in Germany", 193 nm, 200 to 1000 Hz
- Manual or Fully Automatic Version available (with Barcode or Transponder, single, double or double-double arm transfer system, Free Process Configuration, Z-Measurement System)
- Handling-System for fully automatic operation on option
- Smooth and micro-crack-free engraving by cold ablation. Provides smooth cavities, completely free from micro-cracks. Highest quality visible, semi-visible and non-visible marking on any ophthalmic and optical material.
- Highest quality marking of logos, data-matrix, reference marks, alignment marks and much more on plano, spherical, asphere progressive and freeform surfaces
- Specific configurations and customised versions for maximum flexibility
- Lowest operational costs (low gas consumption rates, long laser life cycles), maintenance costs and investment costs at long service-intervals
- Precision vacuum driven chuck-tray for blocked and unblocked lenses. Self alignment system.
- Comprehensive and easy to use software with layout editor, command section, service menus, file administration statistics and remote diagnosis system
- Character height from 25 µm to 8 mm, dot sizes from 5 to 100 µm especially for micro engraving

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