

For the Ultimate in High Speed, High Quality Product Identification, the Lamp-Pumped ECLIPSE® 100LY is designed for hard surface treatments. It's the powerful, reliable choice for deep engraved, to shallow, annealed marking on titanium and other high strength alloys, medical implants and hard plastics.



FEATURES

- Unique, Straight INVAR Rail Design for Easy Alignment, Increased Power and Thermal Stability
- Lightweight, Dust Sealed Rail Cover features "Hideaway Handles" for easy access
- Fixed Beam Expander
- Safety Shutter, Co-Axial Red Diode Pointer and Emission Light for Simple Operation

DIMENSIONS

Laser.....8" W x 9" H x 56" L
 Laser Power/DI Water
 Supply Cabinet.....24" W x 27" H x 30" D
 Umbilical Length.....10 Feet [detachable]

**All Marking Head Components and Assembly
 Warranted for One Year**



LASER CONTROLLER/DI WATER CABINET FEATURES

- Compact, "All in One Design" Mounted on Casters
- Slide-out DI Water System / DI and Particle Filters
- Flow, Temperature and DI Sensors
- Keyswitch and E-Stop with Manual Shutter Control



SPECIFICATIONS

ComplianceCDRH, CE, UID
 TypeNd: Lamp-pumped YAG
 Wavelength1,064 Nm
 Average Power.....100 Watts
 ModeQ-Switched or CW
 (Continuous Wave)
 Q-Switch Frequency0 to 100 KHz
 Marking Speed0.02 to 197 in/sec
 (.5 to 5000 mm/sec.)
 Marking FieldsSeveral Available
 Electrical.....3 phase/3 wire, 230V.
 50-60Hz nominal
 Total System Power Consumption7.5 KVA
 Internal DI WaterRequires (5) gallons, steam distilled
 External Cooling Water.....5 gallons/min. (19 liters/min.)
 50° F - 65° F, (10° - 18° C)

LENS CONFIGURATIONS AVAILABLE

Focal Length	Marking Field	Work Clearance
100mm	45mm x 45mm (1.8" x 1.8")	97mm (3.82")
160mm	90mm x 90mm (3.5" x 3.5")	176mm (6.93")
163mm	110mm x 110mm (4.3" x 4.3")	185mm (7.28")
254mm	155mm x 155mm (6.1" x 6.1")	296mm (11.65")
* 330mm	215mm x 215mm (8.4" x 8.4")	387mm (15.23")
* 420mm	275mm x 275mm (10.8" x 10.8")	493mm (19.40")

* Application dependent



Features DATA MATRIX™ 2-D Code Marking
 Capability — Meets all Department of
 Defense UID Requirements