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**
- Compliance ............................................ CDRH, CE, UID
- Type ...................................................... Nd: Lamp-pumped YAG
- Wavelength ............................................. 1,064 Nm
- Average Power........................................... 100 Watts
- Mode ......................................................... Q-Switched or CW (Continuous Wave)
- Q-Switch Frequency ............................... 0 to 100 KHz
- Marking Speed ......................................... .02 to 197 in/sec (.5 to 5000 mm/sec.)
- Marking Fields ........................................... Several Available
- Electrical ................................................... 3 phase/3 wire, 230V, 50-60Hz nominal
- Total System Power Consumption .................. 7.5 KVA
- Internal DI Water ................................. Requires (5) gallons, steam distilled
- External Cooling Water ......................... 5 gallons/min. (19 liters/min.)
  50° F - 65° F, (10°- 18° C)

**LENS CONFIGURATIONS AVAILABLE**

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>Marking Field</th>
<th>Work Clearance</th>
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</thead>
<tbody>
<tr>
<td>100mm</td>
<td>45mm x 45mm</td>
<td>97mm (3.82&quot;)</td>
</tr>
<tr>
<td>160mm</td>
<td>90mm x 90mm</td>
<td>176mm (6.93&quot;)</td>
</tr>
<tr>
<td>163mm</td>
<td>110mm x 110mm</td>
<td>185mm (7.28&quot;)</td>
</tr>
<tr>
<td>254mm</td>
<td>155mm x 155mm</td>
<td>296mm (11.65&quot;)</td>
</tr>
<tr>
<td>* 330mm</td>
<td>215mm x 215mm</td>
<td>387mm (15.23&quot;)</td>
</tr>
<tr>
<td>* 420mm</td>
<td>275mm x 275mm</td>
<td>493mm (19.40&quot;)</td>
</tr>
</tbody>
</table>

* Application dependent

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