



## HIGH POWER, DIODE-PUMPED Nd:YAG LASER MODEL ILM-500M

An innovative laser optics design, combined with an industrial-grade power supply, results in an extraordinarily reliable and rugged diode-pumped Nd:YAG laser for industrial use. A totally solid-state laser for trouble-free manufacturing!

- **Efficient diode optical pumping for improved performance and reliability**
- **High power output from small diameter, low divergence beam**
- **Highly circular multimode beam profile**
- **Efficient water/water heat exchanger cooling system**
- **"CE Mark" Certified; this is a CDRH Class IV laser product**

Wavelength:	1064 nm
Transverse Mode:	Multimode
Beam Diameter, nominal:	3.5 mm
Beam Divergence (full angle), nominal:	12.0 mRad
Polarization:	Random

### **CW Performance:**

Average Power (W):	500
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### **Mechanical:**

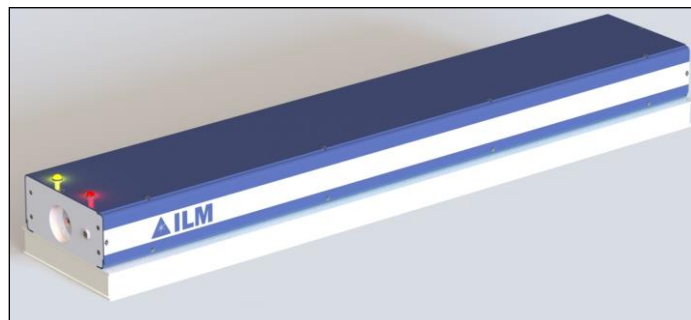
Optical Rail Length, standard:	1219 mm
Power Station Dimensions:	876H x 521W x 470D mm

### **Electrical Power:**

Recommended Service:	220 +/- 10% VAC, 1-phase, 50/60 Hz, 20A
Average Consumption:	4.6 kW, maximum

### **Water:**

Internal, water/water cooled:	City water cooled, 8 L/m @ 16° C max temp. Self-contained refrigerated chiller optionally available.
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ILM follows a policy of continuous improvement. Specifications are subject to change without notice.