

Model 408-4

High Power CW Nd: YAG Laser



The 408 Series represents the state-of-the-art in high power CW Nd:YAG design. These lasers, by virtue of their high efficiency, single lamp design, offer an economical solution to many welding, cutting and heat treating applications.

Performance	
Wavelength	1064 nm
Maximum Output Power	≥ 2400 watts
Recommended Operating Power	500 – 2000 watts
Beam Diameter	6.35 mm
Beam Divergence (at max power)	25 – 30 mrad (full angle)
Mode Structure	multimode
Input Power Requirements	
Voltage (standard)	440/480 V, 3 Φ , 50 – 60 Hz
Power Consumption (max)	80 kW
Cooling Water Requirements	
Temperature	< 50°F.
Flow	24 gal/min
Pressure	40 – 60 psi
Dimensions	
Integrated Cabinet	98" (L) x 48" (W) x 54" (H)

- Integrated Sealed Cabinet with rigid, welded steel frame houses Laser Power Supplies, Transformers and integral Cooler. Designed for the rigors of the shop floor and multiple shift operation. Removable, Inter-locked Panels permit fast access and system maintenance. Optional stainless steel panels are available.
- Multiple Laser Head configuration including Extra-Cavity Beam Dump Shutter and Beam Upcollimator mounted on ultra-stable granite base. Optical Compartment protected within a temperature stabilized environment, with access through a Gasket-Sealed Hinged Door. Optional Spotting Diode is available.
- Integrated, high-efficiency water to water Heat Exchanger with Proportioning Valve Control maintains even Rod and Lamp temperatures for better stability.
- Single-Lamp-per-Head Design, optimized for efficiency, reduces system and operating costs.
- An External Plug is provided for connection to high threshold logic/PLC Controller. An optional Manual Console with Touch Screen Controller is available.
- System is available with High Performance Conventional or Fiber Optic Beam Delivery. Multiple Fiber Delivery Output available as an option.
- Accessories for welding and cutting are available upon request.
- OEM configurations are also available.

U.S. LASER
CORPORATION



825 Windham Court North, Wyckoff, NJ 07481
Tel: 201-848-9200 Fax: 201-848-9006
www.uslasercorp.com