

Model 305-250

High Power Pulsed Nd: YAG Laser



The 300 Series Pulsed Nd: YAG Laser is designed with a small beam diameter and a low beam divergence to deliver exceptionally high brightness for precision drilling, cutting, and welding applications.

Performance	
Wavelength	1064 nm
Maximum Average Power	250 watts
Maximum Energy Per Pulse	50 J
Repetition Rate	0 - 200 Hz
Pulse Width	0.2 - 20 ms
Beam Diameter	6.3 mm
Beam Divergence	2 - 6 (mr-full angle)
Mode Structure	Multimode
Input Power Requirements	
Voltage (standard)	208/230 V, 3 Φ , 50 – 60 Hz
Power Consumption	17 KW (Peak)
Cooling Water Requirements	
Temperature	< 55° F.
Flow	6 gal/min
Pressure	40 – 100 psi
Dimensions	
Optical Assembly	46" (L) x 10" (W) x 9" (H)
Power Supply	22" (W) x 33" (D) x 47" (H)

- Touch Screen Controller provides ease of programming.
- Available with Conventional, Fiber Optic, or Galvanometer Beam Delivery.
- Beam Multiplexer available for time or beam sharing output.
- Simmer Mode Power Supply provides extended lamp life and improved pulse-to-pulse stability.
- High Efficiency Cooler with Proportioning Valve Control maintains even rod and lamp temperatures for better stability.

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