

ZENITH - Nd:DIODE-PUMPED YAG LASER

Specification Sheet

Dimensions

Laser Chassis
203mm W x 203mm H x 838mm L
Water Chiller System
320mm W x 600mm H x 530mm D
Umbilical Length 1.8 metres (detachable)

Specifications

Type Nd: Diode-pumped YAG
Wavelength 1064 Nm
Average Power 50 Watts
Mode Q-Switched
Q-Switch Frequency 2 to 50 KHz
Marking Speed .5 to 5000mm/sec
Marking Fields Several Available
Electrical Single Phase, .110V. 60Hz nominal
Total Power Consumption 2.2kW Input A.C.
Classification Class4 (Can be supplied
in a TELESIS Class 1 Workstation)
Internal DI Water Requires 6 Litres,
Steam distilled
External Cooling Water Not required

Lens Configurations Available

| Focal Length | Marking Field | Work Clearance |
|--------------|---------------|----------------|
| 100mm | 45mm x 45mm | 97mm |
| 160mm | 90mm x 90mm | 176mm |
| 163mm | 110mm x 110mm | 185mm |
| 254mm | 155mm x 155mm | 296mm |
| * 330mm | 215mm x 215mm | 387mm |
| * 420mm | 275mm x 275mm | 493mm |

* Application Dependent

Laser Controller System Features

Compact, "All in One Design" Mounted on Casters
Remote DI Water System / DI and Particle Filters
(Independent of System Electronics)
Flow, Temperature and DI Sensors
Keyswitch and E-Stop with Manual Shutter Control
1 ST Pulse Suppression Circuitry
System PC, Mounted directly in Control Cabinet
Alternate Electrical box for mounting/wiring
peripheral components.