

MD

1000W~2500W

Dual Wavelength Direct Diode Laser Series



Product Feature



High Utilization

Short wavelength, high laser absorption rate of metal



Excellent Electro-optical Conversion Efficiency

Energy saving and environmental protection, the EOCE of the whole machine reaches more than **45%**



High Power Density with Flat-top Distribution

Laser spot energy evenly distributed, improve processing effect



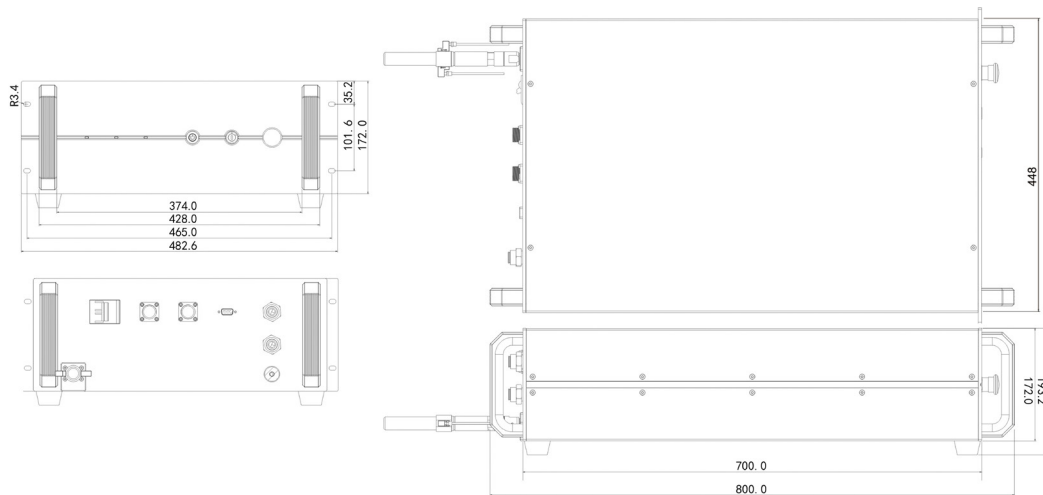
High Level Vertical Integration

All key components are designed and produced in house
Strict quality control, high consistency and reliability

Characteristic Parameters

Models	MD-1000W	MD-1500W	MD-2000W	MD-2500W
OPTICAL SPECIFICATIONS				
Nominal Power	1000W	1500W	2000W	2500W
Mode of Operation	CW/Modulated			
Polarization	Random			
Power Tunability	10 to 100%			
Wavelength	920 ± 10 nm 975 ± 10 nm			
Power Stability	±1 %			
Laser Beam Quality, BPP	20~22 mm*mrad(200μm) 25~28 mm*mrad(300μm) 30~33 mm*mrad(400μm)			
Modulation Frequency	≤ 20 KHz			
Preview red light power	150 μW			
FIBER DELIVERY SYSTEM				
Interface	QBH			
Length	15m standard, other lengths optional			
Diameter	200 μm	300 μm	400 μm	
Bending Radius	200 mm			
ELECTRICAL RATINGS				
Supply Voltage	380 VAC			
OTHER SPECIFICATIONS				
Operating Temperature	+10 to +40°C			
Storage Temperature	-10 to +60°C			
Humidity	10 to 85%			
Cooling Method	Water Cooling			
Cooling Medium	Distilled water/ Glycol Antifreeze			
Dimension	800×482.6×192 mm			
Weight	58(±3) kg			

Mechanical Specifications (mm)



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