

MD

3000W~5000W

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



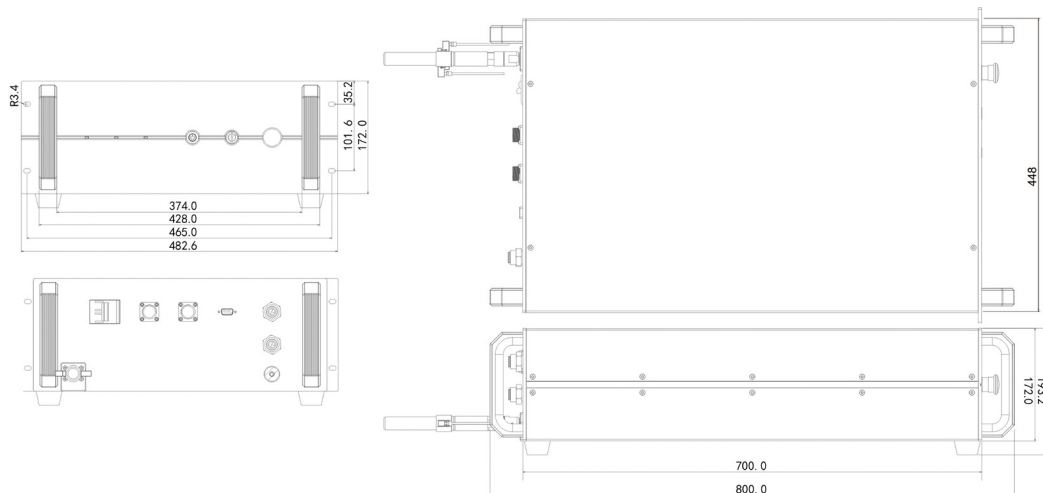
High Level Vertical Integration

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

Characteristic Parameters

Models	MD-3000W	MD-4000W	MD-5000W
OPTICAL SPECIFICATIONS			
Nominal Power	3000W	4000W	5000W
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	40~45 mm*mrad		
Modulation Frequency	≤20 KHz		
Preview red light power	150 μW		
FIBER DELIVERY SYSTEM			
Interface	QBH		
Length	15m standard, other lengths optional		
Diameter	600 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	800×482.6×172 mm		
Weight	78(±3) kg		

Mechanical Specifications (mm)



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