

MFMC

12000~15000

Multi Module Fiber Laser



Product Feature



High Power with Great Beam Quality

High power density with flat-head distribution
High wall-plug efficiency



Even Energy Distribution

Less splash during cutting and welding



Excellent Material Processing Performance

High speed in thin sheet cutting
Strong capability in thick material processing



Compact Design, Maintenance Free

Highly integrated system with modular design
High stability and easy maintenance significantly reduce TCO



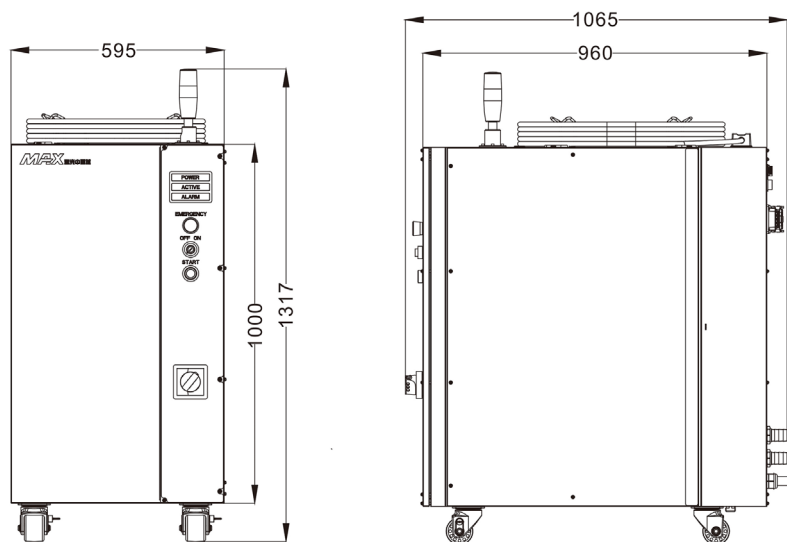
Best Choice for Cutting and Welding

Widely used in hardware processing, automobile, shipping, construction machinery, medical industries and more.

MFMC 12000~15000 High Power Fiber Laser Specifications

Model	MFMC-12000	MFMC-15000
OPTICAL SPECIFICATIONS		
Nominal Power	12000W	15000W
Mode of Operation	CW/Modulated	
Polarization	Random	
Power Tunability	10 to 100%	
Wavelength	1080 ± 5 nm	
Power Stability(1h)	±1 %	
BPP	3.5 to 4.5 mm x mrad (@100µm Fiber Core)	
	5 to 6.5 mm x mrad (@150µm Fiber Core)	
	8 to 10 mm x mrad (@200µm Fiber Core)	
Modulation Frequency	≤ 5kHz	
Red Guide Laser Power	200-1000 µW (Class 2)	
FIBER DELIVERY SYSTEM		
Interface	LOE	
Length	20m standard, other lengths optional	
Diameter	100(150/200) µm	
Bending Radius	min.150 mm	
ELECTRICAL RATINGS		
Supply Voltage	400 (-15% to +10%) VAC 3-phase	
OTHER SPECIFICATIONS		
Operating Temperature	+10 to +40°C	
Storage Temperature	-10 to +60°C	
Humidity	10 to 80%	
Cooling Method	Water Cooling	
Cooling Medium	Distilled water/ Glycol Antifreeze	
Dimension	595×960×1000 mm	
Weight	364(±10) kg	423(±10) kg

Mechanical Specifications (mm)



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