

# MFSC

## 5000W~6000W

### Single Module CW Fiber Laser



## Product Feature



### Up to 6KW Output From CW Single Module Series

Better beam quality vs. multi module lasers  
Greatly improved efficiency



### 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  
Easy maintenance significantly reduce TCO



### Smaller Size with Higher Stability

>60% reduction in volume  
Higher flexibility when integrated in to system



### High Level Vertical Integration

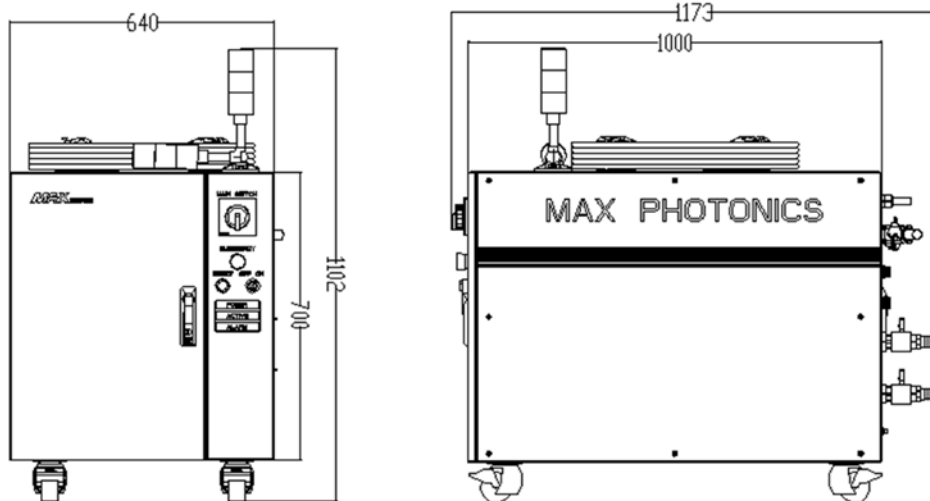
All key components are designed and produced in house  
Strict quality control, high consistency and reliability

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## MFSC 5000W~6000W Fiber Laser Specifications

Models	MFSC-5000W	MFSC-6000W
<b>OPTICAL SPECIFICATIONS</b>		
Nominal Power	5000W	6000W
Mode of Operation	CW/Modulated	
Polarization	Random	
Power Tunability	10 to 100%	
Wavelength	1080 ± 5 nm	
Power Stability	±1 %	
Laser Beam Quality, BPP	1.8 to 3.2 mm x mrad (100μmQBH)	
Modulation Frequency	≤ 5kHz	
Preview Red Light Power	200 μW	
<b>FIBER DELIVERY SYSTEM</b>		
Interface	QBH(LOC)	
Length	20m standard, other lengths optional	
Diameter	100(150/200) μm	
Bending Radius	200 mm	
<b>ELECTRICAL RATINGS</b>		
Supply Voltage	380VAC (-15% to +10%) 3-phase	
<b>OTHER SPECIFICATIONS</b>		
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	640×1173×1102 mm	
Weight	240(±20) kg	

## Mechanical Specifications (mm)



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