

# MFSC

## 1000W~1500W

### Single Module CW Fiber Laser



## Product Feature

### Premium components, superior performance and longer lifetime



#### 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

**MAX** PHOTONICS

## MFSC 1000W~1500W Fiber Laser Specifications

Models	MFSC-1000W	MFSC-1500W
OPTICAL SPECIFICATIONS		
Nominal Power	1000W	1500W
Mode of Operation	CW/Modulated	
Polarization	Random	
Power Tunability	10 to 100%	
Wavelength	1080 ± 10 nm	
Power Stability	±1 %	
Laser Beam Quality, BPP	≤ 1.5 mm x mrad (50μm QBH)	
Modulation Frequency	≤ 20kHz	
Preview Red Light Power	150 μW	
FIBER DELIVERY SYSTEM		
Interface	QBH(LOC)	
Length	15m standard, other lengths optional	
Diameter	50 μm	
Bending Radius	200 mm	
ELECTRICAL RATINGS		
Supply Voltage	220VAC (-15% to +10%) Single-phase	
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	482.6×800×193mm (W×D×H)	
Weight	53(±3)kg	57(±3) kg

## Mechanical Specifications (mm)

