

# MFSC 300W

Single Module CW Fiber Laser  
(3D Printing)



## 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

**MAX** PHOTONICS

## MFSC 300W Fiber Laser Specifications

Model	MFSC-300W
<b>OPTICAL SPECIFICATIONS</b>	
Nominal Power	300W
Mode of Operation	CW/Modulated
Polarization	Random
Power Tunability	10 to 100%
Wavelength	1080 $\pm$ 10 nm
Power Stability	$\pm 1$ %
Laser Beam Quality M <sup>2</sup>	1.1 to 1.2
Modulation Frequency	20~50kHz
Preview Red Light Power	150 $\mu$ W
<b>FIBER DELIVERY SYSTEM</b>	
Interface	QCS/QBH(LOC)
Length	2m standard, other lengths optional
Diameter	20(25/30/50) $\mu$ m
Bending Radius	200 mm
<b>ELECTRICAL RATINGS</b>	
Supply Voltage	220VAC (-15% to +10%) Single-phase
<b>OTHER SPECIFICATIONS</b>	
Operating Temperature	0 to +35°C
Storage Temperature	-10 to +60°C
Humidity	10 to 90%
Cooling Method	Air Cooling
Dimension	482 $\times$ 610.4 $\times$ 139.3 mm
Weight	26 kg

## Mechanical Specifications (mm)

