

MFSC 500W

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

MAX PHOTONICS

MFSC 500W Fiber Laser Specifications

Models	MFSC-500W
OPTICAL SPECIFICATIONS	
Nominal Power	500W
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 ²	1.3(20 μ QBH) 1.8(50 μ QBH)
Modulation Frequency	\leq 20kHz
Preview Red Light Power	150 μ W
FIBER DELIVERY SYSTEM	
Interface	QBH
Length	10m standard, other lengths optional
Diameter	50(14/20/25/30/100) μ m
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	725.9 \times 482.6 \times 154.7 mm
Weight	35(\pm 2) kg

Mechanical Specifications (mm)

