

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)

