

ELITE-SERIES







Multi Module CW Fiber Lasers

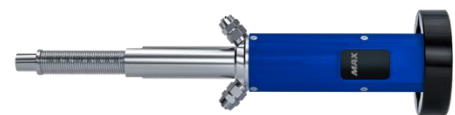
MFMC-20000W

Maxphotonics ELITE-Series is the cost and performance well-balanced product; it integrates the vast used and well-qualified optical components to get good cost-effective performance without reliability loss. This Elite series products are certified per PL-d(ISO 13849-1) with outstanding safety performance, the I/O interface can meet CNC system demanding requirement, and EtherCAT is optional.



PRODUCT FEATURES

-  Multi-functional I/O Interface and Support EtherCAT(optional)
-  Full Coverage Certificates, Including CE/FDA/ETL(UL)
-  Excellent Cost and Performance Compound
-  Performance Level D(PL-d)
-  Plug and Play
-  Good Power Redundancy



LOE*

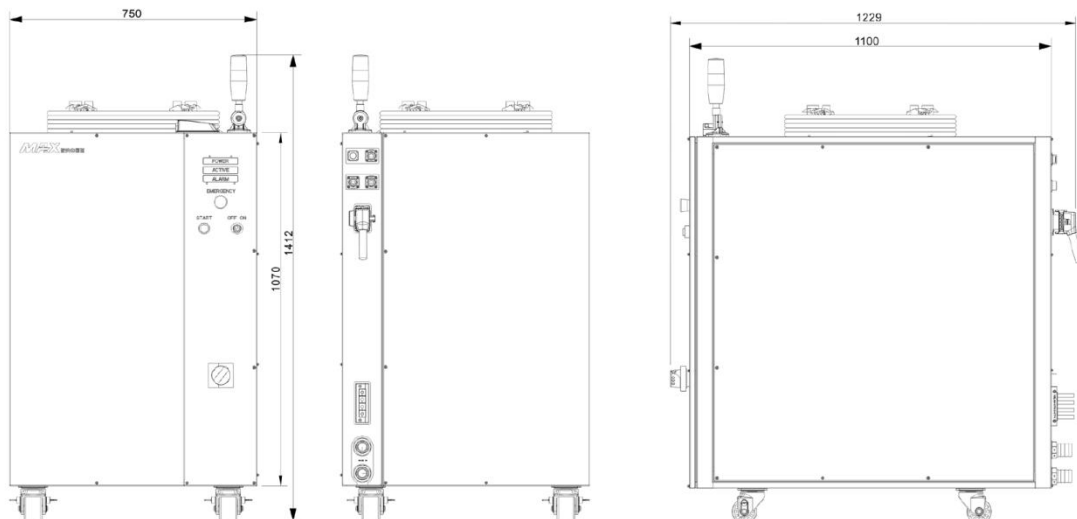
Elite-series offers more choices about LOE which can adapt to existing machining systems, creating more possibilities for optical solutions.

*Compatible with mainstream cutting heads

MFMC-2000W_ELITE MULTI MODULE CW FIBER LASER SPECIFICATIONS

Model	MFMC-2000W
OPTICAL SPECIFICATIONS	
Nominal Power(W)	20000W
Mode of Operation	CW/Modulated
Polarization	Random
Laser Beam Quality, BPP (mm*mrad)	3.5 to 4.5(@100μm fiber core)
	4.5 to 6.0(@150μm fiber core)
	8.0 to 10.0(@200μm fiber core)
Wavelength(nm)	1080 ± 10
Spectrum Width(3dB)(nm)	5 to 8
Power Tunability(%)	10 to 100
Power Instability(%): 1 hr	± 1
Modulation Frequency(kHz)	≤ 5
Red Guide Laser Power(μW)	200 to 1000(class 2)
FIBER DELIVERY SYSTEM	
Interface	LOE 3.1
Length(m)	25
Diameter(μm)	100, 150 or 200
Bending Radius(mm)	min. 200
ELECTRICAL RATINGS	
Supply Voltage	400 ± 10% VAC 3P+PE @50/60 Hz
OTHER SPECIFICATIONS	
Operating Temperature(°C)	10 to 40
Storage Temperature(°C)	-10 to 60
Humidity(%)	10 to 80
Cooling Method	Water cooling
Cooling Medium	Pure water (above 0°C)/Glycol antifreeze (below 0°C)
Dimension(mm)	750*1100*1070
Weight(kg)	478 ± 10
Certificates	CE, FDA, ETL(UL compatible)

MECHANICAL SPECIFICATIONS (mm)



The picture and the technical parameter are just for your reference. Please be subject to the actual products if anything different or updated.



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