

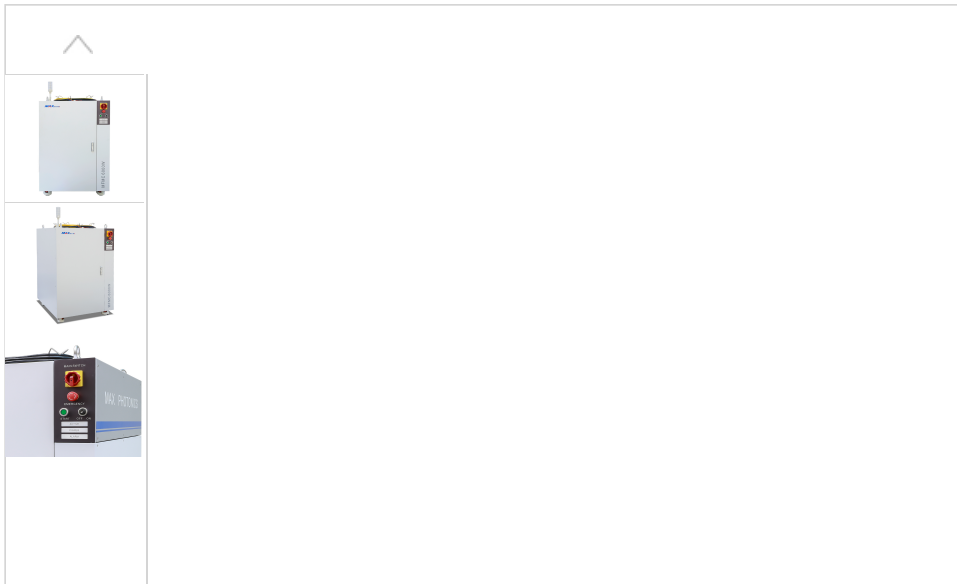


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- All
- Pulse fiber laser series
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High Power 6000W Multi-Mode CW Fiber Laser Metal Cutting

Maxphotonics MFMC-6000W series lasers are Class 4 laser products and designed and tested on the basis of safety. It is designed for Fiber Laser Cutting Machine. It's widely applied in metal cutting industry. Such as Stainless steels (include tubes), Carbon steels (include tubes), Stainless iron (include tubes), Zinc coated iron sheets, Aluminum alloys (include tubes), Aluminum, Copper, Rare metals cutting. Laser cutting is used across the globe in hundreds of markets including the Aerospace and Automotive industries to the Medical sector and even in the manufacture of Electronic components.



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Product features

Product parameters

Maxphotonics Co.,Ltd is a professional manufacturer and supplier of various laser equipment which is of high quality, high speed, high power and high performance. If you are looking for high power multi-mode 6000w fiber laser cutting module, we must be your best choice as we now have such product for sale. Welcome to get high performance multi-mode 6000w fiber laser at competitive price with us.

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Quick Detail:

Place of Origin:Shenzhen, China (mainland) Brand Name:Maxphotonics
Model Type:MFMC-6000 Power:6000w

Maxphotonics MFMC-6000 Series CW Fiber Laser products provide a wide range of wavelength from 1060nm to 1100nm. The lasers are water-cooled and maintenance-free and with a wall plug efficiency of more than 30% and deliver high efficiency, high reliability and high performance.

Breif Introduction:

Maxphotonics MFMC-6000W series product line have been developed to produce maintenance-free high power lasers with high efficiency and reliability. MFMC-6000W series product output power reach 6000w, operating at the wavelength region of 1060-1100nm. The product are water-cooled, and the efficiency of the laser exceeds 25%. Maxphotonics MFMC-6000W series lasers are Class 4 laser products and designed and tested on the basis of safety. It is designed for Fiber Laser Cutting Machine. It's widely applied in metal cutting industry. Such as Stainless steels (include tubes), Carbon steels (include tubes), Stainless iron (include tubes), Zinc coated iron sheets, Aluminum alloys (include tubes), Aluminum, Copper, Rare metals cutting. Laser cutting is used across the globe in hundreds of markets including the Aerospace and Automotive industries to the Medical sector and even in the manufacture of Electronic components.

Technical Parameters:

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Characteristics	Test Conditions	Min.	Nom.	Max.	Unit
Operation Mode	CW/Modulated				
Polarization	Random				
Output Power MFMC-6000W			6000		W
Tuning Range of Output Power		5		100	%
Emission Wavelength	100% CW	1070	1080	1090	nm
Spectrum Width(3dB)	100% CW		3	6	nm
Short-term Power Stability	100% CW >1h		± 1.5	± 3	%
Long-term Power Stability	100% CW >24h		± 2	± 5	%
Beam Quality (BPP)	100% Output Power 6000W(100umQBH)	3		4	
	100% Output Power 6000W(200umQBH)	9		11	
Laser On Delay	100% Output		150	200	μ s
Laser Off Delay	100% Output		150	200	μ s
Modulation Rate	100% Output 6000W			5	KHz
Red Guiding light Power	100% Output	200			μ W
Fiber Cable Length			20		m
Fiber Core Size	100 (200 optional)				μ m
Feeding Fiber Cable Bending Radius		200			mm
Output Connector	Standard QBH (LOC)				

Packaging & Delivery:

Packaging Detail:Carton box or Wooden case for optional

Delivery Detail:2 weeks after receiving the payment

Applicable Industries:

Electron-mechanical equipment, Sheet metals processing, Control panels / Control cabinets, Stainless steel products, Kitchen appliances, Lighting/lamps, Accessories, Automotive parts, Spectacles, Hardware/tools, Signboards, Decoration etc.,

Products Applications:

<http://en.maxphotonics.com/Products/HighPower6000WMulti.html>

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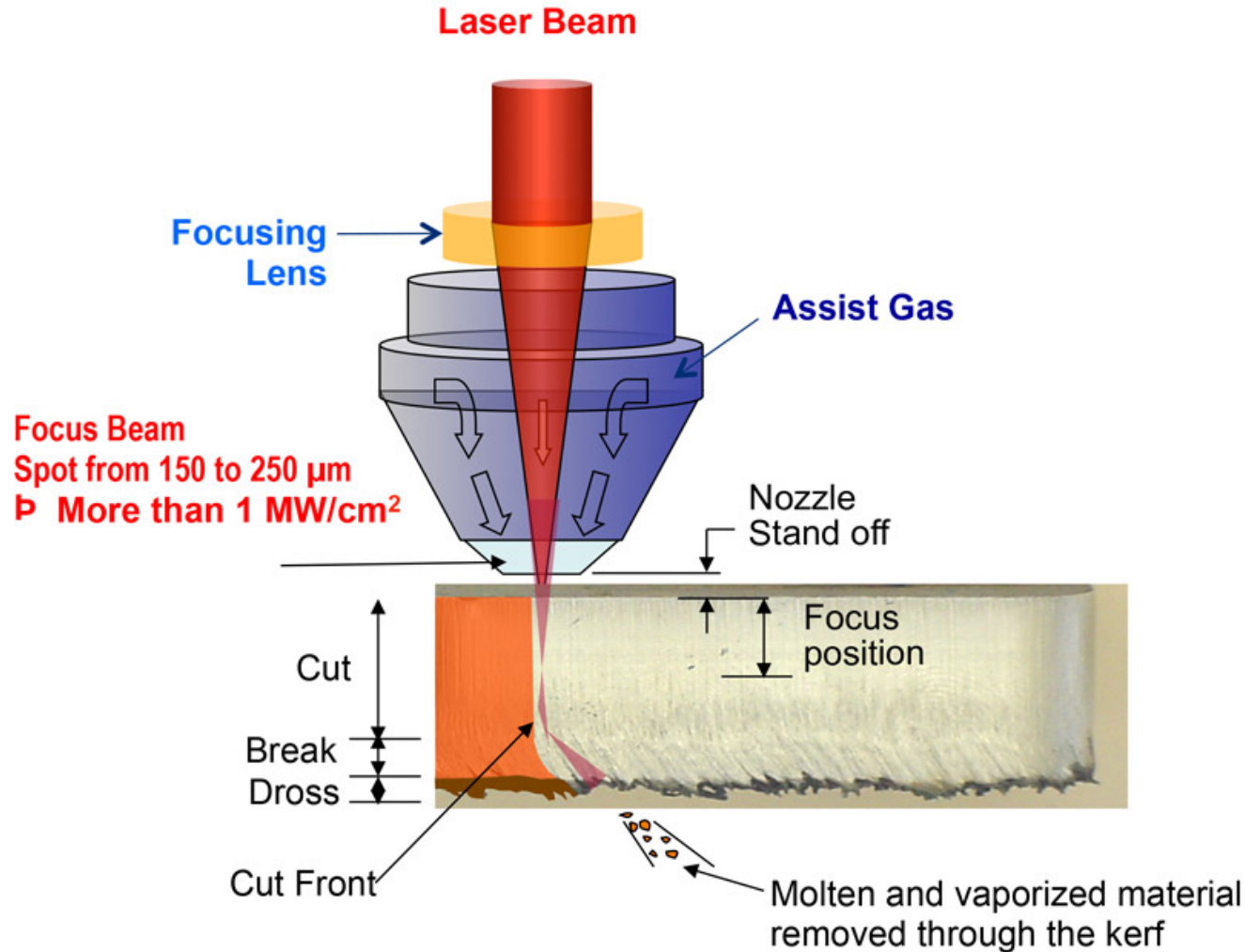
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Sheet metal cutting, Stainless steels cutting, Spectacles frames cutting, Accessories fabrications, Hardware fabrications, Automotive parts, Advertisement arts, Stainless steel decorations, Kitchen appliance, Stainless steel racks, Stainless steel accessories, Signboards, Electrical appliances, And more others which needed precision cutting of raw materials....

How Laser Cutting Works:



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Applicable Materials:

Stainless steels (include tubes), Carbon steels (include tubes), Stainless iron (include tubes), Zinc coated iron sheets, Aluminum alloys (include tubes), Aluminum, Copper, Rare metals...



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General Warranty:

All products are warranted by Maxphotonics against defects in materials and workmanship for the period of time as set forth on the applicable purchase order or in the specifications starting with the date of shipment. Max also warrants that this product will meet applicable specifications under normal use. Maxphotonics shall, at its option, repair or replace any product that proves, in the reasonable opinion of Maxphotonics, to be defective in materials or workmanship during the warranty period. All products repaired or replaced under warranty are only warranted for the remaining unexpired period of time in the original warranty for the particular defective product. Maxphotonics reserves the right to issue a credit note for any defective products that have proved defective through normal usage.

Warranty Limitations:

Products, parts (including fiber connectors) or equipment which have been tampered with are not covered by this warranty.

1. Be tampered with, opened, disassembled, opened, or modified by persons other than Maxphotonics personnel.
2. Misused, neglected, or damaged by accident, used in applications which exceeds their specifications or rating.
3. Outside of environmental specifications for the products.
4. Used with buyer software or interfacing.
5. Improperly installed, maintained or otherwise abused or used other than in accordance with the information and precautions contained in this User's Manual.
6. It is the customer's responsibility to understand and follow operating instructions in this User's Guide and specifications prior to operation-failure to do so many result in voiding this warranty.
7. Accessories and fiber connectors are not covered by this warranty.

Important

Buyer must claim under the warranty in writing no later than 31 days after the claimed defect is discovered. This warranty does not extend to any third party, including without limitation Buyer's end-users or customers, and does not apply to any parts, equipment or other products not manufactured by Maxphotonics.

Maxphotonics company introduction:

Maxphotonics is a major professional leading developer and manufacturer of the fiber laser and optical passive device, and the first and only high-tech enterprise in China to localize two core technologies and have more than 14 years of experience in designing and manufacturing customized fiber lasers for major national and international projects.

Since 2004, Maxphotonics established and applied 190 domestic and overseas patents, 20 copyrights. Successively obtains "Pilot 100 Youth Leading Company", "2016 Guangdong Patent Gold Awards", "2018 China Laser Industry Influence Enterprise Award". Maxphotonics has achieved domestic leading position of mass productive fiber laser source and optical device, and worldwide leading advantage of some laser device.

Maxphotonics devoted itself to offer high performance, top quality and most cost effective fiber laser source and optical components integration solution, to offer the most professional and perfect service all over laser field globally. Currently, Maxphotonics' sales and service network covers more than 20 countries and regions, such as Asia, Europe, America, Middle-East etc. Maxphotonics owns Max Pluse Series Acousto-optic Q-switched Pulse Fiber laser, Max MOPA Series Pulse Width Tunable Fiber Laser, Max SC Series Single Mode Continuous Wave(CW) Fiber Laser, Max Multi-mode Continuous Wave(CW) Fiber Laser four series major fiber laser products and Pump Diode, Opto-isolator, Combiner, AOM(acoustic optical modulator), High power Collimator, FBG(fiber bragg grating), QBH Output, Mode Stripper etc. which are widely used in Communication Industry, motor, 3D-Printing, Photovoltaic Industry, electric appliance, the aerospace industry, etc. In recent 3 years, We are the NO.1 laser supplier in delivery of global pulse fiber laser market.

Maxphotonics has 50,000 square meters modern industrial park in its Shenzhen headquarter, 9000 square meters class 1000 clean room factory and 1000 employees. Its core R & D group was formed by several experienced laser industry post-doctor & doctor from abroad, and many domestic high-level research and development staff.

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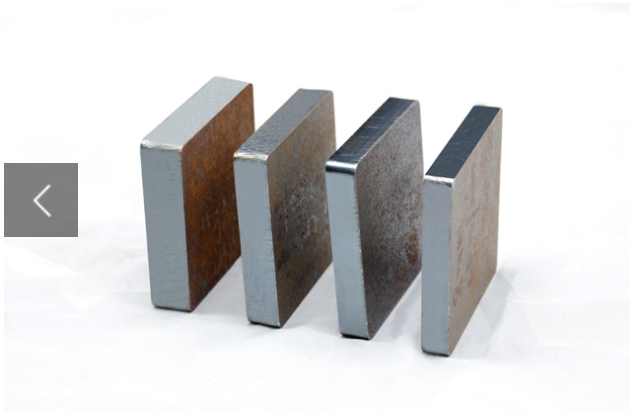
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Samples display



6mm / 8mm / 10mm / 12mm carbon steel cut

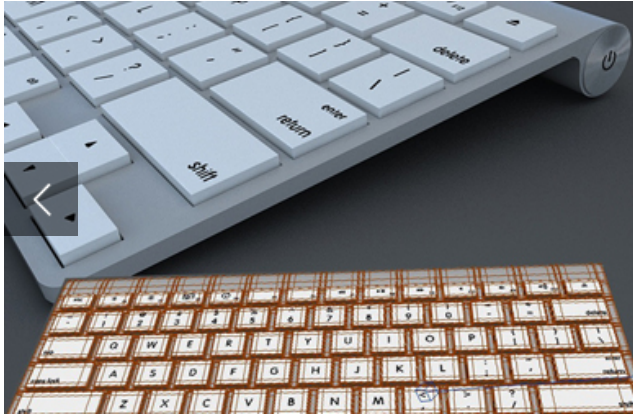


6mm carbon steel fine cut



4mm / 6mm / 8mm / 304 stainless steel cutting

Application industry



The electronics industry



Communication Industry



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- About us
- Milestone
- Advantage
- Honor
- Network

Products

- Pulsed fiber laser series
- CW fiber laser series
- Research laser series
- Semiconductor Laser Series
- Optical Passive Devices
- Laser solutions

Application

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- Industrial Application

News

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