

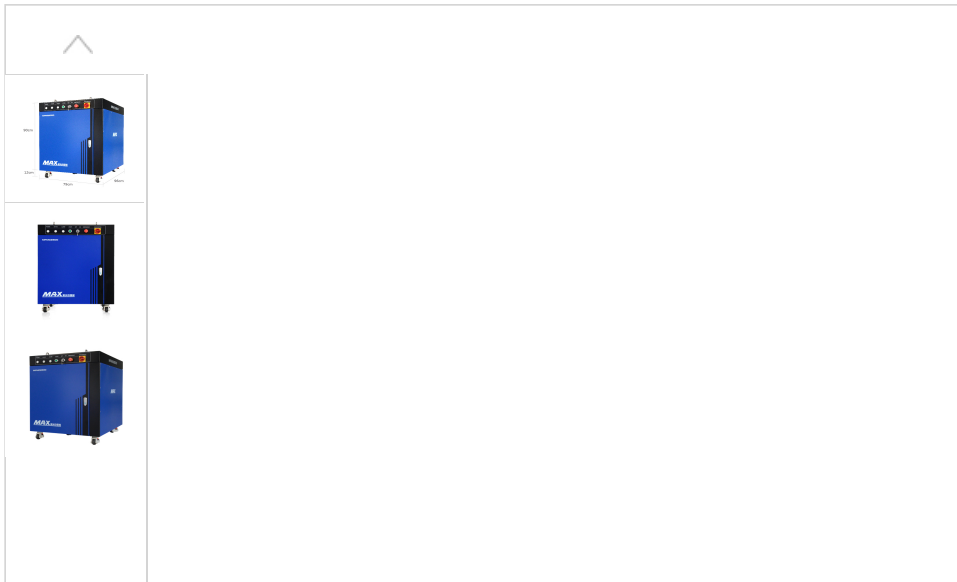


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- All
- Pulse fiber laser series
- CW fiber laser series
- Research fiber laser series
- Semiconductor laser series
- Optical passive devices
- Laser solutions



MFMC 2000-4000W CW Fiber Laser

MFMC Series CW fiber lasers are compact and efficient high power lasers developed for industrial application. They are mainly applied to the fields of welding, cutting, brazing, etc.

Product features

- High quality laser output
- High power、High efficiency
- High reliability、long lifespan
- Compact structure

Product parameters

Optical Characteristic Parameters							
No.	Characteristics	Test conditions	Min.	Nom.	Max.		
1	Operation mode	CW/Modulated					
2	Polarization	Random					
3	Output Power of MFMC-2000W	100% CW		2000		W	
	Output Power of MFMC-2500W	100% CW		2500			
	Output Power of MFMC-3000W	100% CW		3000			
	Output Power of MFMC-4000W	100% CW		4000			
4	Tuning range of output power		10		100	%	
5	Emission wavelength	100% CW	1070	1080	1090	nm	
6	Spectrum width(3dB)	100% CW		3	4	nm	
7	Short-term power instability	100% CW>1h		1	3	%	
8	Long-term power instability	100% CW>24h		3	5	%	
9	Beam Quality M ²	100% CW		3	4		

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10	Laser switching ON time	10% → 90%Output		50	80	us
11	Laser switching OFF time	90% → 10%Output		30	50	us
12	Modulation rate	100% Output		20	50	KHz
13	Red guide laser power	100% Output	200			uw
14	Feeding Fiber Cable Length			20		m
15	Feeding fiber core size	100 (200 optional)				um
16	Feeding fiber cable bending radius		200			mm
17	Output form	Standard QBH (LOC)				

General Characteristic Parameters

No.	Characteristics	Test conditions	Min.	Nom.	Max.	
1	Operating voltage		360	380	410	
2	Nominal Power Consumption of 2000W	100% Output			8	kw
	Nominal Power Consumption of 2500W	100% Output			10	
	Nominal Power Consumption of 3000W	100% Output			12	
	Nominal Power Consumption of 4000W	100% Output			15	
3	Operating ambient temperature		10		40	°C
4	Operating ambient relative humidity		10		85	%
5	Cooling method	Water-cooling				
6	Storage temperature		-10		60	°C
7	Dimensions	810*1160*1080				mm
8	Weight	MFMC-2000W	380+/-10			kg
		MFMC-2500W				

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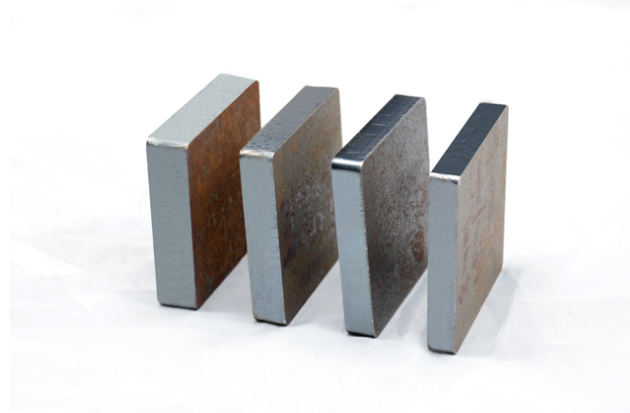
	MFMC-3000W	
	MFMC-4000W	450+/-10

For reference only. Other beam diameter avai lable by order.

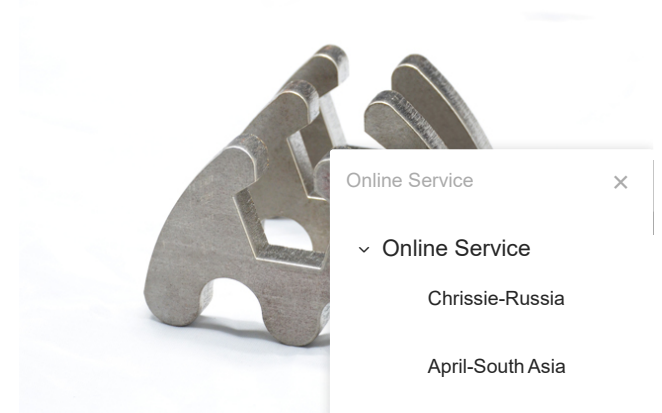
Samples display



3 mm / 5 mm brass cutting



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



4mm / 6mm / 8mm / 30mm

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