



Laser Marking



Laser Engraving



Laser Cleaning

Functional Affordable Reliable

30 to 200W MOPA cabinet fiber laser marking system adapts advanced Master Oscillator Power Amplifier (MOPA), it refers to the design of the laser where a master oscillator generates light and a power amplifier boosts the output power. offer high flexibility in adjusting laser parameters such as pulse duration, pulse frequency, and pulse energy, which



Pay for What you get



Durable service life



Double red-light



This series adapts advanced Master Oscillator Power Amplifier (MOPA), it refers to the design of the laser where a master oscillator generates light and a power amplifier boosts the output power. offer high flexibility in adjusting laser parameters such as pulse duration, pulse frequency, and pulse energy, which can be modified independently. The open-architecture design of MCFA machines allows for the marking and engraving with no weight or size restrictions and a stable working table supports .Use RodinCAD software, precision-focused laser beams to mark designs on products and parts.

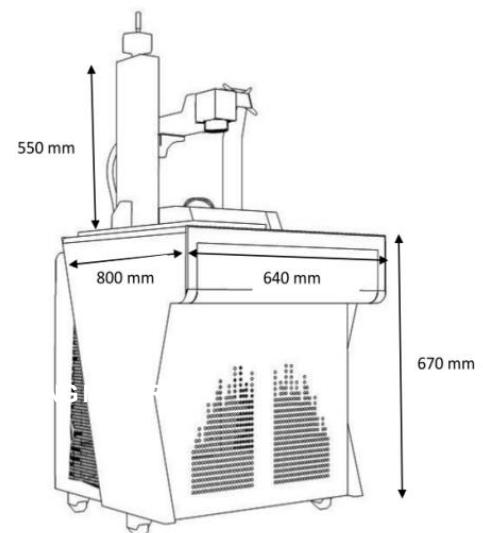
The most cost-effective way to achieve

Traceability, Personality, and Branding for industrial application

Metals	Non-metals
√ Stainless Steel	√ Ceramics
√ Steel	√ Glass
√ Copper	√ Rubber
√ Brass	√ Wood
√ Gold and Silver	√ Leather
√ Titanium	√ Plastics
√ Aluminum (anodized aluminum)	√ ABS, PVC, Polycarbonate etc

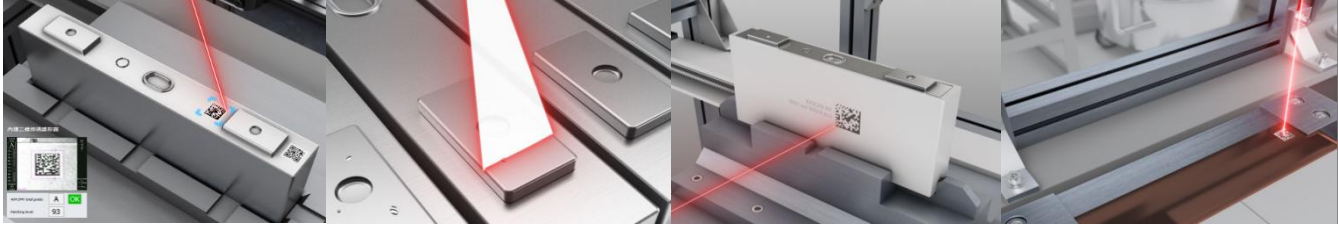
Special Features

- √ Color marking on stainless steel and titanium.
- √ Engraving intricate details on coated materials (e.g., painted metals, anodized layers).



The MCFA series fiber laser marking system is classified as Class IV laser equipment, equipped with extra safety features to ensure effortless and secure operation in diverse industries and work environments. MRodin highly recommends the use of laser protective goggles, covers, and safety enclosures to prioritize user safety.

» Improved Traceability Options » Conquer Difficult Materials » Less Changeover for More Up-Time



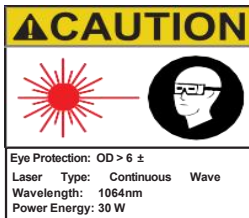
SPECIFICATIONS

MRodin model	MCFA20060	MCFA20100
Laser Source Wattage	60W	100W
Machine power	450 Watt	600 Watt
Laser type	MOPA pulse laser	MOPA pulse laser
Laser wavelength	1064 nm	1064 nm
Beam quality	$M^2 < 1.5$	$M^2 < 1.6$
Frequency	1-4000 kHz	1-4000 kHz
Marking depth	0.01-1 mm	0.01-2 mm
Pulse energy	1.5 mJ	1.5 mJ
Pulse width	2-500 ns	2-500 ns
Marking speed	7000-9000 mm/s	7000-10000 mm/s
Protection	Anti-reflection protection	
Cooling mode	Built-in air-cooling & Air filter is optional	
Focusing method	Double red-light manual operation (electric is optional)	
Software	RodinCAD 16 multilingual & Lightburn is optional	
Electrical parameters	110V/220V Single-phase 50Hz	
Package & N/G weight	Wooden case 1220*300*640 mm About 100/120 kgs	



See MOPA
marking

Please consult MRodin for
more power & parameters



Safety Guidelines for Operation:
The 1064 nm wavelength laser light emitted by this laser system is invisible and poses potential harm to the human eye. It is imperative to always wear appropriate laser safety eyewear during operation.



Additional requirements not covered in this listing can be provided upon request. For guidance in identifying the optimal capabilities to meet your specific needs, please reach out to MRodin Laser Machinery S.L. or visit our website at www.mrodin.es.

This equipment is classified as a Class IV laser by the CDRH and does not fully meet the requirements of a stand-alone laser system as outlined in 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968. Users are responsible for utilizing all integrated safety features of the system to ensure compliance with 21 CFR 1040.10. **IMPORTANT NOTICE:** All specifications, technical data, and other information contained in this document, as well as statements regarding the identified product(s), are preliminary and provided "as is," without warranty or assurance of any kind. MRodin Laser Machinery makes no representation or warranty, express or implied, regarding the product(s) or their specifications. All information is subject to change. For more details, please contact MRodin Laser. *MRodin Laser* and *MRodin* logos are trademarks of MRodin Laser Machinery S.L. Other trademarks are the property of their respective owners. © MRodin Laser Machinery S.L. All rights reserved.

