



Laser Marking



Laser Cutting



Laser Engraving



Laser Cleaning

Functional Affordable Reliable

MCFA series empowers you with enhanced flexibility in managing process parameters, enabling seamless application even on notoriously challenging high reflective metal materials. Users can effortlessly perform deep marking, delicate light removal, and do precise black-annealed marking with ease.



Pay for What you get



Durable service life



Double red-light



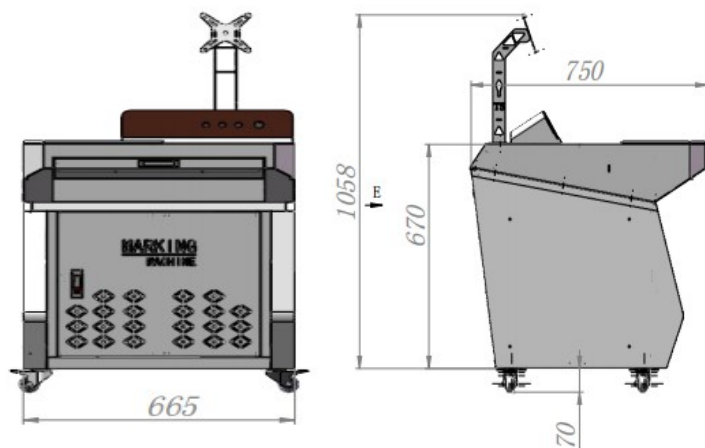
MCFA series harnesses the full potential of fiber laser power, resulting in significant enhancements in both processing speed and quality. Unlike conventional models where single lines overlap, leading to energy loss as the laser beam traverses back and forth, this laser adopts a circular pattern approach.

Cabinet fiber laser marking machine 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.

MARKING MATERIAL

- Steel
- Iron
- Ceramic
- Aluminum
- Brass
- Titanium
- Copper
- Concrete
- CFRP
- Some plastic
- Silicon
- Metal Alloys
- Cast Iron
- Carbide
- Chrome
- Galvanized Metals

Your products deserves to be marked



Different materials, precision and effect requirements can be adjusted through parameter settings. Please consult MRodin professional team for more information.



See MCFA working



The MCFA series fiber laser marking machine is a Class IV laser device, designed with enhanced safety features to ensure easy and secure operation across a wide range of industries and work environments. MRodin strongly recommends the use of laser protective goggles, safety covers, and enclosures to prioritize user protection and maintain the highest safety standards.

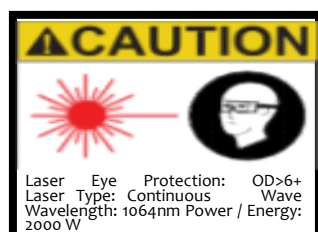
» No Dangerous Chemicals

» No Hazardous Fumes

» No Complex Cleaning Procedures

**SYSTEM SPECIFICATIONS**

MRodin model	MCFA10020	MCFA10030	MCFA10050	MCFA10100
Laser source wattage	20W	30W	50W	100W
Laser wavelength	1064 nM	1064 nM	1064 nM	1064 nM
Frequency	27 KHZ	40 KHZ	45 KHZ	65KHZ
Machine power	150W	200 W	350W	600W
Scan area (standard)	110*110 mm	110*110 mm	170*170 mm	200*200 mm
Marking depth	0.1-0.2 mm	0.1-0.3 mm	0.1-0.5mm	0.1-1 mm
Pulse energy	0.7 mJ	0.75 mJ	1.1 mJ	1.1 mJ
Pulse width	90±10 ns	100±20 ns	100±10 ns	170±20 ns
Marking line width	0.01-0.2 mm	0.01-0.3 mm	0.01-0.5 mm	0.01-0.5 mm
Marking speed	5000 mm/s	7000 mm/s	9000 mm/s	10000 mm/s
Cooling mode	Built-in air-cooling			
Focusing method	Double red-light manual operation (electric is optional)			
Software	RodinCAD 16 multilingual Spanish/ English			
Electrical parameters	110V/220V Single-phase 50Hz			
Package N/Gweight	Wooden case 1730*1100*970 mm 270/310 kgs			



21 CFR 1040.10 Compliance

Safety Considerations During Operation 1064 nm wavelength laser light emitted from this laser system is invisible and may be harmful to the human eye. Proper laser safety eyewear must be worn during the operation.



Requirements beyond those listed herein will be quoted upon request. For assistance in determining which capabilities will best suit your needs, contact MRodin Laser Machinery S.L. or visit our website www.MRodin.es

This equipment is a Class IV laser as designated by the CDRH and does not meet the full requirements as a stand-alone laser system as defined by 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968. It is the user's responsibility to utilize all integrated safety features of the system to exploit as compliant with 21 CFR 1040.10.

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