



Laser Marking



Laser Cutting



Laser Engraving



Laser Cleaning

The MCFE series is designed for performance-critical companies, providing a high-end industrial solution built to withstand the demands of challenging environments.



**Pay for
What you get**



**Durable
service life**



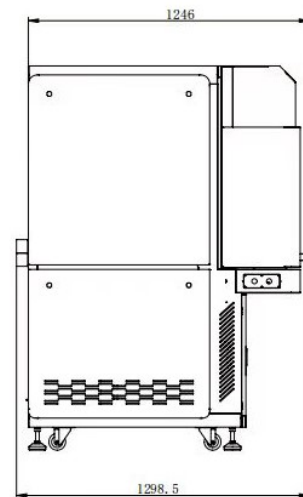
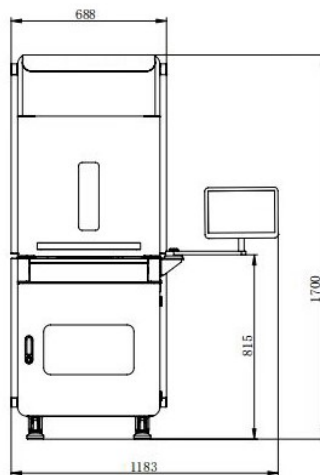
Affordable

- ✓ Traceability of products over their life cycle.
- ✓ Prevents the mix-up of work pieces
- ✓ Flexible and permanent customization

MCFE series is configured and tested in the EU to the highest standards as Class 1. We choose very high grade safety components from KEYENCE and EUCHNER with CE, RoHS and FDA regulations, MRodin is the fast manufacturer to incorporate with them in the laser industry.

MARKING MATERIAL

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



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



See MCFE working

Advantages of MCFE Fiber Laser Marking Station



We add safety to marking your business



Within a laser marking machine, the laser source is always Class 4, posing potential hazards that can be mitigated with additional safety measures and devices. The MCEF series is designed, assembled, configured, and tested in the EU to meet the highest standards as a Class 1 laser, ensuring safety for operators. MRodin selects high-grade components in collaboration with laser safety experts and top manufacturers in the safety industry, making the MCEF series fully compliant with CE, RoHS, and FDA regulations.

EUCHNER
More than safety.

KEYENCE

Schneider
EI

SIEMENS


SYSTEM SPECIFICATIONS

MRodin model	MCFE10030	MCFE10050
Laser source wattage	30W	50W
Laser source type	Q-switch fiber laser	Q-switch fiber laser
Laser wavelength	1064 nM	1064 nM
Frequency	40 KHZ	45 KHZ
Machine power	200 W	350W
Scan area (standard)	110*110 mm	110*110 mm
Marking depth	0.1-0.3 mm	0.1-0.5mm
Pulse energy	0.75 mJ	1.1 mJ
Pulse width	100±20 ns	100±10 ns
Marking line width	0.01-0.05 mm	0.01-0.05 mm
Marking speed	5000 mm/s	7000 mm/s
Cooling mode	Built-in air-cooling Air filter is optional	
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/G weight	Wooden case 1730*1100*970 mm 270/310 kgs	

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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