

Desktop Fiber Laser Metal Marking Machine

This fiber laser marking machine is a desktop unit suitable for marking, etching, engraving, and cutting both metal and non-metal materials. Its tabletop design makes it easy to transmit, and the fiber laser requires no special maintenance or consumables.



Overview

Precision Desktop Fiber Laser Marking

This desktop fiber laser marking machine is engineered for high-precision marking on a wide variety of metal and select non-metal surfaces. Featuring a compact footprint, it is an ideal solution for small workshops and industrial environments requiring efficient, low-maintenance operation. With a long service life of 100,000 hours and advanced software support, this system enables users to easily customize serial numbers, logos, and intricate designs.

Technical Performance

Max Marking Speed

7000 mm/s

Max Speed

Repetition Accuracy	0.0025 mm
Min. Focus Facula Diameter	20 μ m
Minimal Character Size	0.01 mm

Laser System

Laser Wavelength	1064nm
Frequency Range	20kHz - 100kHz
Service Life	100000 hours

Power and Cooling

Cooling System	Force-air Cooling
Power Requirements	220V / 50Hz / 2kVA

Compatibility

Suitable Materials

- Metals
- Select non-metal materials
- Non-opaque plastics

Supported File Formats	PLT, BMP, DXF, JPG, TIF, AI
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Specifications Table

Model Specifications

Model	Power
RC-F10	10W
RC-F20	20W
RC-F30	30W
RC-F50	50W