

Handheld Fiber Laser Marking Machine

This handheld machine utilizes fiber laser technology to create permanent markings with speed and precision. It features a user-friendly interface and software for easy operation and customization.



Overview

High-Performance Fiber Laser Marking

This handheld fiber laser marking machine is engineered for high-precision, permanent marking across a wide range of metal and non-opaque plastic materials. Featuring a compact, maintenance-free design with air-cooling, it eliminates the need for consumables and complex water-cooling systems. The system offers exceptional beam quality, high-speed scanning capabilities, and a user-friendly interface, making it an ideal solution for industrial part identification, serial numbering, and decorative engraving.

Key Features

Core Advantages

- Maintenance-free operation with 100,000-hour laser source lifespan
- Compact, portable design with air-cooling system
- Red light preview for accurate positioning before marking
- High-speed galvo scanner for distortion-free output
- User-friendly interface with included notebook software

Technical Specifications

Performance Metrics

1064 nm

Wavelength

7000 mm/s

Max Marking Speed

0.0025 mm

Repeated Accuracy

Model Comparison

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

Laser Parameters

- Repetition Frequency: 20kHz - 100kHz
- Minimum Focus Diameter: 20 μ m
- Minimal Character Size: 0.01mm
- Cooling Method: Force-air Cooling

Power Supply

220V / 50Hz / 2kVA

Applications

Suitable Industries

Electronics, Automotive, Jewelry, Medical Devices, Hardware, Consumer Goods