

Fiber Laser Marking and Engraving Machine

This fiber laser marking machine is designed for permanent marking and engraving. It is suitable for use on metals, plastics, and ceramics.



Overview

High-Precision Fiber Laser Marking

This fiber laser marking and engraving machine offers exceptional efficiency and precision for industrial marking applications. Engineered with a high-performance fiber laser source, it delivers superior beam quality and electrical-to-optical conversion efficiency. The system is designed for 24/7 operation with minimal maintenance, making it an ideal solution for industries requiring permanent, high-speed marking on metals, plastics, and ceramics.

Performance Metrics

Max Marking Speed

7000 mm/s

Max Marking Speed

Marking Depth	0.01mm - 0.3mm
Repetition Precision	±0.003mm

Technical Specifications

Marking Scope Options

- 70x70mm
- 150x150mm
- 300x300mm

Wavelength	1064 um
Laser Power	10W, 20W
Acousto-optics Modulation Frequency	20KHz - 100KHz

Operational Details

Cooling System

Air Cooling

Power Supply	220V / 50Hz
Control System	Digital PC Control

Applications

Suitable Industries	Aerospace, Automotive, Electronics, Medical Instruments, Hardware, Food & Beverage
---------------------	--