

CO2 Laser Marking Machine

This laser marking machine is equipped with a laser source designed for stable discharge and a long operational life of up to 45,000 hours. While the initial investment is significant, the machine offers low operating and maintenance costs.



Overview

High-Efficiency CO2 Laser Marking System

This industrial-grade CO2 laser marking machine utilizes a high-quality imported laser source designed for exceptional longevity of up to 45,000 hours. Engineered for precision and speed, the system features a high-speed scanning resonance mirror and is fully compatible with popular design software like AutoCAD and CorelDraw. It offers a cost-effective solution for permanent marking across a wide range of materials, including wood, plastics, and glass.

Technical Specifications

Laser Power Options

- 30W
- 50W (Optional)
- 100W (Optional)

Marking Area

- 150 x 150 mm
- 300 x 300 mm (Optional)

Laser Wavelength	10.64 um
Laser Repetition Frequency	<50kHz

Performance Metrics

Minimum Line Width	0.1 mm
Minimum Character Size	0.4 mm

Compatibility

Supported File Formats	PLT, PCX, DXF, BMP
Software Compatibility	CorelDraw, AutoCAD, Photoshop, SHX Fonts, TTF Fonts

Applications

Compatible Materials

Wood • Paper • PVC • ABS • Epoxy Resin • PMMA • Leather • Glass • Unsaturated Polyester

Target Industries

- Foodstuffs
- Packaging
- Handicrafts
- Electronic Components
- Apparel
- Leather Goods