

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
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Laser Repetition Frequency	<50kHz
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Performance Metrics

Minimum Line Width	0.1 mm
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Minimum Character Size	0.4 mm
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Compatibility

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

Compatible Materials

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

Target Industries

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