

CO2 Laser Marking Machine

The CO2 laser marking machine is designed for high-speed and accurate marking on non-metallic materials. It features a robust frame and a user-friendly control panel for easy operation.



ADDITIONAL IMAGES



Overview

High-Performance CO2 Laser System

This advanced CO2 laser marking machine integrates precision optical technology with high-speed galvanometer control to deliver permanent, high-quality marking on a variety of non-metallic materials. Designed for industrial reliability, the system features a 24-hour continuous operation capability and a maintenance-free optical path. Its versatile software interface ensures compatibility with standard design formats like AI, DXF, and PLT, making it an efficient solution for engraving, marking, and color removal applications.

Technical Specifications

Laser Wavelength	10.6 nm
Laser Power	100 W
Working Range	600 x 600 mm
Max Marking Line Speed	5000 mm/s
Repeat Positioning Accuracy	±0.01 mm
Cooling Method	Water cooling
Power Supply	AC220V 50Hz
Average Power Consumption	1 kW

Key Features

Performance Metrics

24 hours

Continuous Operation

20 %

Efficiency Increase

Suitable Materials

Handicrafts, Paper, Leather, Wood, Cloth, Plastic, Rubber

Software Compatibility

AutoCAD, CorelDraw, Photoshop, DXF, PLT, AI

System Components

Standard Configuration

Component	Function
Laser Tube	Core marking source
Scanning System	High-speed galvanometer
Field Lens	Focusing technology
Control Card	Marking control interface
Industrial CPU	System processing
Cooling System	Thermal management