

# CO2 Laser Marking System for Non-Metals

This CO2 laser marking system is designed for industrial applications on non-metallic materials. It utilizes a CO2 laser source to create permanent marks on materials like acrylic, wood, leather, and paper.



## ADDITIONAL IMAGES



## Overview

### High-Performance CO2 Laser Marking System

The S-500 is a professional-grade CO2 laser marking and engraving system engineered for industrial mass production. It features a large working area and high-precision motion control, making it ideal for continuous processing of diverse non-metallic materials. The system integrates seamlessly with standard design software, allowing for automatic parameter optimization and high-resolution output.

## Performance & Capabilities

### Key Features

- Large engraving area
- High-speed operation for mass production
- High-precision motion control
- Compatible with standard design software
- Automatic parameter optimization

### Performance Metrics

#### 500 S-Series

Model Series

## Applications & Materials

### Typical Applications

Clothing & Leather • Buttons • Eyewear • Crafts & Gifts • Electronics • Food Packaging • PCB Manufacturing • Nameplates

### Compatible Materials

Bamboo, Wood, Paper, Leather, Cloth/Fabric, Organic Glass, Epoxy Resin, Plastic, Rubber, Ceramics, Crystal, Jade, Glass, Artificial Stone

## Safety & Infrastructure

### Safety Features

- Enclosed laser chamber
- Emergency stop button
- Integrated cooling system