

# CO2 Laser Cutting and Engraving Machine

This CO2 laser cutting and engraving machine is designed for precision cutting and engraving on a variety of materials. It features a robust construction with a fully enclosed laser chamber for safety.



## ADDITIONAL IMAGES



## Overview

### Versatile Industrial Laser System

This high-performance CO2 laser cutting and engraving machine is engineered for precision processing of a wide range of non-metallic materials, including acrylic, MDF, wood, and leather. Featuring a spacious 1300 x 1000mm work area and an enclosed safety cabinet, it is an ideal solution for educational institutions and businesses requiring reliable, high-quality cutting and engraving. The system includes an industrial water chiller, air compressor, and extraction unit, ensuring consistent performance and safety during intensive production tasks.

## Technical Specifications

Working Area	1300 x 1000mm
Available Laser Power	80W, 100W, 120W, 130W, 150W
Max Cutting Thickness (Acrylic)	20 mm
Location Precision	<0.01mm
Machine Footprint	1910 x 1500 x 1180mm

## Performance Metrics

### Cutting Performance

Material	Thickness	Cutting Speed
Acrylic	20	2mm/sec
MDF	12	5mm/sec

Max Engraving Speed	200 mm/s
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## Compatibility & Software

### Operating System Support

- Windows XP
- Windows 7
- Windows 8
- Windows 10

### Design Software

Adobe Illustrator, AutoCAD, Corel Draw, 2D Design

### Supported File Types

.dxf, .plt

## Electrical & Mechanical

### Power Supply

220V/110V +/- 10%, 50Hz/60Hz

### Net Weight

320 kg

### Drive System

Leadshine Stepper Motors

## Included Accessories

### Standard Package Includes

- CW5200 Industrial Water Chiller
- 550W Extraction Fan Unit
- 2 x 1500mm Flexible Ventilation Hoses
- RD/Topwisdom Works Software
- 135W Air Compressor