

# CO2 Laser Cutting and Engraving Machine for Non-Metals

This laser machine is designed for processing non-metal materials. It features a robust construction, advanced control system, and user-friendly interface.



## Overview

### Part I: Machine Features:

There is big improvement on this model machine, including moving system and machine feature. The outline is more attractive, separated design is much easy for shipping and moving. Working efficient is much high more value reduce the user and save the cost. This machine provided to a warm welcome to the customers.

### Part II: Machine Parameter:

Machine Model:	1390
Working Area:	1300*900mm
Laser power:	80/100W, 80W/100W
Laser type:	CO2 sealed laser tube, water-cooled
Engraving speed:	0-6000cm/min
Cutting speed:	0-5000cm/min
Power supply:	220V/50HZ, 10V or 50HZ/60HZ
Control system:	ZT/UKI/DM5024
Graphic format supported:	DWG, DXF, DST, DWG, AI
Software supported:	CAD/CAM, PRO/ENGINEER, AUTOCAD, TAJIMA
Driving system:	3 precision stepper motor
Equipment Dimension:	1510*810*1100
Net Gross Weight:	420KG/930KG
Material:	Black or grey powder
Optional parts:	1.5KW/3KW/4.5KW/6KW/7.5KW/9KW
Applicable industries:	Metals, furniture, electronic components, coating, ventilation pipe, wood, cast-iron/signs, signs, displays, PCB, hardware, acrylic, compound materials, metal parts and nonmetal materials industry.
Applicable Materials:	Non-metal materials such as acrylic, wood, plywood, plastic, bamboo, slate, Double colored boards, paper, leather, paper, cardboard, acrylic, PVC, foam, resin, stone, granite, ABS, Bakelite, etc.

The 1390 model features an improved, separated design for easier transport and efficient operation.

## High-Efficiency CO2 Laser System

This CO2 laser cutting and engraving machine is engineered for high-precision processing of non-metal materials. It features an improved moving system and a separated design for easier transport and installation, helping to reduce labor costs and improve operational efficiency. With a robust 1300x900mm working area, it is an ideal solution for industries ranging from furniture and signage to crafts and prototyping.

## Technical Specifications

Model	1390
Working Area	1300 x 900 mm
Laser Type	CO2 sealed laser tube (water-cooled)
Laser Power	80W / 100W (REC1 W2)

## Performance Metrics

### Performance Speeds

**6000 cm/min**  
Engraving Speed

**5000 cm/min**  
Cutting Speed

## Physical Properties

### Weight

Type	Weight
Net Weight	420 KG
Gross Weight	530 KG

Equipment Dimensions	1.9 x 1.4 x 1.1 m
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## Compatibility

Graphic Formats	BMP, PLT, DST, DXF, AI
Compatible Software	CorelDraw, PhotoShop, AutoCAD, TAJIMA

## Applications

### Compatible Materials

- Acrylic
- Wood planks
- Bamboo ware
- Double colored boards
- Paper
- Leather
- Shells
- Coconut shells
- Oxe horns
- Resin animal grease
- ABS boards

## Certifications

### Compliance

CE • UDEM