

## >>> C Series CO2 Fly Laser Marking Machine



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#### Introduction

CO2 Laser Printing Machine for Non-metal is a type of gas laser machine with wave-length 1060nm. CO2 is filled in the sealed glass tube as the medium to radiate laser. Given high voltage, CO2 gas in the tube generates laser and after amplification laser beam with higher energy comes out. Galvanometer scanning system can change the path of the laser beams to guarantee high-speed automatic marking finished.

#### Performance

The software system has interfaced with Windows and comprises files output such as CORELDRAW, AUTOCAD, PHOTOSHOP, etc. It also support graphic file formats, for example, PLT, DXF, PCX or BMP etc. And use SHX, TTF fonts directly. Automatic code, sequence number, batch number, date, bar code and two-dimensional code are supported by the software as well as the opposite side figures marking.

#### Application

Co2 Fly Laser Marking Machines Majority of non-metal materials such as leather, cloth, wood, bamboo, paper, organic materials, plastic, epoxy resin etc.

This series Laser Marking Machines is suitable for online production electronic components, medicines, food, drinking package, leather products, rag trade, woodworks, craftworks and package.

#### Technical Parameters:

Laser Type: CO2  
 Laser Power: 10W/20W/30W/50W/60W/100W  
 Laser wavelength 10.64 μm  
 Laser repetition frequency ≤50KHZ  
 Marking area: 0-100mm(available customize)  
 Linear speed: 7000mm/s  
 Marking depth: 0.01-0.2mm(based on materials)  
 Min. character size: 0.30mm  
 Marking Line width: 0.04mm  
 Repetition accuracy: ±0.01mm  
 Cooling system: Air cooling or Water cooling system  
 Power consumption: ≤800W  
 Lifetime of Laser: >20000hours  
 Power supply: 100-240V/50/60 HZ  
 Using the environment:  
 temperature 10 to 40 °C,  
 humidity 45-85%,  
 no dust, no smoke, no corrosion,  
 no inflammable and explosive gases.