

# >>> LC Series Stationary CO2 Laser Marking Machine



## LC Series CO2 Laser Marking Machine

### Introduction

CO2 Laser Printing Machine for Non-metal is a type of gas laser machine with wave-length 10.64 μm. 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: > 20000 hours
- 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.