



Technical Parameter	
Model	HBS-CO2-30
Laser Power	≤30W 10W 55W 100W
Laser Wavelength	10640nm
Repetition Frequency	≤70Khz
Marking Area	110mm x 110mm
Making Depth	≤2mm (Adjustable with different material)
Marking Speed	≤7000mm/s
Min. Line Width	0.03mm
Min. Character Size	0.3mm
Repetition Accuracy	±0.001mm
Power Consumption	≤1.2kw
Power Supply	220V/50Hz/10A
Cooling Method	Air Cooled

Optional Lens

Focal Length	Marking Area
100mm	65mm x 65mm
250mm	175mm x 175mm

Product Introduction

- HBS CO2 Laser Marking Machine is specially designed for non-metallic materials marking. It is equipped with the original imported American CO2 laser and high-speed galvanometer with unique fully sealed cavity construction.
- The working principle: fill the discharge tube with CO2 gas as a lasing medium, when high voltage is applied to the electrodes, radiant discharge is generated in the discharge tube, causing the gas molecules to release the laser. After amplification, the laser beam is released for material processing. With computer controlling the galvanometer, the laser beam is adjusted for automatic marking.

Product Features

- High-precision marking, high speed operation, control marking depth freely.
- No pollution, no consumables.
- Marking software runs on WINDOWS XP platform, English or Chinese interface, compatible software such as AUTOCAD, CORELDRAW, PHOTOSHOP and various formats such as PLT, PCW, DXF, BMP etc. It can also directly access to SHX, TTF fonts library and able to work freely on graphic design.

Product Application

- Mainly used in non-metallic industry including tobacco, food and beverage, wine, pharmaceutical packaging, leather, plastics, polymers, wooden products, jade, agate and other non-metallic materials.

