



## CO2 LASER MARKING MACHINE HBS-CO2-30



### 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.

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



## ELECTRIC PORTABLE MARKING MACHINE HBS-380D



### Product Introduction

- The latest machine developed by the HBS, function without compressed air supply. It's a pioneer product in China with registered patents. The electromagnetic marking can be used anywhere as long as there is power supply. It can be equipped with battery in case of field work. Compared with pneumatic marking systems, noise level is lower.
- The portable marking head is ideal choice for marking on large-scale or heavy work pieces which is difficult to move.
- Fully off-line operation, user friendly interface, easy to use and simple to operate.
- Automatic marking of Chinese and English characters, running numbers, VIN code, bitmap font, 2D code, etc.
- Marking pin is made of typical hard alloy and marking on products with hardness up to HRC62.
- Anti-interference, strong resistance against radiation and well adapted for harsh environment work.
- Extremely low failure rate, less maintenance
- Low power consumption, low cost, low price



Technical Parameter	
Model	HBS-380D
Marking Area	30mm x 80mm
Marking Pattern	Line, Arc, Angularity Dot-Matrix,
Marking Depth	0.3mm (Adjustable with different material)
Marking Hardness	HRC62
Marking Speed	2 - 5 Characters Per Second
Power supply	AC220V ±10% 50Hz
COM Port	RS232, USB
Power Consumption	350W

### Marking Options

HBS-130D - 30mm x 130mm	HBS-6130D - 60mm x 130mm
-------------------------	--------------------------

### Packing Details

Size(mm)	620X290X460 (marking head: 138X100X50, controller: 235X185X190)
N.W.(kg)	8 (machine head: 3.6, controller: 4.4)
G.W.(kg)	10

