The CO2 Laser is a Gas Laser that marks non-metal (organic) materials such as wood, glass, plastic and packaging. The combination of excellent speed, high precision and absolute convenience leave this laser with no parallels.

µ The CO2 Laser is programmed to work through a PC.
µ With the software installed, a click on the “Mark” button activates the Gas Tube for the generation of a small but intense laser beam.
µ The scan head that receives the beam controls and accurately positions the beam to create the required markings.
µ The entire process of transferring the marked device from the laser chamber to the output media takes just a few seconds.
µ The metal laser tube has a long life of more than 20000 hours.

Features & Benefits

■ Ease-of-Use
Compact and low maintenance
Easy operation
Supports a variety of file formats (JPG, JPEG, TIF, PLT, DXF, DST, BMP, PNA and others)

■ Performance
Amazing versatility
High-precision marking up to 2 mm deep
Software supports all characters, numbers, codes & graphics

■ Security
Efficient water cooling system
The high-speed flow pump offers working stability

■ Reliability
Perfect for harsh environments
Sturdy metal laser tube (above 20000 hours life)
Easily replaceable metal laser tube
Aluminum alloy lifting work table

CO2 Laser Marking Machine: Metal Laser Tube (HS-CL)

Laser source
20W – HS-CL20
30W – HS-CL30
55W – HS-CL55

Marking area:
110 x 110 mm / 3.9 x 3.9 inches
Option: 175 x 175 mm / 6.7 x 6.7 inches
Option: 200 x 200 mm / 8.3 x 8.3 inches

Marking depth:
≤0.1 mm
depends on material
≤0.2 mm
depends on material
≤0.3 mm
depends on material
≤0.5 mm
depends on material

Wave Length:
1064±10nm

Mini Line Width:
0.8mm

Mini Line Characters:
≤9000mm/s

Repetitiveness:
±0.01mm

Power Supply:
AC220V±10% 50Hz or AC110V±10% 60Hz (optional)

Operation Temperature:
10-35°C

Compatible Systems / Formats:
Windows XP or 7 32bit/AI, PLT, DXF, DST, BMP, JPG, JPEG, PNA, TIF etc

RF Metal Tube Work Life:
More than 20000 hours

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