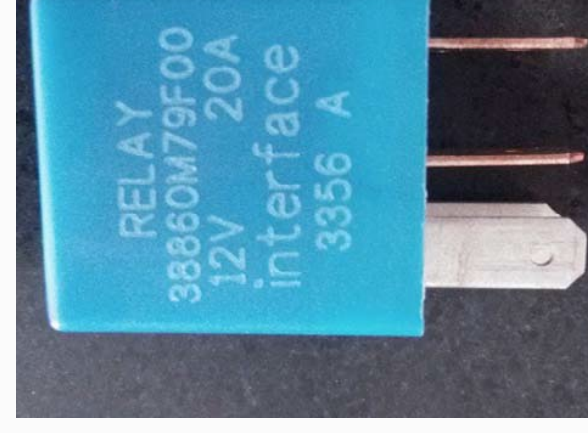


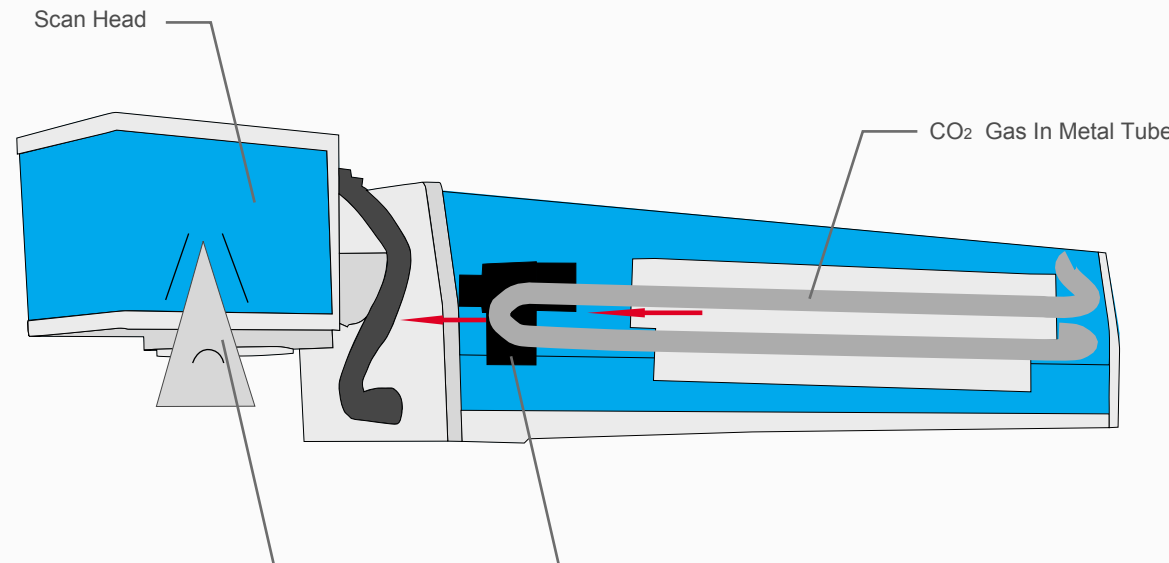
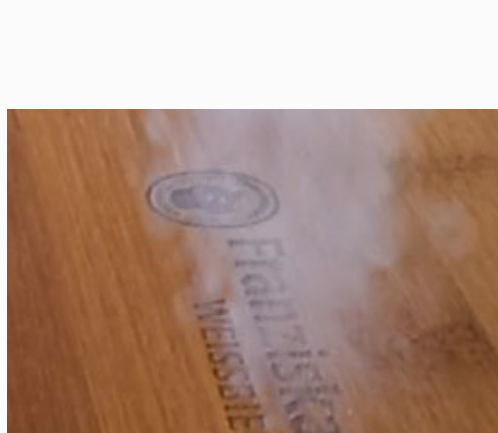
## CO2 Laser Marking Machine: Metal Laser Tube (HS-CL)

### Laser power range

10W (HS-CL10)  
30W (HS-CL30)  
50W (HS-CL50)

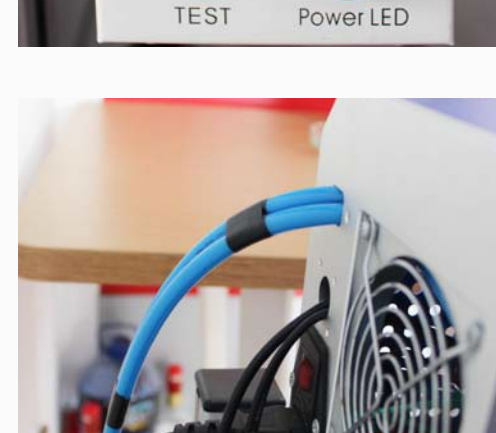
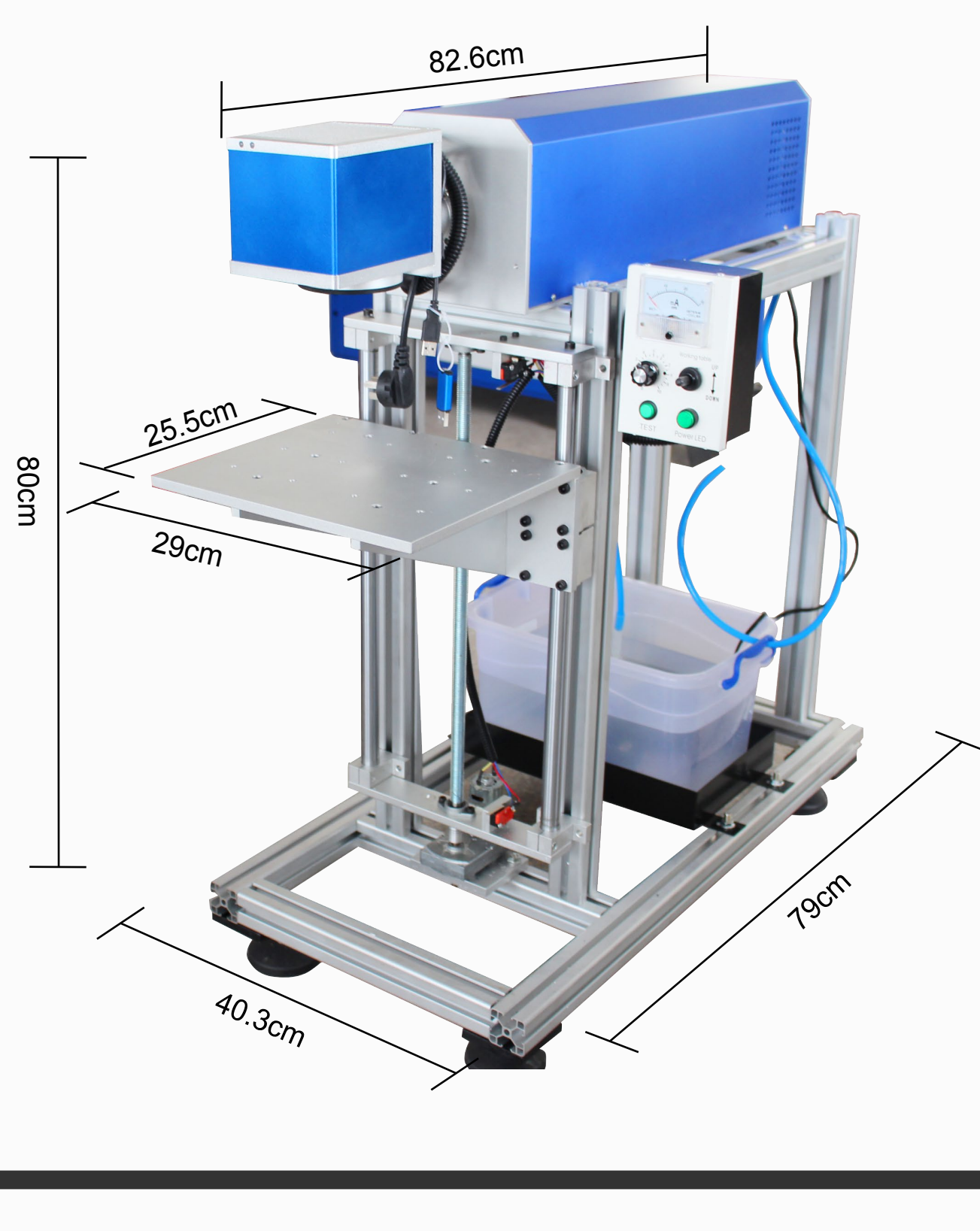


## CO2 Laser Marking Technology



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.

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



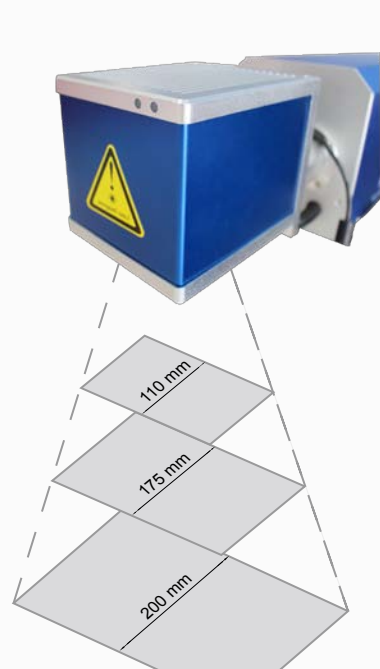
### Features & Benefits

This metal tube CO2 laser system offers superior marking for even the most demanding production lines.

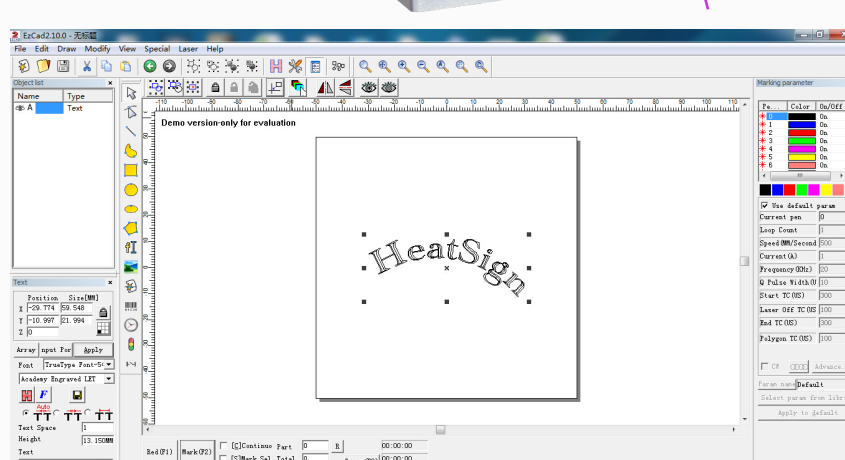
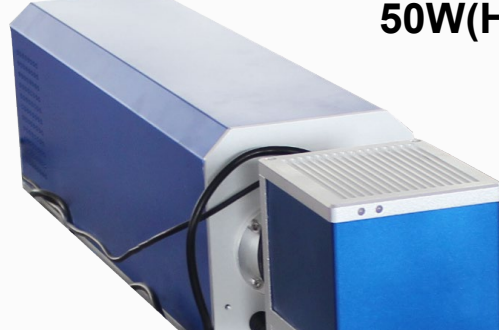
- **Reliability**
  - Perfect for harsh environments
  - Sturdy metal laser tube (above 20000 hours life)
  - Easily replaceable metal laser tube
  - Aluminum alloy lifting work table
- **Ease-of-Use**
  - Compact and low maintenance
  - Easy operation
  - Supports a variety of file formats (JPG, JPEG, TIF, PLT, DXF, DST, BMP, PNA and others)

- **Security**
  - Efficient water cooling system
  - The high-speed flow pump offers working stability
- **Performance.**
  - Amazing versatility
  - High-precision marking up to 2 mm deep
  - Software supports all characters, numbers, codes & graphics

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



Laser source 10W(HS-CL10)  
30W(KT-CL30)  
50W(HS-CL50)



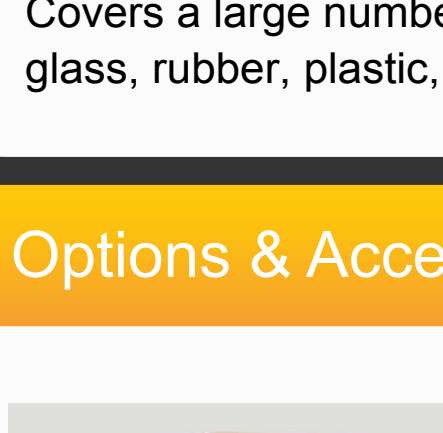
| Model                       | HS-CL10   | HS-CL30                       | HS-CL50                       |
|-----------------------------|---|-------------------------------|-------------------------------|
| Power Output                | 10W   | 30W                           | 50W                           |
| Standard Marking Area       | 100mm x 100mm   |                               |                               |
| Optional Marking Area       | 150mm x 150mm/200mm x 200mm/250mm x 250mm/300mm x 300mm               |                               |                               |
| Marking Speed               | ≤9000mm/s   |                               |                               |
| Wave Length                 | 1064±10nm   |                               |                               |
| Repeated Accuracy           | ±0.01mm   |                               |                               |
| Mini Line Characters        | 0.8mm   |                               |                               |
| Mini Line Width             | 0.1mm   |                               |                               |
| Marking Depth               | ≤2mm<br>(depends on material)   | ≤4mm<br>(depends on material) | ≤5mm<br>(depends on material) |
| Power Supply                | AC220V±10% 50Hz or AC110V±10% 60Hz(optional)                          |                               |                               |
| Operation Temperature       | 10-35°C   |                               |                               |
| System / Compatible Formats | Windows XP or 7 32bit/AI, PLT, DXF, DST, BMP, JPG, JPEG, PNA, TIF etc |                               |                               |
| Glass Tube Work Life        | About 20000 hours   |                               |                               |

## Application and Marking Samples

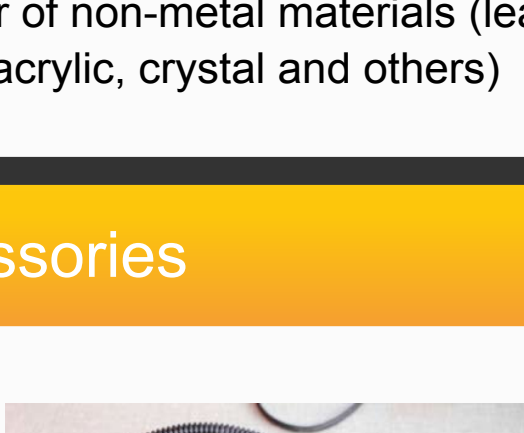


Covers a large number of non-metal materials (leather, cloth, wood, bamboo, paper, glass, rubber, plastic, acrylic, crystal and others)

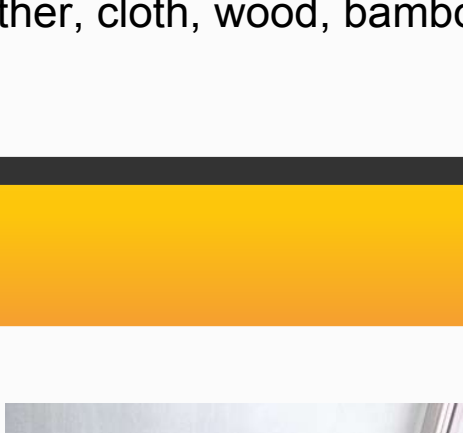
## Options & Accessories



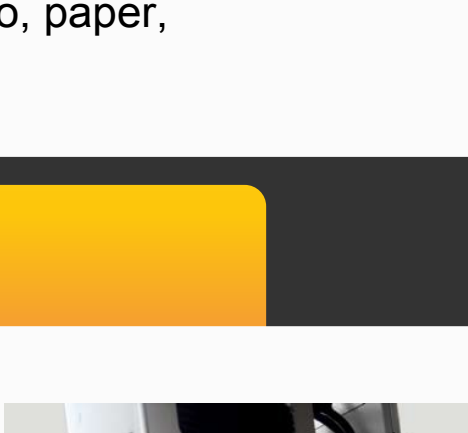
Rotary device  
Marking circles



Foot switch  
Improved efficiency



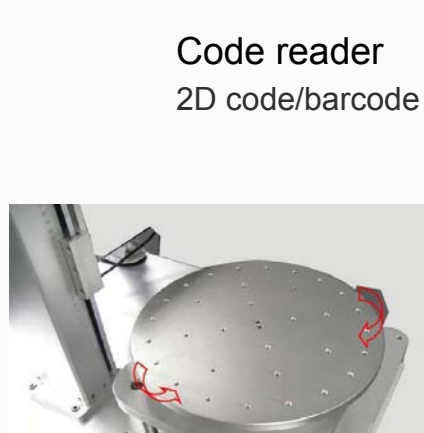
Code reader  
2D code/barcode identification



LED light focus  
Easy focus height indication



Frame protection system



Automatic round table



Production marking line