



acejet™

CO₂ Laser Marking Machine

Simple all-in-one design ensures smooth integration into your production line, intuitive user interface and built-in channel, which can significantly reduce operator training and allow you to quickly master.

Why Laser Marking Machine.

- Clean. Lasers use green technology with no waste and no risk of ink spills.
- Versatile and reliable. With fast and precise printing in both micro and large formats.
- Easy to use. Anyone can quickly learn to control a laser.
- Permanent mark. Ideal to avoid counterfeiting and to ensure brand protection.
- Cost-effective & consumable free operation. The laser will have cost less than an inkjet.



Ace Finepack Private Limited
Pullepady Jn., Chittoor Road, Kerala, India, Kochi 682035

+91 80868 30370 | +91 484 2353855 | +91 484 2362948 | +91 484 2372124
Info@finepackindia.com | www.finepackindia.com | finepackindia



Specifications

Basic Parameters

- ✦ Laser power: 240 W
- ✦ Laser type: Sealed-off modulated-pulse CO2 RadioFrequency laser
- ✦ Wavelength: 10600 nm, (Optional 10200nm or 9300nm)
- ✦ Cooling method: Air Cooling

Marking Characteristics

- ✦ Production line speed: Maximum speed up to 120m/min (Single line font, 2mm height)
- ✦ Marking lines: Unlimited within the marking range
- ✦ Character height: 0.3mm to the maximum marking range
- ✦ Marking type: Text, time, counter, random code, logo, barcode, QR code, image, external data
- ✦ Font type: TTF standard font library
- ✦ Support graphics format: PLT/BMP/DXF/HPGL/JPEG (Marking Format: PLT)
- ✦ Marking range: 110x110mm*
- ✦ Focal length: 150mm
- ✦ Working distance: 155mm
- ✦ Operating system: Linux
- ✦ Support language: English, German, Chinese etc, customizable local language
- ✦ Screen: 10 inch touch screen
- ✦ Marking software: Star Dance laser marking software
- ✦ Processing method: Synchronous speed, simulation speed, static marking
- ✦ Scan head: Zbt scanning head, (Marking speed: 2m/s, Positioning speed: 10m/s)
- ✦ Focusing method: Manual adjustment of double red dot focus
- ✦ Machine material: Sandblasted and oxidized all-aluminum structure

Weight and Dimensions

- ✦ Machine net weight: Laser machine part: 13kg, flight stand part: 30kg
- ✦ Installation size: 650*550*1420mm
- ✦ Device link cable: All-in-one design, no extra cables

Input/Output

- ✦ Product speed monitoring: Synchronizer or synchronization signal
- ✦ Product detection input: NPN / PNP / 12V sensor
- ✦ Transfer port: RS232, USB, Network Port
- ✦ Power requirements: Single phase, 100-110V/220-240V, 50/60Hz, <700W

Environmental Requirements

- ✦ Ambient temperature: 5°C-40°C
- ✦ Ambient humidity: <90% RH, Non-condensing

Optional

- ✦ Marking range: 70, 140, 175, 210, 300 (Ratio: 1:1, Unit: mm)
- ✦ Smoke purify machine: Air volume: 250m/h, Purification efficiency: 0.3 m 99.99%

All the above data will depend on the material and marked content



Easy to start & simple to Run

- All-in-one design for fast installation and line changes eco friendly
- Easy to use touchscreen software built right into controller
- Built-in- visual rejection communication protocol, users can choose this function. Seamless integration.
- Data communication is carried out through the serial port or the network port, and comes with a single machine dual machine code sending software



Reliable to use and economical

- No ink / consumables for lower cost of ownership
- Sandblasted and oxidized all-aluminum structure
- The whole controller can reach IP55 protection grade and the surface can reach IP65 protection grade
- Laser head can be rotated 90 degree in less than 5 minutes



High Quality Coding

- Industrial High Precision Laser Marker.
- The Laser Printing Marking Machine can use for intricate drawings, including logo, graphic arts, figures, scale, characters, words
- Laser coding can be used where CIJ systems are not practical
- 10600 nm system available for coding PET bottles for the beverage industry



Suitable for high quality data matrix codes



Laser Marking for clear codes on PET and PP bottles.



Laser Marking for clear codes on aluminium cans.



Laser Marking for clear codes on glass bottles.