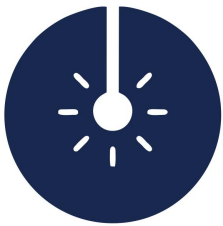


CO2 LASER MARKING MACHINE



carbonised
stripped coatings



PET blistering



PRODUCT DESCRIPTION

High-quality encoding on different materials

CO2 lasers are gas lasers that use carbon dioxide gas as a medium for product marking. Scribing speeds of up to 9 metres per second (final speed depends on the material and the content of the mark) are ideally suited to delivering consistently high quality coding on a wide range of materials including cardboard, glass, metal coatings, paper labels, PET and other plastic materials.

The CO2 laser marker range offers a wide range of wavelength options to help find the ideal solution to meet the needs of the actual application.

9.3 micron: particularly suitable for marking on PET plastics, typically beverage products.

10.2 micron: Suitable for laminating cartons commonly used in many cosmetic and pharmaceutical applications. 10.6 micron: Suitable for most standard consumer packaged goods applications such as paper, plastic, wood products and glass.

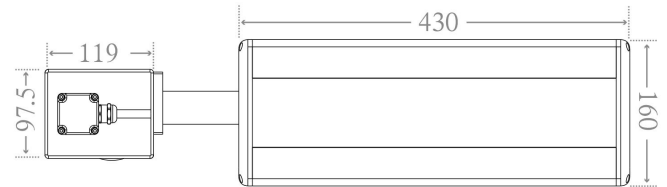
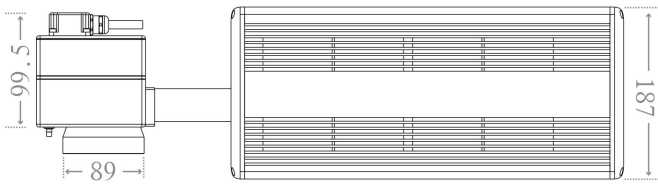
PRODUCT ADVANTAGE

- The air-cooled laser source is virtually maintenance-free, dramatically reducing downtime;
- Longer life of the laser source, with 40,000 hours of Mean Time Between Failure (MTBF).
- Standard 100*100 marking area, as well as high marking accuracy and edge sharpness for higher throughput;
- Standard IP54 protection class, able to sustain stable operation in dusty and humid harsh environments.
- A variety of working distance options, 0~360 printhead mounting direction, production line integration more flexible.

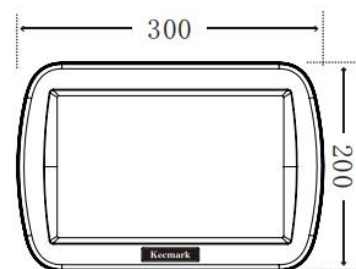
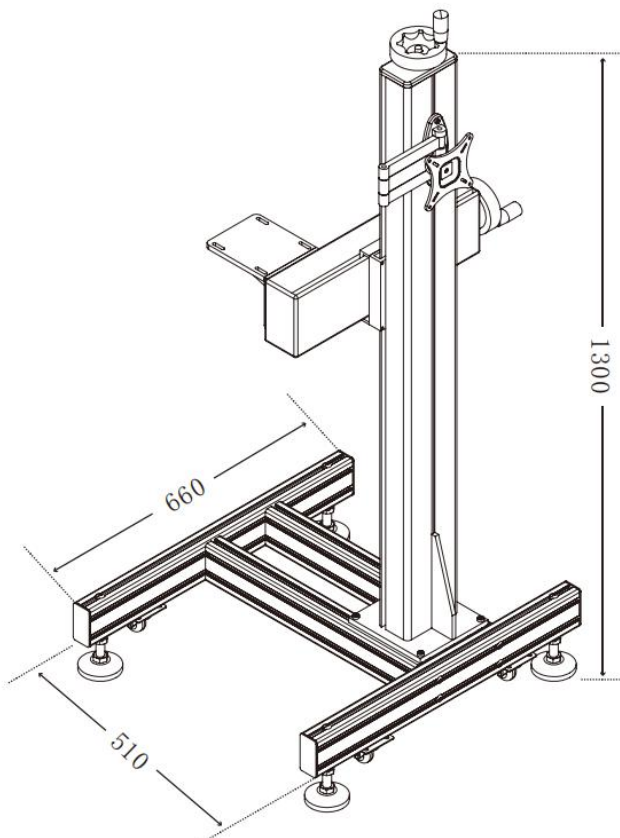
PRODUCT MIX



PRODUCT SIZE



lasers



bracket

touch panel

PRODUCT PARAMETERS

Lasers	Sealed CO2 RF Laser
Power	30W
Laser wavelength	9.3μm/10.2μm/10.6μm
Repetition rate	0-25KHz
Radiation field	4x (customisable)
Laser class	Class 4 laser products ~ IEC60825-1 compliant
Marking direction	0-360°
Marking area	Standard 110*110mm (can be customised)
Scribing speed	Up to 20m/s
Working distance	165mm
Spot size	1.8mm (±0.2mm)
Marking content	1D, 2D barcodes, icons, Chinese, English and numbers
User interface	10' full colour touch screen
Communication interface	RJ45、RS232、RS485、USB、SD card
Rated voltage	200~240V 50/60Hz
Power of the whole machine	≤300W
Weight	16.5kg
Cooling method	Air cooling
Protection class	IP54(customisable)
Environmental temperature	5-40°C
Humidity range	Relative humidity <90%, non-condensing

STANDARD ACCESSORIES

- Touch panel
- Power cable
- Photoelectric sensors
- Lifting bracket
- Signal cable
- Encoders



APPLICATION SCENARIO



● Conveyor

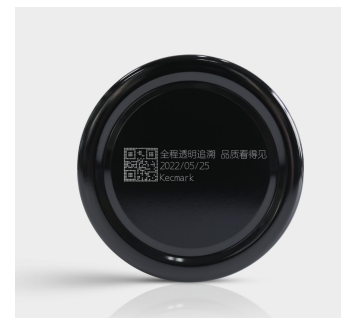


● Slitter



● Labelling machine

MARKING EFFECT





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