Dishaa®

LASER MARKING MACHINE

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CO2 Laser Marking Machine with RF Metal Tube

Applicable Fields

Popular for non-metal materials marking, widely used in leather, wood, textile, plastic, signage, packaging, crafts, electronics, communications devices, watches, glasses, printing, decoration areas, etc.

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LASER MARKING

Equipment Advantages

1. It adopts imported or high-quality domestic CO2 RF laser source, which has better beam quality, high photoelectric conversion rate and good performance.
2. High engraving precision, clear marking machine, not easy to wear, fast marking speed, stable performance, no consumables for equipment.
3. Long working life, stable laser output, suitable for industrial long term continuous work, and can be refilled with gas continuing to use.
4. Support PLT, PCX, DXF, BMP and other documents, directly use SHX, TTF fonts, support automatic coding , serial number, batch number, date, barcode and QR code marking, software has graphic anti-play function.

Technical Parameters

Model	DX-30S	DX-60S	DX-100S
Laser power	30W	60W	100W
Laser wavelength	10.64um	10.64um	10.64um
Repeat frequency	≤70KHz	≤70KHz	≤70KHz
Marking speed	≤7000mm/s	≤7000mm/s	≤7000mm/s
Minimum font	+/-0.4mm	+/-0.4mm	+/-0.4mm
Repeat positioning accuracy	±0.01mm	±0.01mm	±0.01mm
Control system	Internal air cooling or outer water cooling	Internal air cooling or outer water cooling	Internal air cooling or outer water cooling
Power supply	AC 110V/220V ±10%,50HZ	AC 110V/220V ±10%,50HZ	AC 110V/220V ±10%,50HZ
Whole power	1500W	1500W	1500W

Sample Display



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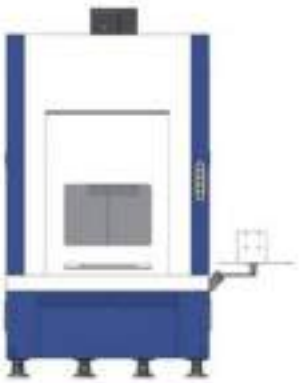
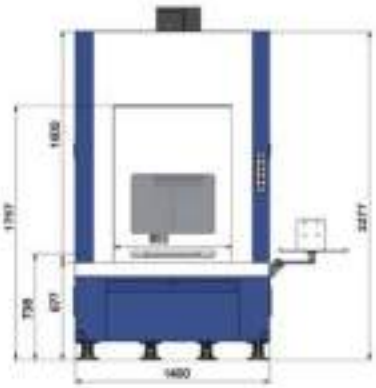
COMPLETE FACTORY SET-UP TURNKEY SOLUTIONS

LASER MARKING

Large Format Dynamic CO2 Laser Marking Machine with RF Metal Tube





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LASER MARKING

Equipment Advantages

1.Suitable for large-area engraving marking of various non-metallic materials; layered setting, perfect combination of surface engraving, hollowing and cutting.
2.It can be applied to the cutting of soft and low-density sheets. It has strong laser energy, fine beam and small mechanical stress.
3.Ideal for marking rolled fabrics, marking on jeans to get different marking effects and flying marking.
4. Fully enclosed optical path, imported CO2 RF laser and strict multiple control design.

Applicable Fields

Ideal for marking rolled fabrics, marking on jeans to get different marking effects and flying marking.

Technical Parameters

Model	DXF-1212/16110
Process area	1200*1200mm , 1600*1000mm
Laser power	100W-600W optional
Laser wavelength	10640nm
Laser type	RF sealed laser generator imported from US
Lens	Laser conductive lens full set imported from US
Cooling system	Professional industrial forced water-cooling system
Marking speed	0-7000mm/s
Laser energy control	0-100% software setting
Minimum font	1.8mm
Minimum character space	0.4mm
Positioning accuracy	≤ +0.01mm
Control software	Chanxan dynamic control system
Support format	Photoshop,coreldraw,autocad,plt,ai,bmp,dxf,shx,ttf
Auxiliary device	Exhaust fan and exhaust pipe
Power supply	AC 110V/220V ± 10%, 50HZ/60HZ
Working environment	Temperature:1-45℃, Humidity:5-95%
Optional configuration	Honeycomb table or auto feeding system

Sample Display



LASER MARKING

UV Laser Marking Machine

Applicable Fields

Suitable for high-end market for ultra-fine processing such as mobile phones, chargers, data cables and pharmaceutical packages, cosmetics packages and polymer materials surface making. Also it can be used for marking of flexible PCB boards, dicing; micro-holes and blind holesfor silicon wafers, LCDQA code marking, glassware punching, metal surface marking, plastic buttons, electronic components, gifts, communication equipment, building materials marking, etc.

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LASER MARKING

Equipment Advantages

1.The heat-affected zone is extremely small, avoiding deformation, damage or charring of the material to be processed and the yield is high.
2.Applied on various materials to make up shortcomings of fiber laser or CO2 laser marking.
3.High photoelectric conversion rate, 355nm output wavelength, beautiful engraving effect, good touch feeling, high anti-counterfeiting effect.
4.Products are widely used in micro-machining, fine engraving of various metal and non-metal film materials.

Technical Parameters

Model	DX-03Z/08Z/10Z
Process area	100*100mm
Laser power	3W/8W/10W optional
Laser wavelength	355nm
Laser type	808nm semiconductor pumping source
Lens	Laser lens imported from US
Cooling type	Professional industrial thermostat system
Marking speed	500 characters/sec
Laser energy control	0-100% software setting
Minimum font	0.1mm
Minimum mark line-width	0.01mm
Repeat positioning accuracy	±0.001mm
Whole power	1.5KW
Power supply	AC 110V/220V ± 10%,50HZ/60HZ
Working environment	Temperature:1-45℃;Humidity:5-95%
Dimensions	900*1000*1600mm

Sample Display

LASER MARKING

Large Format Laser Marking Machine

Applicable Fields

It is applied to large format, large-size whole format marking, ruler scale, elevator, sanitary ware, billboard, etc.

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LASER MARKING

Equipment Advantages

1.Good marking effect. The high-quality laser source guarantees high-quality beam quality, and the marking effect is very delicate.
2.Deep marking. It can meet the needs of deep marking, the deepest can reach 0.5mm (depending on the material) which can meet most of the needs.
3.High marking accuracy:splicing marking accuracy can reach ±0.005mm
4.Long service life. The fiber laser source can reach 100,000 hours, and the machine can be used for 3 to 5 years.
5.No consumables, no pollution, energy saving and environmental protection, compliance with European environmental protection standards.
6.No need to adjust the light path. The optical path system has been debugged before leaving the factory and it is a closed optical path structure without subsequent adjustments.
7.Low cost and low power consumption.

Technical Parameters

Model	DS-1325
Average output power	100W (Optional)
Marking line speed	≤7000mm/s
Marking size	1300*2500mm (Can be customized on demands)
Minimum character height	0.2mm
Marking repeatability	<24 μrad
Marking depth	0.3mm (Depends on the material)
Minimum line width	0.06mm (Depends on the material)
Power supply	AC 220V 50KHz
Motor	Stepper motor/servo motor (optional)
Positioning accuracy	0.05mm
Repeatability	±0.01 mm
Displacement speed	100～300mm/s

Sample Display