

Large Format Co2 3D 100w Laser Marking Machine



Large Format Co2 3D 100w Laser Marking Machine adopts a high-quality 3D vibration lens, powerful software, and fine spot, can be used in a wide range of wood, paper, sharp tools, and other industries.

1. Product Introduction

SUNNA Large Format Co2 3D 100w Laser Marking Machine can effectively solve the problem of astigmatism and focus at the starting point; using grid format correction, higher precision, more accurate size; new digital control, faster response, 35% higher than the same period last year; better uniformity, effectively solve the problem of sawtooth; the light spot can reach 0.32mm within the range of 500mm; the whole sheet metal integrated structure makes the platform more stable and saves space.

1--Large Format Co2 3D 100w Laser Marking Machine adopts the pre-focusing system, equipped with high-speed and high-precision galvanometer, combined with the 3D special software and control system, to perfectly realize the fine processing of any curved workpiece without defocusing;

2--By using 30mm the system makes the processing width larger, and the focusing spot is reduced to maximize the utilization of the peak energy of the laser, making the processing efficiency and quality better than the traditional 2D marking machine.

2. Product Parameter (Specification)

Model	SN-F
Marking Area	300*300mm/400*400mm/500*500mm/600*600mm
Laser Power	RECI W2/W4/W6/W8
Worktable	Aluminum Honeycomb Worktable
Wave Length	10.64μm

Repetition Frequency Range	20HZ-200KHZ
Output Beam Diameter	±0.5mm
Power Range	0-100%
Laser Module Life	>20000 hours
Engraving Depth	Adjustable according to materials
Marking Format	Graphics, text, bar codes, QRcode, automatically date, batch number, serial number, etc.
Graphic format supported	PLT, DXP, BMP, JPG, AI etc
Computer System	WINDOWS XP/Win7/8/10 32/64bits
Minimum Character	0.15mm
Minimum Linear Width	0.1mm
Cooling way	Water Cooling
Maxi Marking Speed	≤7000mm/s
Data Transfer:	USB transmission
Control System	Marking Mate
Software Character	Integrated Function of Dotting Design, Vector Drawing, Marking, Scribing and Cutting
Power Consumption	≤ 5 kWh
Power Supply	220V±10% 50HZ or 110V±10% 60HZ
Package Weight/dimension	200KG/206*82*117CM
Option Accessories	Rotary/F-theta scan lens/Laser protection glasses/Smoke purify system

3. Product Feature and Application

Feature of Large Format Co2 3D 100w Laser Marking Machine

1--Stable laser output,fast marking speed, strong cutting ability, high precision.

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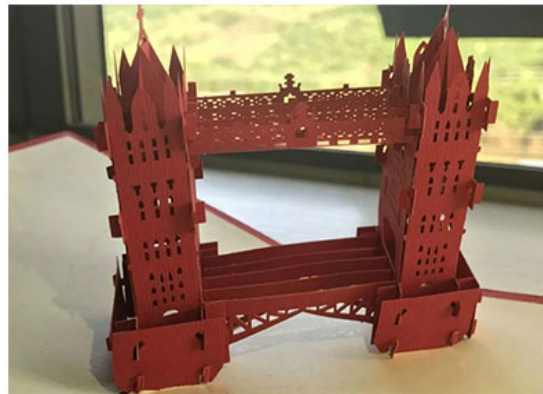
2--Optional motorized Z to get best laser spot and laser intensity for different marking area size.

3--3D dynamic galvanometer system, fast marking speed, bigger working range.

4--With red light locating system, ensuring processing accuracy, minimizing production wastes. Marking area can be adjusted according to different precision requirements.

Application

The high-performance optical transmission system coupled with the excellent optical mode enables the machine to engrave and mark a variety of materials, such as: marble, wood, glass, leather, textiles, paper, plastics (acrylic, acetate, synthetic fibers, PE, PT, PVC) and other materials. The good optical quality also brings an important property of being able to mark on metal surface coatings such as: anodized aluminum materials and metal stainless steel, etc., in addition to cutting on thin materials such as paper, leather, textiles, denim jeans, acrylic, wood, etc.



4.Product Details



After Sales Service:

1.All of laser marking machine will be fully-checked by our quality control department before the shipment.We guarantee all of our laser marking machines have a two -years warranty.

2.Training details: operation principles, system and structure, safety and maintenance, software the processing technique, and so on.

3. Numerous feedback from our clients have proven that our laser machines are stable in performance with rare malfunction. However, we would like to handle it as follows function occurs:

a.We guarantee that we will give you a clear reply within 24 hours.

b. Customer service staff will assist and guide you to analyze the malfunction in order to locate the cause.

c. If the malfunction is caused by improper operation on software and other soft faults, we will help solve the problem on line.

d.We will offer plenty of online supports, just like detailed technical and installation instructions by email,video, telephone. (Training by team viewer)

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4.Maintain Fiber Laser Marking Machine

In addition to the need for stable voltage, regular cleaning of the focus lens,and it does not require any maintenance.

SUNNA is committed to laser machines, engraving machines, plasma cutting machine research and development, production and sales, and support OEM. If you have the corresponding market demand, you are very welcome to cooperate with SUNNA, it will be a valid investment.