



3D Dynamic Co2 Laser Marking Machine for Denim Fabric

3D Dynamic Co2 Laser Marking Machine for Denim Fabric as a high-power Dynamic focusing equipment, large working area, fast speed, small spot, widely used in leather, clothing, and other industries Marking or cutting. The equipment is equipped with a professional honeycomb cutting platform to ensure the timely discharge of soot.

1. Product Introduction

The traditional 2D laser marking adopts the back focus mode, which is generally only within the specified plane marking range. The advent of the new 3D laser marking machine solves the inherent shortcomings of the 2D laser marking machine. SUNNA 3D Dynamic Co2 Laser Marking Machine for Denim Fabric machine adopts advanced pre-polymerization method, adopts dynamic focusing seat, adopts optical principle and candle imaging principle, and changes the focal length through software control and moving dynamic focusing mirror. The laser beam realizes precise surface marking of objects of different heights and heights.

3D dynamic CO2 laser marking machine is specially designed for the demand of small laser spot, bigger working size and high flexible laser scanning. widely used in leather pattern carving, leather hollowing, invitation card marking, wood craft laser marking, jeans cloth pattern marking and other other nonmetal laser marking process.

2. Product Parameter (Specification)

Model	SN-F
Marking Area	300*300mm/400*400mm/500*500mm/600*600mm/800*800mm
Laser Power	RECI W2/W4/W6/W8
Worktable	Aluminum Honeycomb Worktable
Wave Length	10.64μm
Repetition	20HZ-200KHZ

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Frequency Range	
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 3D Dynamic Co2 Laser Marking Machine for Denim Fabric

1--This machine adopts 3D Dynamic Galvanometer Control System. Laser power supply and cutting speed can be adjustable, maximally energy saving.

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2--Reci Glass laser tube with high laser power, excellent laser spot, stable laser generation and lifetime of more than 10000hrs.

3--Large-scale marking engraving cutting dotting and hollowing on leather, shoe, denim, jeans, textile, fabric, invitation paper card, wood, MDF, acrylic, marble and more flexible materials.

4--Equipped with foot switch for easy operation. Back and bottom exhaust fans ensure good exhaust suction effects and environment friendly processing.

5--High precision and speed performance with cutting&engraving working, 20% higher efficiency than the similar models in the market.

6-- Professional industrial thermostatic circulation of water cooling system ensures more stable running and lower consumption.

7--Strict multiply protection control system can be applied in wild operation temperature, to make sure the stable continuous working of 24h of laser marking system.

8--Multifunctional MarkingMate marking software, various formats are supported according to your requirements. Application under Windows interface, AutoCAD, CorelDraw, Photoshop compatible, PLT, DXF, BMP, AI ect.

Application

3D Dynamic Co2 Laser Marking Machine for Denim Fabric is used for engraving leather,wood,fabric, textile, jeans, wood, MDF, plywood, bamboo, plastic, acrylic, and glass. Especially applies RBI marking with light guild plate or acrylic, and cutting&engraving with leathers, jeans, textile, wood, MDF, acrylic and shoe insole.



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)

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 OEM. If you have the corresponding market demand, welcome to contact us.