



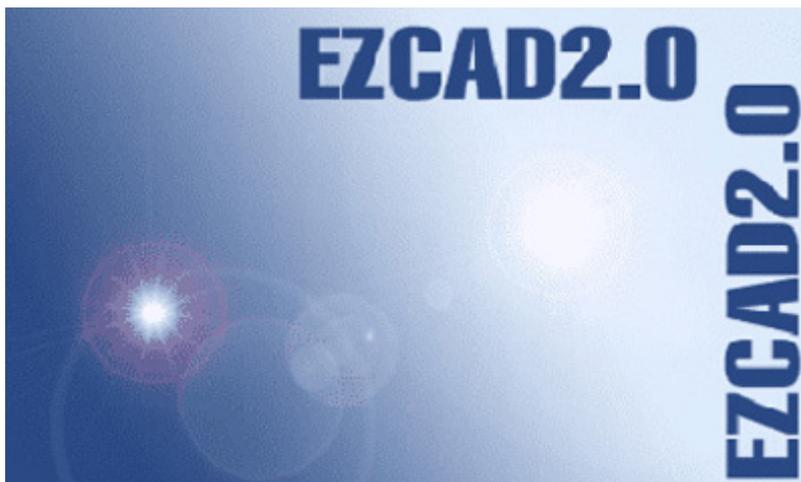
## **Co2 RF Laser 100w Marking Machine**

Co2 RF Laser 100w Marking Machine supporting production line operation, greatly improving production efficiency.

### **1. Product Introduction**

SUNNA Co2 RF Laser 100w Marking Machine adopts CO2 RF laser, with a life span of 20,000-40,000 hours, fast marking speed, and fine lines. The matching production line operation greatly improves production efficiency. It is suitable for marking most non-metallic materials, such as paper packaging, plastic products, label paper, leather fabrics, glass ceramics, resin plastics, bamboo and wood products, PCB boards, etc.

Co2 RF Laser 100w Marking Machine system can mark almost all materials except metal, long life, preferential price brings customers lower cost and more benefit.



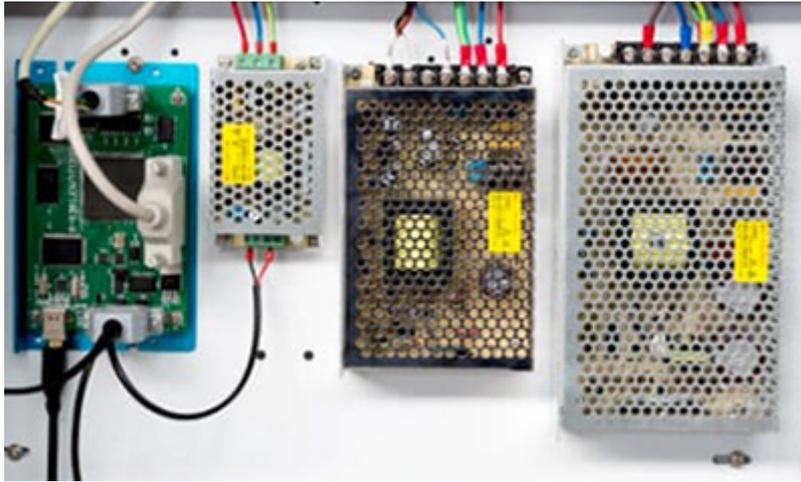
#### **Laser Marking System EZCAD**

The co2 laser marking machine uses China's most powerful marking system software EZCAD to provide customers with more functions and Easier to use.

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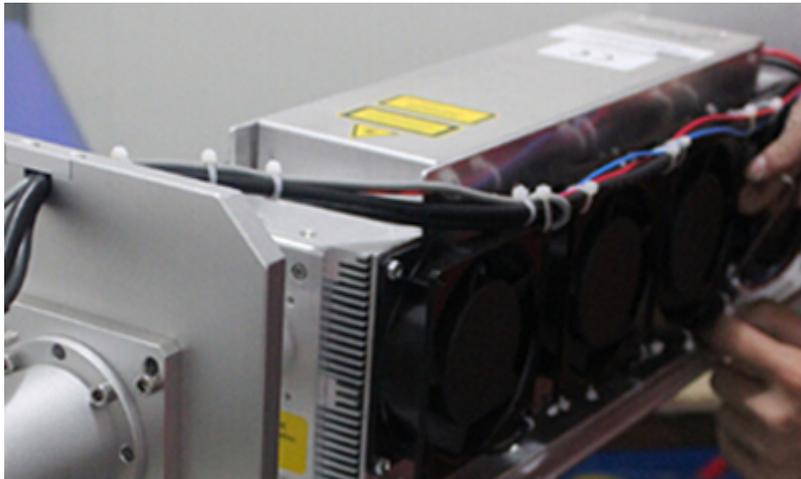
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### **Modular Production**

The co2 laser marking machine is easier to be assembled with fewer components, more stable operation, lower failure rate and longer service life.



### **Laser Source**

The laser source of laser marking system can work for more than 50,000 hours. It can be inflated again and has a longer service life.



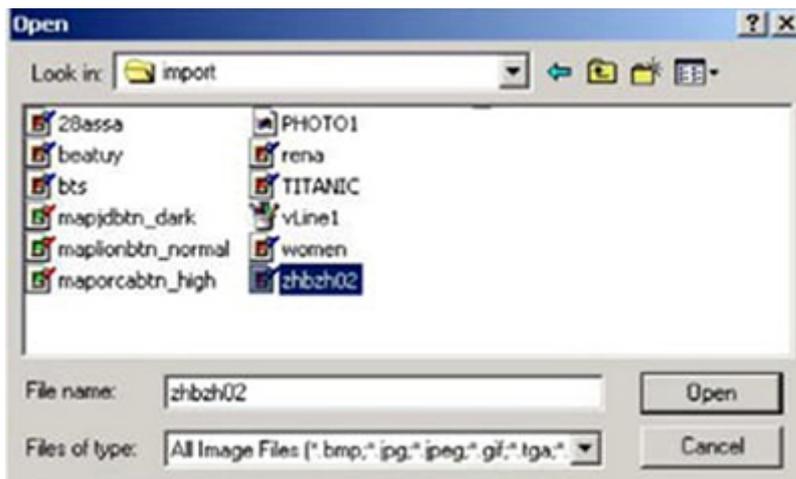
### High-speed Galvanometer

Marking speed of laser marking system is faster, reducing marking time and improving work efficiency, speed up to 7000mm/s.



### Preferred Lens

Co2 RF Laser 100w Marking Machine use higher concentration, smaller size, thinner beam and more powerful energy.



### Good compatibility

Good compatibility with software such as Photoshop , CAD,coreldraw and so on. Supports most such as GPG, PLT bitmap and vector image formats.



### Cooling System

Co2 RF Laser 100w Marking Machine using water-cooled system takes up less space and easier to use.

## 2. Product Parameter (Specification)

Model	SN-F
Marking Area	110*110mm/150*150mm/175*175mm/200*200mm/300*300mm
Laser Power	100W Metal RF Tube
Worktable	Fixed high quality aluminum worktable
Wave Length	10.6μm
Fiber Cable Length	3M
Repetition Frequency Range	20-100KHZ
Response time	0.5ms
Engraving lines	1-10 lines(in the engraving area)
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	Ai, plt, ;dxf, dst, svg, nc, bmp, jpg, jpeg, gif, tga, png, tiff, tif
Computer System	WINDOWS XP/Win7/8/10 32/64bits
Minimum Character	0.15mm
Minimum Linear Width	0.1mm
Cooling way	Air Cooling/Water Cooling
Maxi Marking Speed	8000mm/s
Data Transfer:	USB2.0 transmission
Control System	EZCAD Offline Controller
Compatible Software	CorelDraw, AutoCAD, Adobe Illustrator, Cadian
Total Power	500W
Power Supply	220V±10% 50HZ or 110V±10% 60HZ
Package Weight/dimension	150KG/106*66*76CM
Option Accessories	Rotary/F-theta scan lens/Laser protection glasses/Smoke purify system

### 3. Product Feature and Application

Co2 RF Laser 100w Marking Machine is a gas laser with CO2 as laser medium and wavelength near 10.6um. When high voltage is added to electrodes, discharging through the cavity will excite CO2 molecules and produce 10.6um laser radiation. The laser can be directed to process materials.

- 1). High precision marking, swift, engraving depth controllable.
- 2). Applied on most of non-metal material.
- 3). Excellent beam quality, high photoelectric conversion efficiency, good performance and can be competent at fine processing.
- 4). Windows interface adopted, compatible with CORELDRAW, AUTOCAD, PHOTOSHOP, etc.
- 5). Support PLT, PCX, DXF, BMP and other formats, execute SHX, TTF font directly, support automatic code, serial number, batch number, two-dimensional bar code marking, and garphic anti marking function available.

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## Application

Co2 RF Laser 100w Marking Machine applicable for so many materials like bamboo, coconut shell, paper, plexiglass, PCB board, acrylic, rubber, marble, granite, jade, crystal, leather, fabric and so on the vast majority of non-metallic materials. It was used in craft gifts, advertising decoration, toys, electronic appliances, clothing, medicine, food, paper products and other industries.

## 4.Product Details

- \* All set imported metal sealed laser system, easy to install and operation.
- \* High precision, high speed, marking clear, strong permanent
- \* Low power consumption, cost effective and long life, convenient to maintenance.
- \* Integrated and compact structure
- \* Imported metal tube, stable and long life.
- \* Versatile marking software is compatible with Coreldraw,AutoCAD,Photoshop.
- \* Support PLT, DXF, BMP, PCX, JPG, common vector and bitmap graphics, date marking supporting, serial number, bar code, 2D code, incrementing serial No., automatic jump codes, etc.
- \* Excellent for long-lasting operation
- \* No pollution and consumption

## 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.

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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)

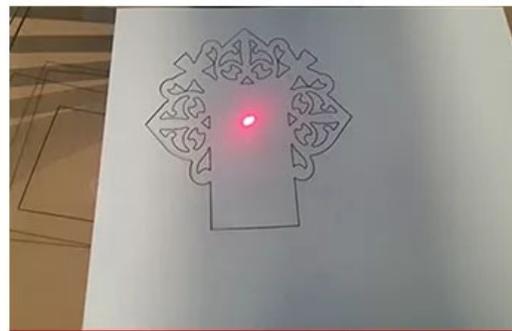
#### 4. Maintain Fiber Laser Marking Machine

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

## Application



Wood



cut paper crafts



MDF



MDF



MDF



Glass

SUNNA attracts investment from all over the world. We provide complete technical flow products and advertising marketing, support OEM, and look forward to cooperating with you to achieve a win-win situation as soon as possible.

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