

## 1390 Co2 Laser Engraving and Cutting Machine



SUNNA 1390 co2 laser engraving and cutting machine is the most popular desktop laser machine on the market. The compact design has won unanimous praise from many customers, mainly used for non-metallic materials such as acrylic, PVC, rubber sheet, plastic, crystal, glass, wood, bamboo, horn, statue, marble, leather, cloth, two-color board and so on.

SUNNA 1390 co2 laser engraving and cutting machine is equipped with a machine guard, which not only ensures the safety of the workers, but also avoids contamination in the production process. In addition, the protective cover can also be removed to meet the needs of different customers.

## Product characteristics of SUNNA 100w laser engraving machine

SUNNA1390 series laser engraving machine is an engraving model developed to facilitate the engraving needs of various materials for our customers.

- ◆Professional design concept, tailor-made for users in different industries, reasonable structure, beautiful appearance, practical.
- ◆The profiles cast by high-precision molds are composed of high-strength and high-stable mechanical structures. The CNC movement is stable, the speed is fast, and the precision is high. No adjustment is required for long-term operation, and the engraving precision remains unchanged. The design concept of front and rear penetration of the machine body can facilitate the front and rear passage of materials, and is suitable for the processing of infinitely long workpieces.
- ◆Stable and perfect design concept, equipped with advanced industrial cooling system, equipped with water-free alarm automatic protection function, which improves the stability and safety of continuous work. The perfect dust-proof and anti-pollution design greatly improves the stability of the whole machine.
- ◆It adopts flying optical path design, unique structure, small optical path deviation, high stability and convenient adjustment. The optical accessories use the highest quality imported reflectors and focusing mirrors, with the highest reflectivity and light

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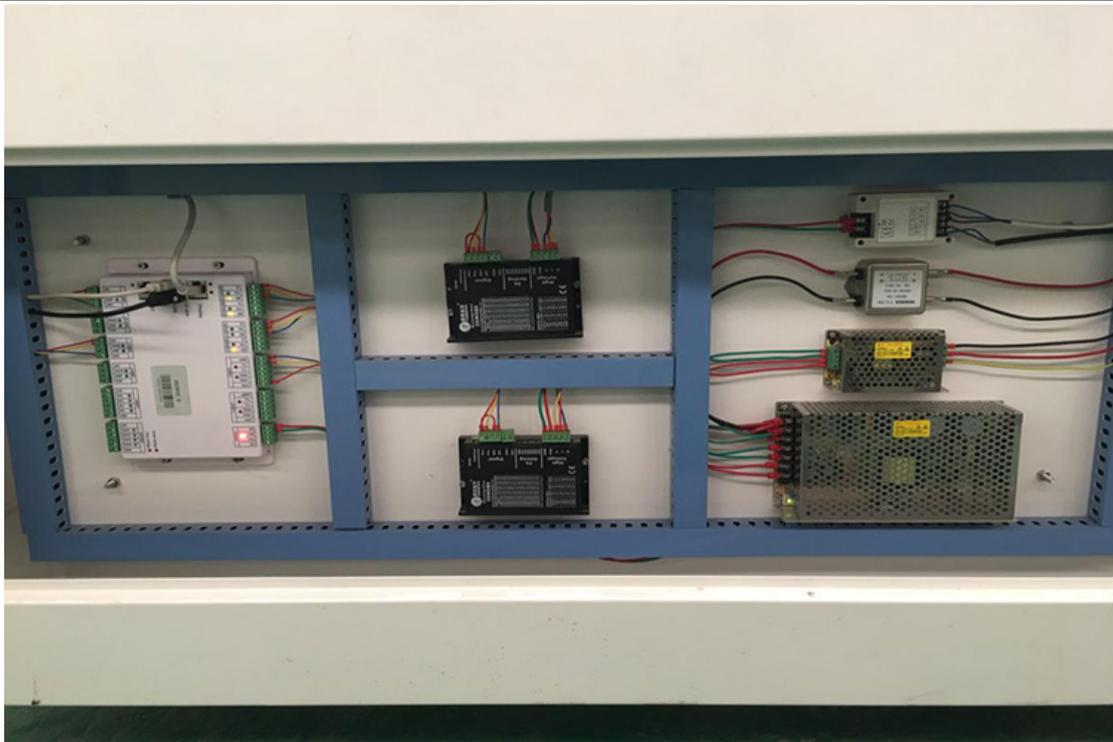
transmittance among similar accessories, with thinner light spots and stronger cutting power.

## Technical Parameters of SUNNA 1390 co2 laser engraving and cutting machine

Model	SU-1390
Laser Type	sealed CO2 laser tube
Laser Power	80W/100W/130W/150W
Engraving Speed	1-60000mm/min
Position accuracy	≤±0.05mm
Min character	Chinese character 2mm, English 1mm
XY Working area	1300mm*900mm
Cooling mode	water cooling and protection system
Laser output Control	1-100% Set buy software
Operating Voltage	AC110-220V±10%, 50-60HZ
Driving&Motor	Stepper
Compatible Software	CORTLDRAW、PHOTOSHOP、AUTOCAD
Supported Graphic Formats	PLT, BMP, DXF, AI, HPGL, DST
Working table	knife blade or honeycomb
Working Environment	temperature: 0—45°C humidity: 5%—95%(No condensate water)

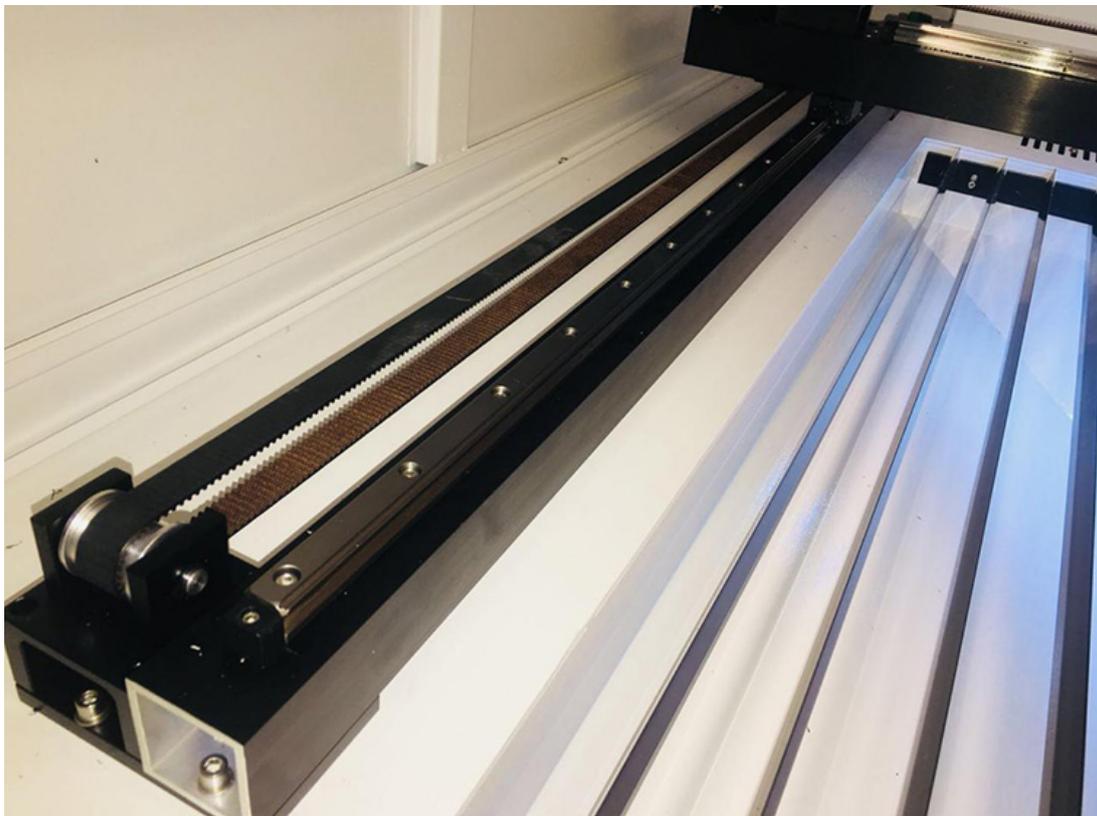
## Machine Standard of SUNNA laser engraving machine

### 1. Distribution box



## 2. Guide rail

Adopt Taiwan Shangyin linear guide, high positioning accuracy, rolling guide, reduce wear and maintain accuracy for a longer time.



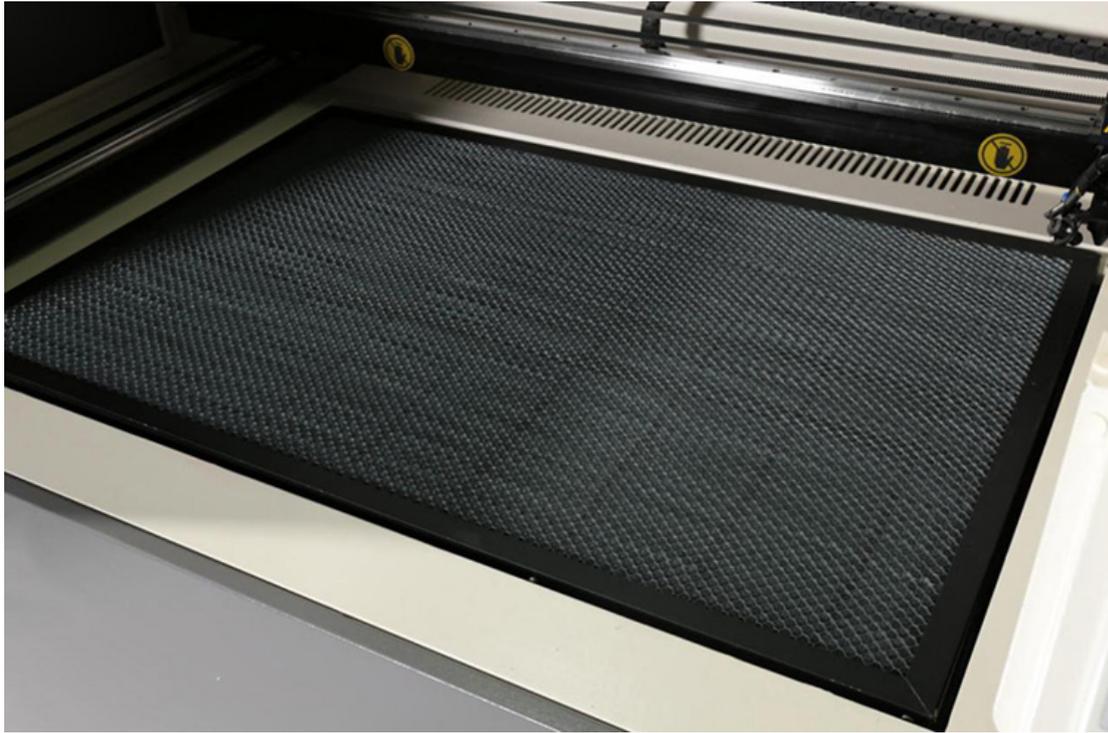
## 3. Platform

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The table top is flat, and the blade platform is also available.



#### 4. cooling system

High temperature control accuracy and good heat dissipation system, so as to exert a good cooling effect of the laser tube.



### 5. Air Pump

Cool down the laser head, and colleagues blow away debris from the laser process.



### 6. Laser tube

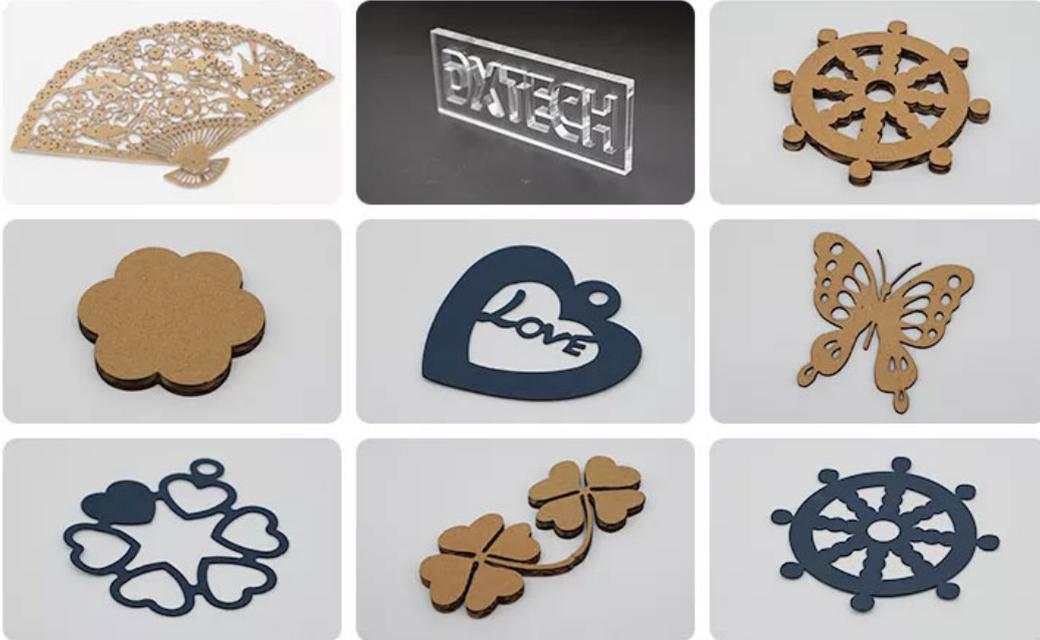
RECI / YONGLI / EFR Multiple brands are available Strictly select laser tube supplier to ensure stable output and long life.



## **Application industry and materials of co2 laser engraving machine**

1. Mainly used for large blister word cutting, acrylic, two-color plate engraving, plexiglass engraving and cutting, sign engraving, crystal, photo frame, trophy engraving, license engraving, etc.
2. Handicraft industry: Exquisite patterns and characters are carved on wood, bamboo chips, ivory, bones, leather, rubber sheets, marble, shells and other materials.
3. Leather garment processing industry: complex text and graphic engraving, cutting, engraving and hollowing out on genuine leather, synthetic leather, artificial leather, fabric and fur. Cutting, engraving, transcending fashion, and expressing individuality in the clothing, underwear, home accessories, gloves, handbags, shoes, hats, toys and car decoration industries.
4. Model industry: making sand table building models and aircraft models, etc., foam cutting, ABC board cutting, multi-layer board cutting, etc.
5. Packaging industry: engraving and printing rubber sheet, plastic sheet, double-layer sheet, die-cutting blade, etc.
6. Product identification industry: equipment nameplates, product anti-counterfeiting marking, etc.
7. Other industries: engraving marks on decorative materials such as marble, granite, glass, crystal, etc., paper cutting, greeting cards and other paper craft cutting.

## SAMPLE DISPLAY



**Automotive** industry



**Advertising** industry



**Kitchenware** industry



**Sheet metal** industry



**Cabinet** industry



**Fitness equipment**