



Small Desktop Co2 Laser Cutting Machine

China small desktop Co2 laser cutting machine, CO2 laser cutters are some of the most popular around, offering increased productivity, laser precision, and beautiful designs. able to engrave and cut various non-metals, such as wood, paper, acrylic, double-color plate, marble, wood, MDF, plywood, textile, leather, glass, etc.

1. Product Introduction

CO2 lasers are gas lasers that run electricity through a tube filled with a gas mixture to produce invisible light beams. These beams are then amplified using mirrors to concentrate the beam, resulting in a powerful laser that can cut and engrave a variety of materials. The gas mixture is typically made up of carbon dioxide, hydrogen, nitrogen, and helium, and is perfect for cutting and engraving wood, paper, acrylics, leather, fabrics, and even food.



Small Desktop Co2 Laser Cutting Machine Advantages

1--Configure high power RECI/EFR/YONGLI brand laser tube

Jinan Sunna International Trade Co.,Ltd.

Tel: +86-15315239222

E-mail: sales@sunnaintl.com

2--Multifunction Ruida controlling system,which can can achieve engraving on plane, gradient engraving by 360 degree, cutting and drilling holes.

3--Small Desktop Co2 Laser Cutting Machine is a type of entry level laser engraving and cutting system for hobbyists with small size in small business and home shop.

4--Transmit files directly in CorelDraw, AutoCAD, and more professional softwares.

5--The Small Desktop Co2 laser cutter adopts international linear rail, more precision.

2. Product Parameter (Specification)

Parameter of the Small Desktop Co2 Laser Cutting Machine	
Working Area	600*400mm
Laser Power	40W/50W/60W/80W
Laser type	Sealed Co2 laser tube,10.6μm
Working platform	Blade platform or Honeycomb optional
Engraving speed	0-60000mm/min
Resolution rate	±0.01mm
Mini Character Engraved	Chinese:2.0*2.0mm; English letter:1.0*1.0mm
Power Supply	AC110V/220V±10%,50HZ/60HZ
Supported Graphic Formats	BMP,PLT,DST,AI,HPGL
Cooling Modev	Water cooling and protection system
Control software	RD6445G Control System
Driving system	High-precision 3-phase stepper motor
Compatible software	TAJIMA,CORELDRAW,PHOTOSHOP,AUTOCAD,etc
Motors and Drivers	Leadshine Stepper motors and Drivers
Working temperature	0~45°C
Working humidity	5%~95% (without condensed water)
Color Separation	Yes
Overall dimensions & Weight	116x87x60CM & 150KGS

3. Product Feature

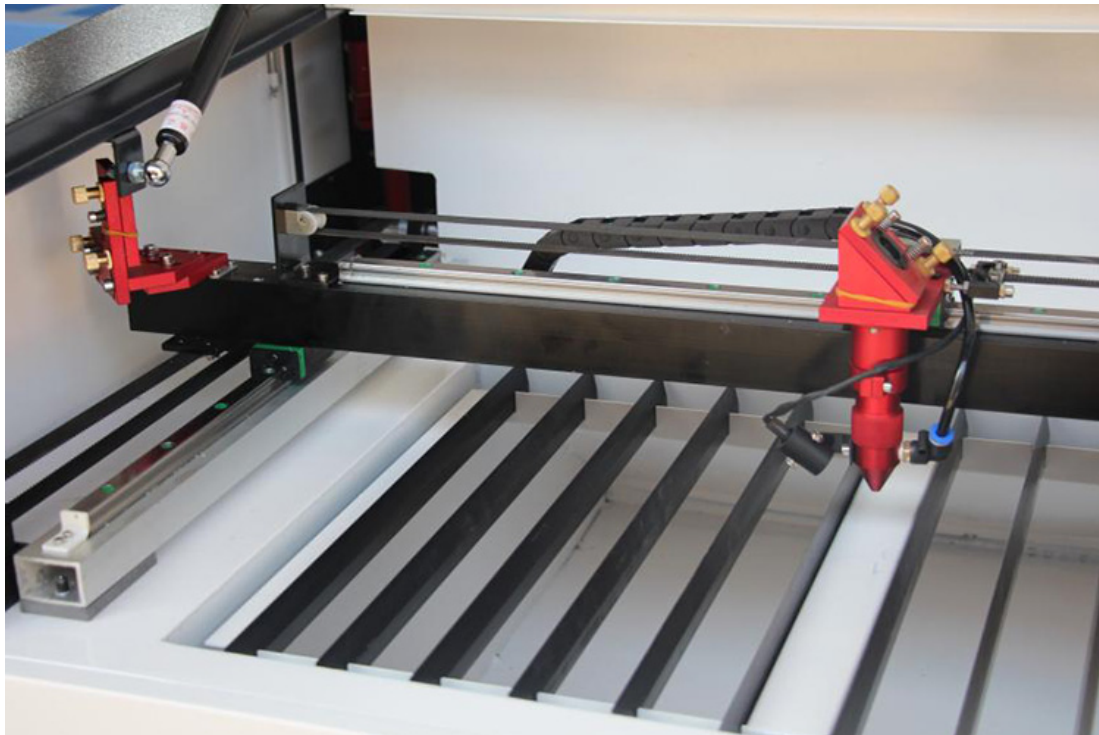
1. Small Desktop Co2 Laser Cutting Machine installed on X&Y axis with Taiwan HIWIN square linear guide rail , make sure the works stably and precisely.
2. The professional manufacturers adopts square tube framework in China, with more than 40% higher fuselage strength than iron sheet structure. This design prevents the machine from quivering, resonance and distortion during long term work.
3. New-style high-efficiency laser tube is adopted. Laser beam is more stable than the traditional type. Usage age is more than 10000 hours.
4. Red dot position system is added in standard configuration, contributing to simple and precise working position.
5. Humanized and modern appearance showing SUNNA INTL's consistent humanity idea, making operation and maintenance quite easy.
6. Advanced RD control system, with professional motion control chip, has the function of consecutively high-speed curve cutting and the shortest path selection, which largely improves your working efficiency.
7. USB offline control system makes the operation more convenient and faster.
8. Automatic up-down table can be chosen for thick materials and high objects.

4. Small Desktop Co2 Laser Cutting Machine Main Parts

Introduction

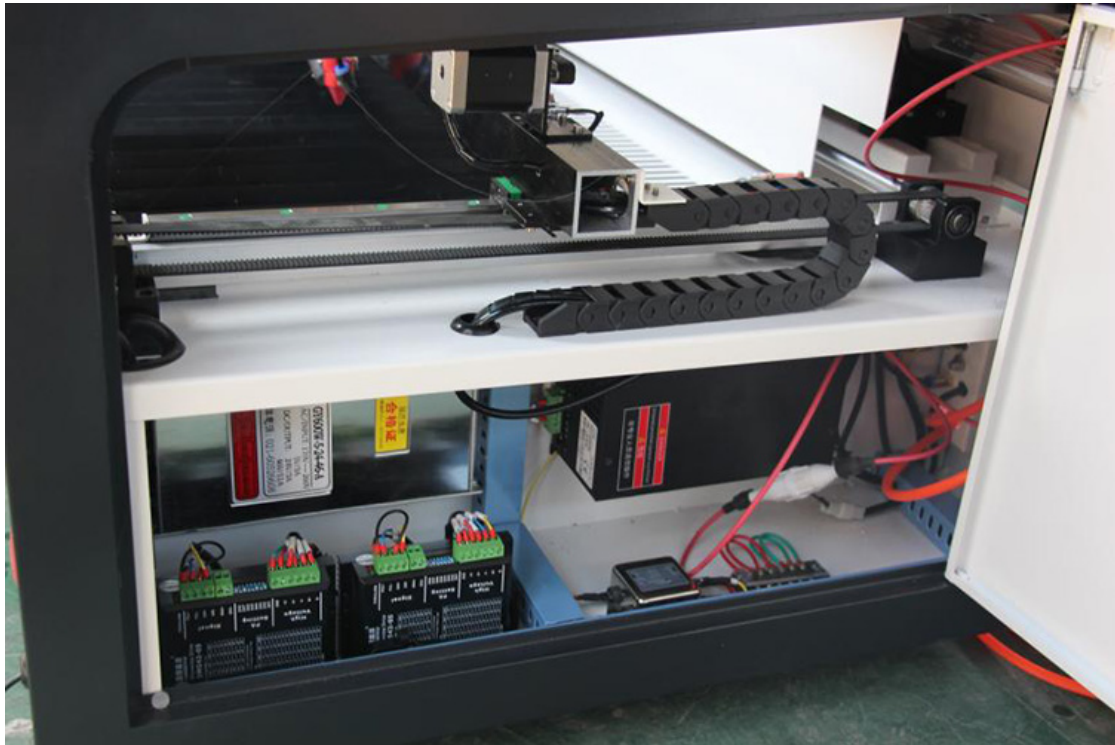


• Good quality laser tube, long life time and more powerful light. With good quality water cooling system to make the laser tube work better.



• High quality laser head with red light positioning system, imported lens which will
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make the light beam stable and powerful. Air-cooled system to protect the lens and laser head.



High quality alloy guide rails ,anti-wear,high precision,fast speed and reduced deformation. High precision motor ensure high precision in the process of engraving.



RD control system:there has the USB interface in the control panel, do not need to connect into the computer, supporting offline work, very convenient.

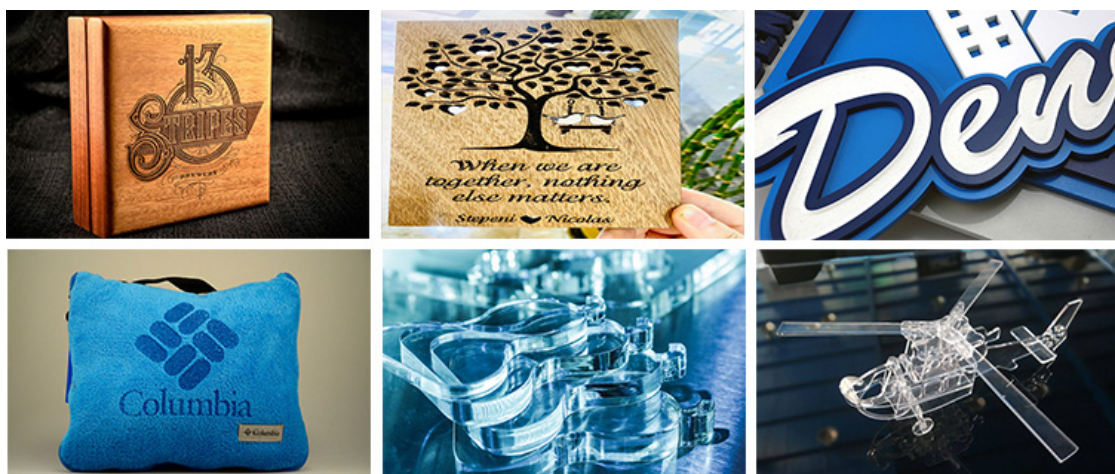
5. Application

Applicable Industries

Co2 Laser Engraver and Cutter is applied to cloth,leather,toys,computer embroidery cutting, mould ,crafts ,bamboo and wood ,advertising and building decoration ,packaging and printing ,paper products industries.

Applicable Materials

Small Desktop Co2 Laser Cutting Machine is available for engraving and cutting such as non-metal acrylic,color plates,ABS board,rubber,plastic,cloth toys,leather,crystal, glass,ceramic tile, jade,bamboo products,wood products.



Co2 Laser Engraving and Cutting Machine After Sales Service:

1.All of co2 laser Machine will be fully-checked by our quality control department before the shipment.We guarantee all of 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 online.

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

ODM/OEM customized projects allocate sufficient resources to ensure the first response, efficient collaboration with customers, shorten the research and development cycle, and help customers quickly realize product marketization.

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