

Industrial CO2 Laser Engraver Cutter



Industrial CO2 Laser Engraver Cutter is very popular in both education and industry due to its low operating cost and spare parts price. All of our CO2-filled glass laser tubes are water cooled and very durable, with a typical life expectancy of 18 months to 7 years. Unlike other laser sources such as metal tubes, our glass CO2 tubes are inexpensive and easy to install when they eventually need to be replaced.

Industrial CO2 Laser Engraver Cutter Features

The SUNNA professional flatbed laser cutting machine can cut materials with a thickness of more than 20 mm, and the high power can reach 180 watts. Work platforms 4'x6', 4'x8' and 5'x8'. The single-head and optional double-heads designed and manufactured by SUNNA enable the laser cutting machine to perform vector cutting and engraving on non-metallic materials, with high work efficiency! New driving mode, less maintenance and long service life. Upgrade your laser for higher cutting power (including higher industrial chillers). Compatible and versatile laser software that is both intuitive and feature-rich.

1. 3mm Cold-rolled steel welded machine bed, strong and running stable.
2. Aluminium blade table: to process hard materials like acrylic, wood and so on.
3. Fireproof window, more security.
4. CO2 Glass sealed laser tube China famous brand (EFR, Reci), good beam mode stability, service time over 8500~10000 working hours.
5. Laser Power 40W~180W, good quality and stable output to prolong the laser tube service time.
6. Singapore imported lens and mirrors. High transmittance, good focusing, reflecting effect.
7. Ruida or Leetro Controller USB interface, support online/offline working, English language system, adjustable cutting speed and power.
8. High accuracy stepper motors and drivers. Belt transmission.
9. Tiwan Hiwin Linear square guide rails, higher precision.
10. Laser engraving and cutting or Lasercut 8.0 software, user's manual.

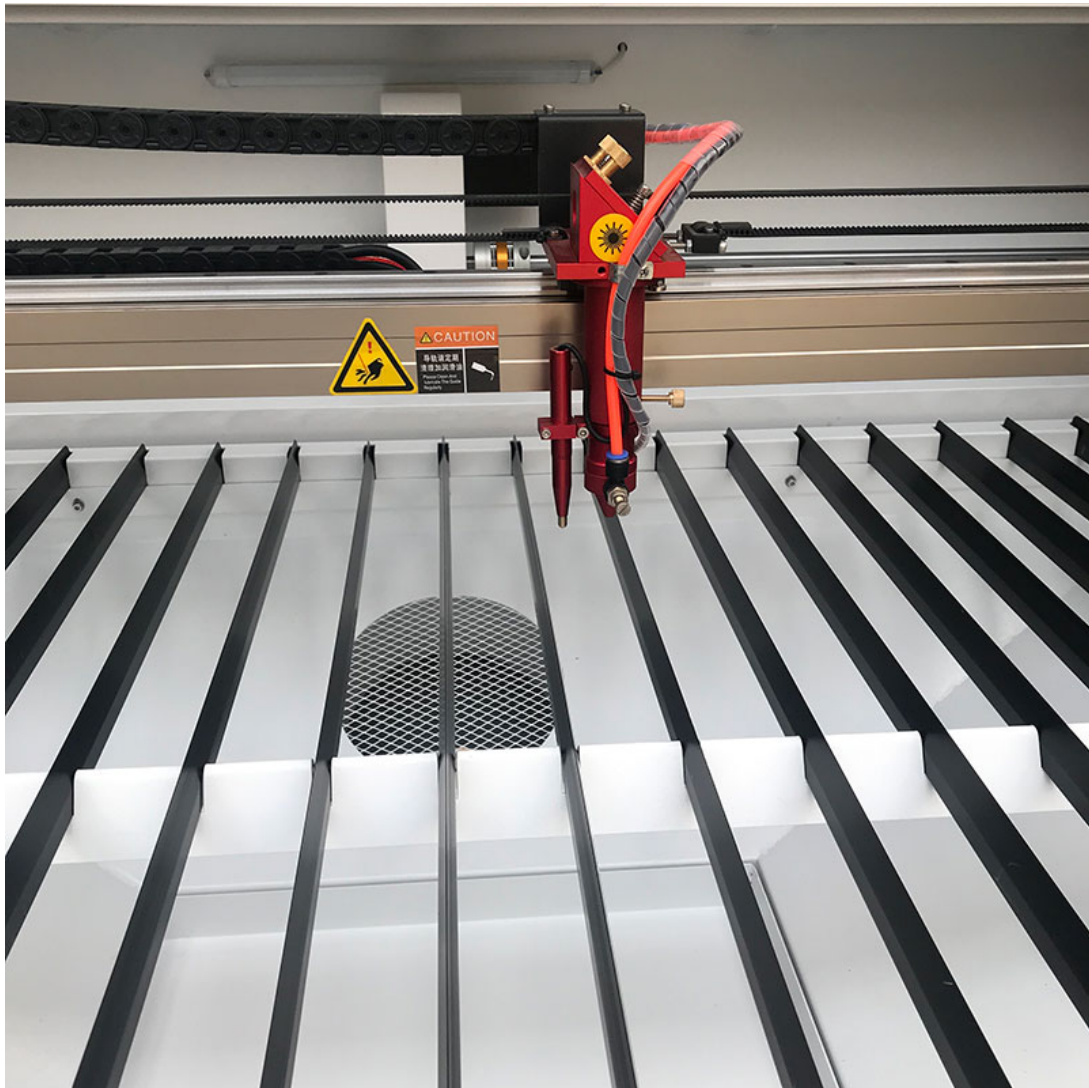
11. Tool box: A set of wrenches, lens cleaning paper, a pack of screws, a spare limit switch, a lens removal tool, manual, CD, U disk, a focal length of stick.

12. Open style, the front and back of the machine is open which is possible for longer material, breakthrough the limit of the workpiece length.

Product Parameter (Specification)

Model	SUNNA-1390D
Power	60W/80W/100W/130W/150W
Working area	1300*1900mm
Tube Brand	RECI/EFR/YONGLI/SPT
Power Supply	110V/220V 50HZ/60HZ
Min line width	≤0.15mm
Position accuracy	0.01mm
Repetition accuracy	0.02mm
DPI	1000 DPI
Smallest Character Engraving	Character 2.0mm×2.0mm, English 1.0mm×1.0mm
Guide rail	PMI/Shac from 15mm Taiwan (X-axis, Y-axis)
Transmission method	Belt Transmission
Drive system	Leadshine driving system
Mainboard	RUIDA 6445/6442
Control software	RUIDA-V8, Coreldraw, Photoshop, AutoCAD, etc
Cooling method	Water cooling
Working environment	0-45°C
Machine size	4060=140*75*95/140*100*95/155*115*95/187*137*95cm
Working table	Honey comb/ Knief/up and down/Electric lifting

Details:



1/ The machine has high quality working table and heavy weight, the stability of the machine has been improve.



2/ Auto-focus help you more convenient to find the best suitable focal length. Your time will be saved.



3/ Rdworks control panel easy to use.



4/ Teyu S&A Brand water chiller CW-5000 or CW-5200



5/ Supply powerful air to support laser cut and engrave. Haili Brand air compressor



6/ Exhaust fan(blower) for laser smoke. 550watt or 750watt power

Application

Materials	Engrave	Cut	Materials	Engrave	Cut
Wood	✓	✓	Wood Veneer	✓	✓
Acrylic	✓	✓	Fiberglass	✓	✓
Cloth	✓	✓	Plastic	✓	✓
Leather	✓	✓	Cork	✓	✓
Paper	✓	✓	Corian	✓	✓

Delrin	✓	✓	Marble	✓	
Mat Board	✓	✓	Anodized Aluminum	✓	
Melamine	✓	✓	Painted Metals	✓	
Mylar	✓	✓	Tile	✓	
Pressboard	✓	✓	Glass	✓	
Rubber	✓	✓	Coated Metals	✓	
Twill	✓	✓	Ceramics	✓	
	60W	80W	100W	130W	150W
Wood	5.5 mm	8.5 mm	10.5 mm	11.5 mm	13.5 mm
Plywood	4.5 mm	8.5 mm	10.5 mm	11.5 mm	13.5 mm
Leather	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Acrylic	9 mm	13 mm	17 mm	20 mm	23 mm
PVC	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Plexiglass	3.5 mm	7.5 mm	9.5 mm	11.5 mm	14.5 mm
Plastic	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Rubber	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Fabric	1.5 mm	2.5 mm	3.5 mm	4.5 mm	6.5 mm
Bamboo	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Paper	0.5-5.5mm				



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.
 - 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)

Our minimum order quantity is 1 set. If you want to buy a large quantity, you can contact us

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We support customized machines. If you have special needs, please contact us.

SUNNA is in the process of global investment promotion. Welcome interested friends to consult.