

## New Design CNC Plasma Sheet Metal Cutting Machine



Wholesale low price New Design CNC Plasma Sheet Metal Cutting Machine made in China. SUNNA is a New Design CNC Plasma Sheet Metal Cutting Machine manufacturer and supplier in China. The CNC Plasma Sheet Metal Cutting Machine Workbench project is for the design and idea of metal parts in industrial manufacturing fields such as machinery, shipbuilding, auto parts, etc. Using top plasma sources such as American Hypertherm plasma cutting machine and China Huayaun plasma cutting machine, combined with CNC control system of special metal cutting machine CNC plasma cutting machine, the project ideas can be well cut.

## New Design CNC Plasma Sheet Metal Cutting Machine

The New Design CNC Plasma Sheet Metal Cutting Machine provides maximum productivity, helping you get more work done in less time. The New Design CNC Plasma Sheet Metal Cutting Machine includes a Starfire computer-based CNC-controlled, thick-walled steel pipe machine frame and gantry beams, precision ground linear guides on X and Y axes, powerful AC servo motors and low tailgate planetary gearboxes. Gantry beams and cross-axle carriages ride on precision ground linear tracks, providing premium motion control and precision.



## 1. Advantage of Industrial Plasma CNC Cutting Machine

1--The Sunna beam uses light structural design, with good rigidity structure, light deadweight and small movement inertia.

2--The Sunna gantry structure, Y axis used dual-motor dual-driven system, X, Y, Z axis all use dual-straight rail.

that make the machine driving smoothly with high-precision.

3--Completely solve the traditional manual processing methods. Improve the efficiency of several times.

4--Cutting mouth is small, tidy, and avoid a second dressing processing.

5--It can apply to iron sheet, the aluminium sheet, the galvanized sheet, hundred steel plates, metal plates and so on.

6--High cutting speed, high precision, and low cost.

7--The Sunna numerical control system disposes high, the automatic striking arc, the performance is stable.

8--Support standard G code router files that made by software such as ARTCUT, CAXA, ARTCAM and TYPE3. Converted by certain software, it can also read DXF file that out of AUTOCAD. The control system, adopting U flash disk to change the processing files, is easy and convenient to operate.

## 2. Product Parameter (Specification)

No.	Technical specification of CNC Plasma Sheet Metal Cutting Machine	
1	Model	SN-2030P
2	Power source	AC 220/380±10%VAC 50/60Hz
3	Cutting mode	Plasma
4	Effective cutting range(mm)	2000*3000
5	Input Voltage	220V, 50HZ
6	Cutting speed(mm/min)	0-8000mm/min
7	Cutting thickness(Flame)(mm)	6-160 (O <sub>2</sub> /C <sub>3</sub> H <sub>8</sub> or C <sub>2</sub> H <sub>2</sub> )
8	Move precision	±0.2mm/m

9	Torch	Flame, electric height adjustment( $\pm 60$ mm)
10	Processing thickness(mm)	0.5-30mm
11	Cutting system	Starfire control system
12	Height control	THC (Torch Height Controller function)
13	Cutting thickness	According to the power supply( 4-200mm)
14	Cutting gas	Air
15	Gas pressure	0.4-0.8Mpa for normal plasma power
16	Servo motor	Stepper Motor and driver /Servo (Optional)
17	X, Y axis	High Quality Rack & Pinion and Taiwan linear rail
18	Power	40A/45A/60A/63A/65A/85A/100A/120A/160A/200A
19	Voltage	220V/380V
20	Processing Materials	Iron, steel aluminum sheets, galvanized sheets, Titanium plates

### 3. Industrial Plasma CNC Cutting Machine Main Parts Introduction



#### Torch Height Controller

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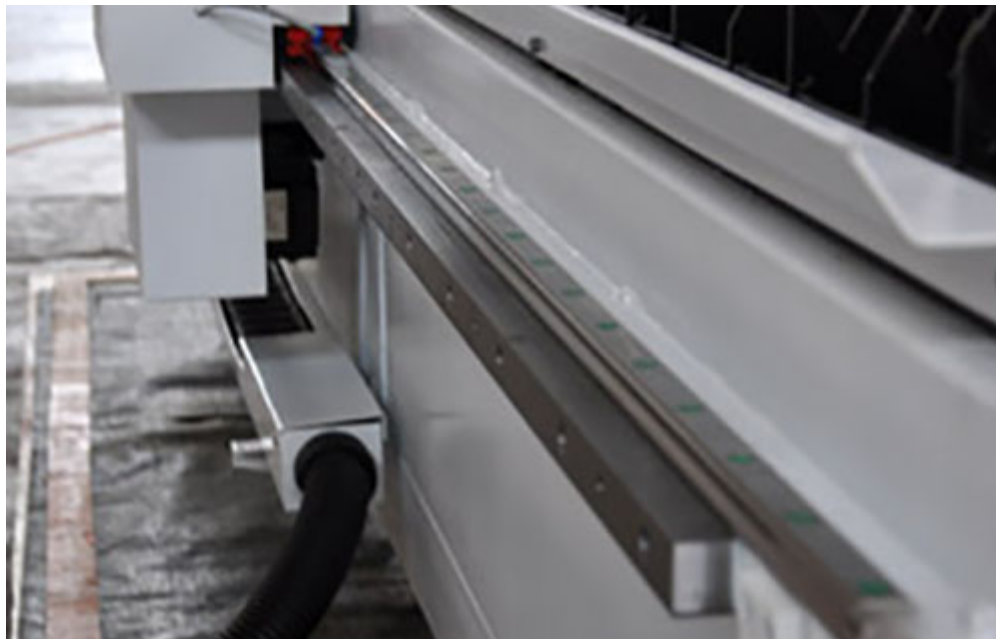
E-mail: [sales@sunnaintl.com](mailto:sales@sunnaintl.com)

It is for controlling position of the torch relative to the material being cut. The torch height control uses arc voltage to maintain a consistent distance from the plate while the torch is cutting.



### Starfire Plasma Control System

Applied torch plasma cutting technology, able to perform corner speed control and height control automatically.



### Liner guide

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Taiwan Hiwin linear guide and transmission to make sure the high accuracy



### Fastcam Software

Some Standard patterns included and Auto Nesting to save more materials



### High Quality Domestic HUAYUAN Plasma Source

High efficiency plasma generator result high precision and efficient cutting performance.

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Cutting torch: Different power with different cutting torch.



## Electrode and Nozzel

We suggested to buy extra sets of electrode and nozzel as spare parts(The price is \$5/set, includes 1pc nozzle and 1pc electrode, You can buy extra 20~30sets as a standby)

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## 4. Applicable Industry and Materials

CNC Plasma Sheet Metal Cutting Machine is suitable for all kinds of sheet metal materials such as steel, copper, aluminum and stainless steel can be processed. It is used for aluminum plate, stainless steel, galvanized sheet, white steel plate, titanium plates, and so on like the sheet metal.



## 5. Package and Delivery for Plasma Cutting Machine

SUNNA INTL has been cooperating with several big transport agents and shipping companies for long terms, and all machines are packed with standard plywood case for export, it can be transported to you safety as soon as possible.



## 8. International Shipping Term

All the CNC machines can be shipped worldwide by sea, by air or by international express logistics via DHL, FEDEX, UPS. You are welcome to get a free quotation by filling up the form with name, email, detailed address, product and requirements, we will shortly contact you with the full information including the most suitable delivery method (fast, secure, discreet) and freight.

## 9. FAQ

### 1) How about machinery warranty?

2 years quality guaranty, the machine with main parts(excluding the consumables) shall be changed free of charge (some parts will be maintained) when if any problem during the warranty period.

### 2) I don't know which one is suitable for me?

Please tell me your: Max working size: choose most suitable model.

In addition, materials and max. Cutting thickness,;choose most suitable power.

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### **3) Payment Terms?**

TT/Alibaba Trade Assurance/Western Union/Paypal /L/C/Cash and so on.

4) Does your company accept the customized offer, we have a special need.

SUNNA INTL is a company that focuses on research and manufacture of modular CNC machines. We have very rich experience and strong machine tool research and development capability. We are very willing to offer you customized highly-efficient equipment as long as you have a certain amount of needs.

### **5) I don't know how to use machine after received or i have problem during use,how to do?**

1) We have detailed user manual with pictures and CD,you can learn step by step.And our user manual update every month for your easy learning if there is any update on machine.

2) If have any problem during use,you need our technician to judge The problem elsewhere will be solved by us. We can provide team viewer/Whatsapp/Email/Phone/Skype with cam till all of your problems finished.We can also provide Door service if you need.

Learn more from SUNNA CNC experts and try to find out which plasma cutter is right for you? Contact our team to learn more about how our tools can make anything you want.