

PERFECT LASER

Cool Design Automatic Industrial Desk Type CNC Plasma Cutter

(Model: PE-CUT-A3)





World Brand



CE FDA Honors



Technical Supporting



24 Hour Online Service

Customer-orientated

Wish to provide benefit to agents and customers

Free Pre-Sales Consulting, Free Sample welding Service

life-long service

Engineer Overseas Installation available

12 hours Quick Feedback & After-Sales Service

10000+ Customers Choice

Perfect Laser will be your best Partner





Applicable Industries: heavy industry, sheet plates, shipbuilding industry and other industries.

Application Materials: steel, iron, copper, galvanized sheet, plated steel and other electrically conductive material.



Mass Production for CNC Plasma Cutting Machine

1) Advertising Cnc Plasma Cutting Machine adopt bench-gantry structure, welding after the vibration aging treatment to eliminate stress, so that in the long-term use of no deformation

2) All mechanical drive system using rolling bearings and precision machining accuracy as 6 GB of precision gears mesh with the rack

3) Planetary reduce drive system, its input and output error of only 16 arc minutes, at the same time, in the horizontal and vertical structure of the gear drive, an increase of automatic clearance compensation device so that it can accurately drive the structure of the implementation of the directives issued by the CNC.

4) Take the initiative to end beam: vertical track for the introduction of automatic clamping device-oriented structure and there is no eccentric clamping structure, relying on automatic detachable power-oriented structure to make it two. In the track combined with the smooth running of the department will not have a wheel clamp tight or lax-phenomenon



1 Cutting head

1. Including control box for adjusting height, photoelectric switch and limit switch
2. Adjust the distance automatically as the different materials
3. The sensor can induce the surface automatically.



2 Lathe bed of plasma cutting machines

1. Roof design, customer can easily pick up the cutting plates.
2. Arching steel blades table, can make the table smoother and stabler.



3 Plasma rail

- 1.X-axis :circular orbit and helical components with fast speed, high precision
- 2.Y-axis: aluminum, round rail, slider, helical components with stable, accurate and fast cutting



4 Round rail and Slant rack

- Diameter of 2CM aluminum circular orbit
- Higher accuracy and wear resistance



5 Drive Chain

- Protect the chamber wires of X axis, motor wire, height-adjusting case motor wire, limit-switch wire and control wires
- Make sure the stable performance



6 Electricity Controlling Cabinet



7 Automatic height-adjusting system

1. Adopts arc-voltage height-adjusting system
2. Cut different thickness material easily
3. Adjust the cutting height automatically.



8 Control system

1. constituent part: Control system:
Beijing "Start Control System" , Weihong control system
2. Z-axes up-down lifting System: "Honglida"
3. Two types of motor for choose:
 - 1) . Step motor and driving system.
 - 2) . Panasonic servo motor and driving system (durable, faster).
4. The Control system can be customized according to your requirements.



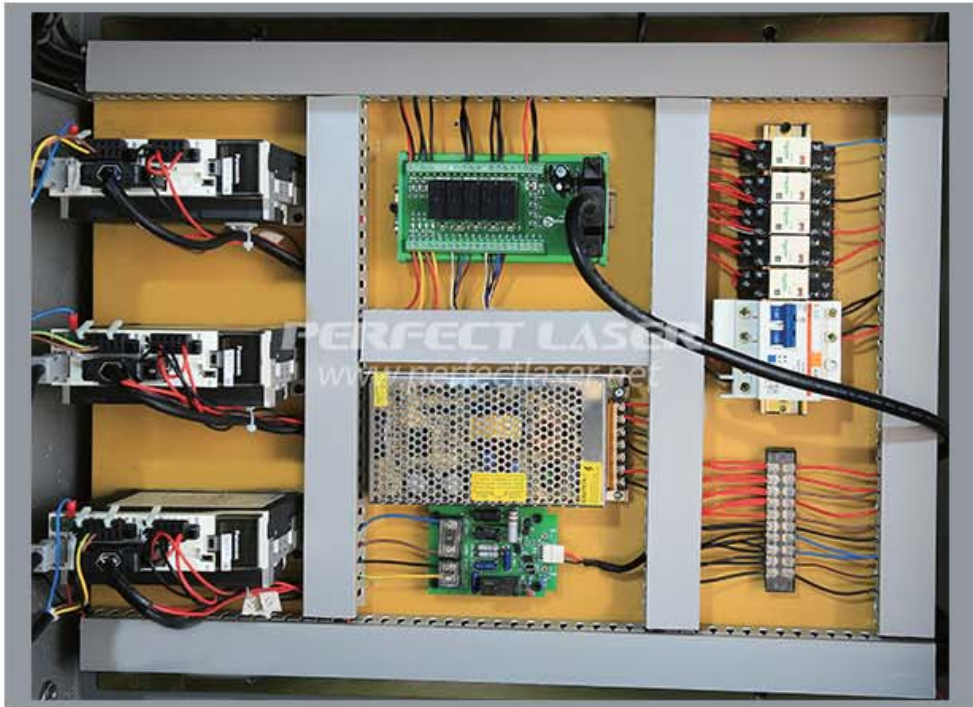
9 Software Interface

- F1 interface
- F2 Manual control, control machine work moving
- F3 input Drawings from U disk, Edit (F3,F6,F1)
- GG3 Chinese pattern---English pattern



10 Inside Circuit

1. Two units drivers and three units power supply
2. Chinese top brand Step driver



11 Heat Exhaust Fan Design

- Ensure the control cabinet air circulation
Make the machine long life span



Plasma Power Supply

Chinese top brand power supply
380V, 50-60Hz, three phase
power supply



Plasma Power Supply Cutting Gun



Advanced Beijing "Start" Control System
Adopt Auto Height Adjusted Function
Promote Stability
Improve Work Efficiency

- Brands for Options:
1. USA Hypertherm
 2. USA Thermal Dynamics
 3. Germany top brands

USA

Hypertherm



USA




THERMAL DYNAMICS











Germany



Technical Data

Model	PE-CUT-A1		PE-CUT-A2		PE-CUT-A3	
Picture						
Configuration	Standard configuration	High configuration	Standard configuration	High configuration	Standard configuration	High configuration
Application	Advertising industry		Heavy industrial type, including control cabinet, thicken machine body		Heavy industrial type	
Cutting Area	1.3*2.5m	1.5*3m	1.3*2.5m	1.5*3m	1.3*2.5m	1.5*3m
Motor	Step motor	Step motor	Step motor	Step motor	Step motor	Panasonic Servo Motor
Control System	Weihong control system	Weihong control system	Weihong control system	Start control system	Start control system	Weihong control system
Cutting thickness	0.3-3mm	0.3-40mm	0.3-3mm	0.3-3mm	0.3-50mm	0.3-50mm
Control Cabinet	/	/	/	Independent control cabinet	Independent control cabinet	
Auto-Adjusting Height System	/	/	/	/	HYD Auto-Adjusting height system	
Transmission Mode	Industrial gear transmission					

Model	PE-CUT-A1	PE-CUT-A2	PE-CUT-A3
Picture			
Structure	Light Structure	Heavy Loading Structure	Heavy Loading Structure
Configuration	Standard configuration	Middle configuration	High configuration
Type	Common Advertising Type	Heavy Industrial Type, including Control Cabinet, Thicken machine body	Industrial gear transmission Type
Control Method	Use extra PC to control	Already including PC inside, just use LCD screen to control the machine	Already including PC inside, just use LCD screen to control the machine
Usage	Used in some light and common industry	Can be used both in light and heavy industry	Can be used heavy industry
Cutting thickness	The cutting thickness depends on the power supply and auto-Adjusting height system. The greater the power, the thicker the cutting thickness.		
Working material	Iron, Steel, Aluminum sheets, Galvanized sheets, Titanium Plates Titanium Plates		
Cutting Speed	0-6000mm/min		
Plasma Current	60A		
Connecting Way	USB		
Cooling method	With water pump and tank provide circulating water cooling		
Rail guide	Precision work round		
Transmit way	Taiwan imported ball screw		
Power Supply	Standard Item: 60A Chinese top brand Plasma Power Supply (already including) Optional Item: 60A USA Hypertherm or USA Thermal Dynamics		
Spare parts	Electrode, Electricity nozzle and Water jacket		

Picture	Name	Quantity for one year
	Cutting nozzle	50pcs
	Electrode	10pcs
	Water jacket	50pcs
	Swirl Ring	10pcs
	Shield	50pcs

Terms and Conditions

1 Year
Guarantee

VCD
Training ,
Easy Installation

7-10
Working Days
Lead Time

PERFECT LASER

12 Hours
Response

TT/Western
Union / Paypal /
Ali Trade
Assurance
Payment

Sea
Shipping

Q: What's the package?

A: We have 3 layers package. For the outside, we adopt wood craft case. In the middle, the machine is covered by foam, to protect the machine from shaking. For the inside layer, the machine is covered by thickening plastic bag for waterproof.

Q: Will the package damaged during transportation?

A: Our package is considerate all the damage factors and make it to be safe, and our shipping agent have full experienced in safe transportation. We have exported to 180 countries worldwide. So please don't worry, you will receive the parcel in good condition.

Q: How to install and run the machine?

A: Our technician have installed the machine before shipping. For some small parts installation, we will send detail training video, user's manual along with the machine. 95% customers can learn by themselves.

Q: How can I do if the machine goes wrong?

A: If confronted with such problems, please contact us asap and do not try fix the machine by yourself or someone else. We will response within 24 hours as quick as we can to solve it for you.