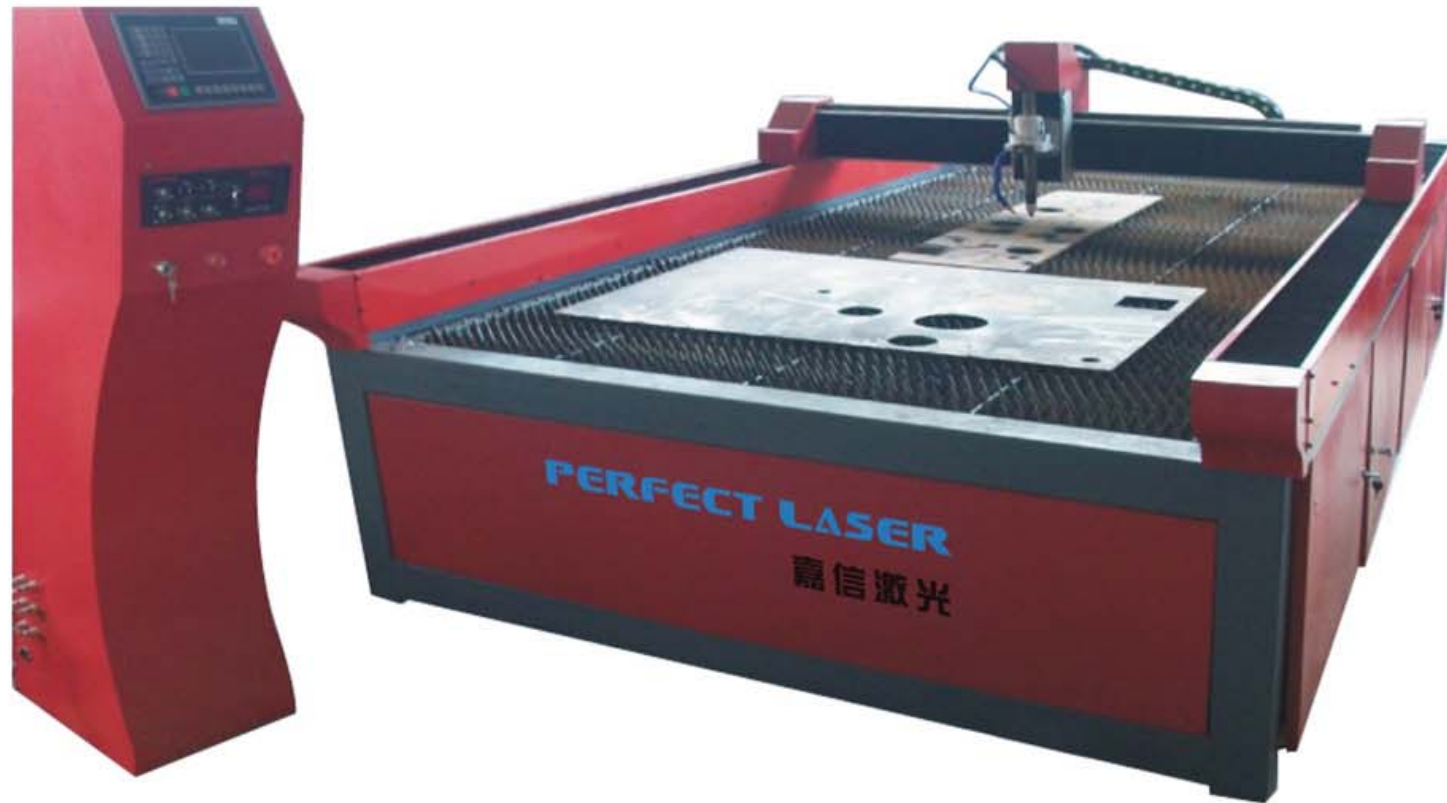


PERFECT LASER

CNC Flat-bed Plasma Cutting Machine

(Model: PE-CUT-A2)



1) Advertising Portable 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

Application

CNC plasma cutting machine is automatic and high efficiency cutting equipment. It is widely used in all kinds of carbon materials cutting, mild steel materials cutting and nonferrous metal precision sheet metal cutting.







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. Can sensor automatically surface



2.

Lathe bed of plasma cutting machines

1. Roof model, 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.

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. Beijing "Start Control System"
2. Z-axes up-down lifting System: "Honglida" constituent part: Control system: Beijing "Start Control System"
3. Z axes up-down lifting System: "Honglida" Two types of motor: Panasonic servo motor (durable, faster), Stepper motor, stepper driver



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

12.

Plasma Power Supply Cutting Gun

Chinese top brand or U.S. Hypertherm or U.S. Thermal Dynamics power supply

380V, 50-60Hz, three phase power supply



13.

Plasma Power Supply Cutting Gun



Plasma Power Supply

Brands for Options:

1. USA Hypertherm
2. USA Thermal Dynamics
3. China top brands

Software

Advanced Beijing "Start" Control System

Adopt Auto Height Adjusted Function






Promote Stability

Improve Work Efficiency

USA	USA	Germany
Hypertherm	THERMAL DYNAMICS	
		

Technical Data

Model	PE-CUT-A1 Light Structure	PE-CUT-A2 Heavy Loading Structure
Type	Common Advertising Type	Heavy Industrial Type, including Control Cabinet, Thicken machine body
Control Method	Use extra PC to control	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
Cutting thickness	0.5-5mm	1-20mm
Working material	Iron, Steel, Aluminum sheets, Galvanized sheets, Titanium Plates	
Cutting Speed	0-6000mm/min	
Plasma Current	<small>PERFECT LASER www.perfect-laser.com</small>	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	

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

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

Application Materials: steel, iron, copper, galvanized sheet, plated steel and other electrically conductive material. Used for cutting plane to be equipped with rotation (extra billing)

PERFECT LASER
www.perfect-laser.com

Mass Production for CNC Plasma Cutting Machine



Professional Export Stable Wood Craft Case.
Machine package : 4.1*2.2*1.56M , 1500KGS



Terms and Conditions

- * 12 Months Guarantee
- * 5-7 Days Lead Time
- * VCD Training , Easy Installation
- * 12 Hours Response
- * TT/Western Union / Paypal / Ali Trade Assurance Payment
- * Sea Shipping

FAQ

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. alxe?