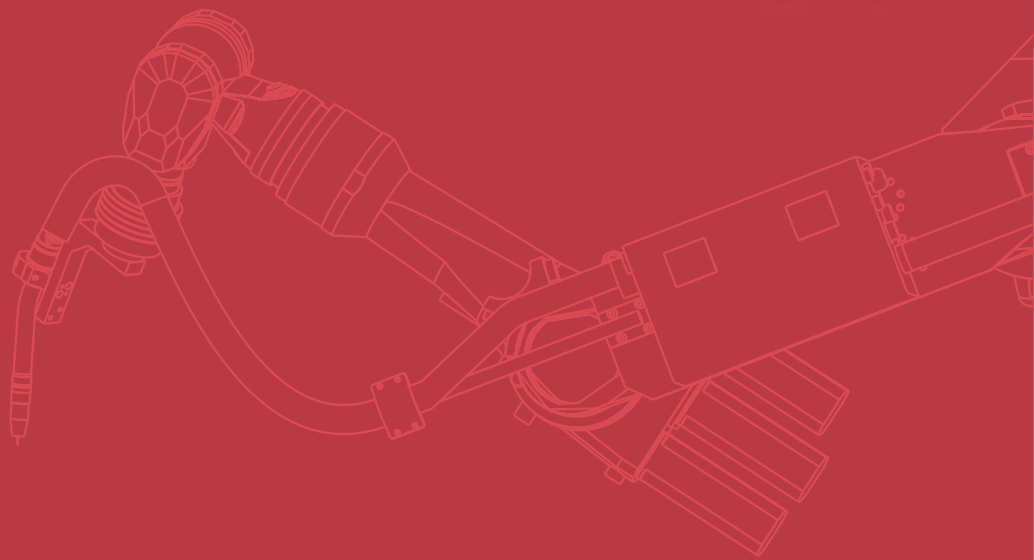


HUAHENG



Automatic Cutting Systems

Company Introduction

Huaheng Automation Pvt. Ltd. Is a wholly owned subsidiary in India of Huaheng Welding Co. Ltd. based at Kunshan, P.R. China having state of the art manufacturing plant in Vadodara, Gujarat, India to provide quality and reliable solutions under one roof to local customers.

HUAHENG WELDING Co. Ltd. is one of the biggest companies in China, engaged in automatic cutting and welding equipment manufacture and welding system integration. As a leading company in China, we supply integrated solutions for argon arc welding, industrial robots, automatic, and intellectualization.

HUAHENG has 60000m² production base in Kunshan, Xuzhou and Changsha, 300 sets of advanced production equipments and test instruments. We got CCC certificate, DIN ISO9001 and CMMI-3 certificate. The production and sales volume of our main products is “Orbital Welding Equipment”, “Automatic Welding Equipment” and “Robot Welding Equipment” for steel structure plate” & these are No. 1 in Chinese market. We are awarded honors of “International invention exposition”, “Jiangsu software products JinHui award”, “Jiangsu famous brand products” and so on.

HUAHENG has 16000m² R&D center, Jiangsu automatic welding equipment library, jiangsu automatic robot library and postdoctoral work station. Till now we have 200 sets of test equipments and instruments and instruments with advanced international level. We underlook and finished “national 863 plans”, “national key technical” “national torch program”, “national key new products program” and other national R&D programs. We own 71 patents (including 18 invent patents), and 44 software copyright. We are main force for research and development of Chinese industrial robot and automatic welding.

We have international center in Shanghai, 88 sales center, agent and service network in China, which are providing high efficient and fast service locally for the customers. Our products are mainly used in engineering machinery, Aeronautics and Astronautics vessel industry, ocean engineering, Rail Transit, energy, chemical, nuclear, military, light industry, mining machinery and so on. We have also customers in America, Europe, India, Brazil, Southeast, Asia and so on.



Robot Cutting System

● Beveling Cutting

- Six axis to seven axis synchronized robot cutting system
- Robots can longitudinal travel
- Mainly used for bevel cutting plane. For different thickness, line, curve type "I", "X", "Y", "V", "K" beveling cutting
- Optional Plasma cutting or Flame cutting





● Beveling Head Cutting

- Six axis to nine axis synchronized robot cutting system
- According to head the size of a specific configuration
- For pressure vessel head cutting
- Optional Plasma 、 Flame or Laser cutting



● Profile Contour Cutting Machine

- Six axis to nine axis synchronized robot cutting system
- Mainly for all kinds of steel like angles, channels, H-beam, the ball flat , etc.space cutting
- Optional Plasma or Laser cutting

Procut plasma & flame cutting machine



- Product is a heavy duty CNC cutting machine with precise structure. High cutting accuracy and product economy are perfectly combined for both oxy-fuel and plasma applications.

Technical Parameters

Track width (mm)	3000	3500	4000	4500	5000	6000	7000	8000
Cutting width (mm)	2200	2700	3200	3700	4200	5200	6200	7200
Overall width (mm)	4000	4500	5000	5500	6000	7000	8000	9000
Drive speed	12000mm/min							
Max. No. of heads	6(2 plasma available)							
May change by the number of torches								

Ecocut flame & plasma cutting machine



- This machine is a large size CNC cutting machine with middle size structure and multiaxis control, suitable for a wide field of applications and complicate cutting jobs. A number of different torch suspensions with tool holders is available e.g. marking tools, punching and drilling devices, strip cutting attachments, triple torch, plasma arc contour bevel unit.

Technical Parameters

Models	Ecocut
Drive	Double drives
Gauge	3~11m
Track length	According to customer demand
Effective cutting width	Gauge-1.2m
Effective cutting length	Track length-2.5m
Cutting thickness	1~150mm (max. 300mm)
Cutting mode	Plasma or Flame

Finecut plasma cutting machine

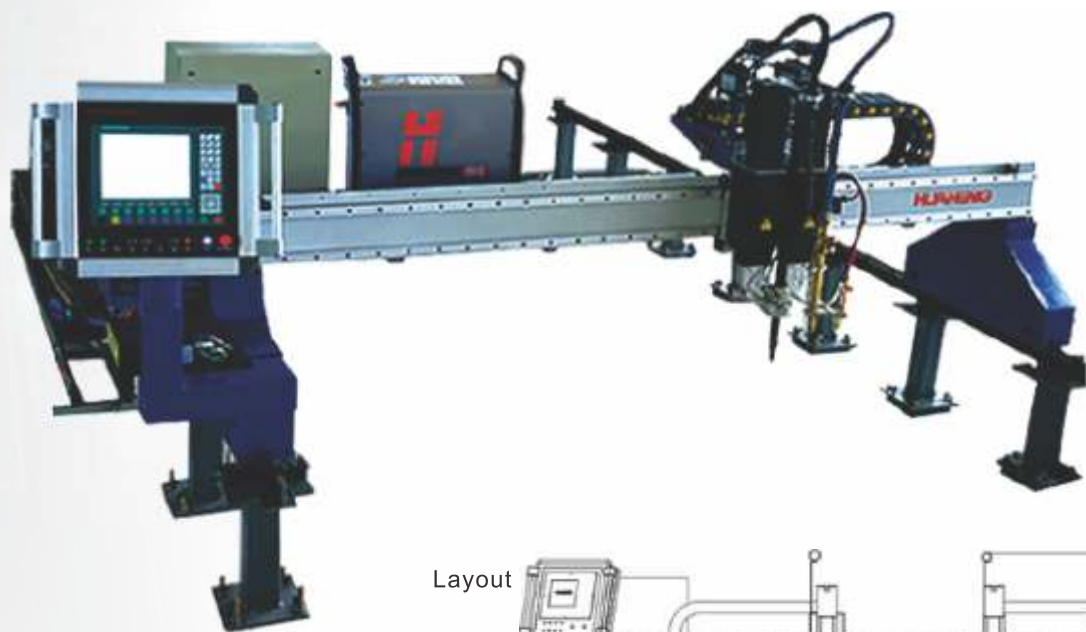


- Finecut is a high speed, high accuracy CNC plasma cutting machine. It features compact modular construction for easy and fast installation and commissioning. A fume extraction table is optionally available to satisfy environment requirements.

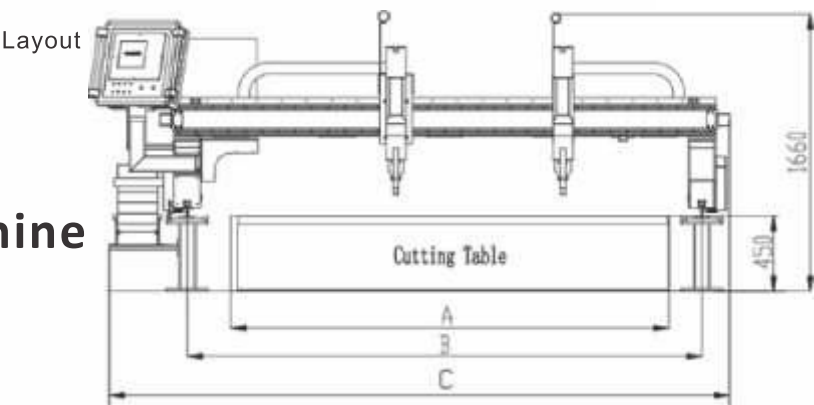
Technical Parameters

Model	6020	4020	3015
Effective working area (mm)	6000x2000	4000x2000	3000x1500
Overall width (mm)	3200	2000	
Drive speed	0-12000mm/min, 0-24000mm/min, 0-50000mm/min		
Max. No. of heads	1		

Easy Cut Standard



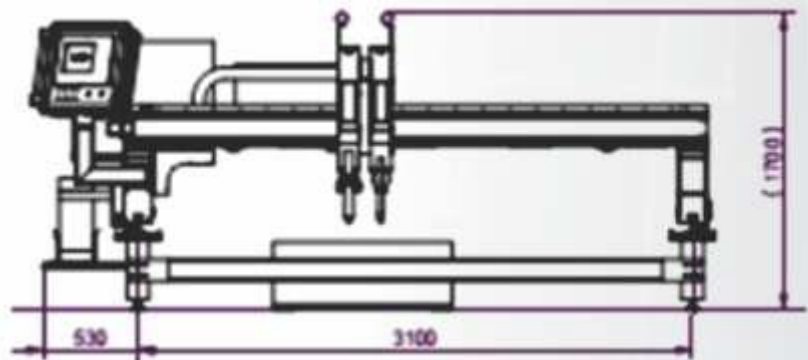
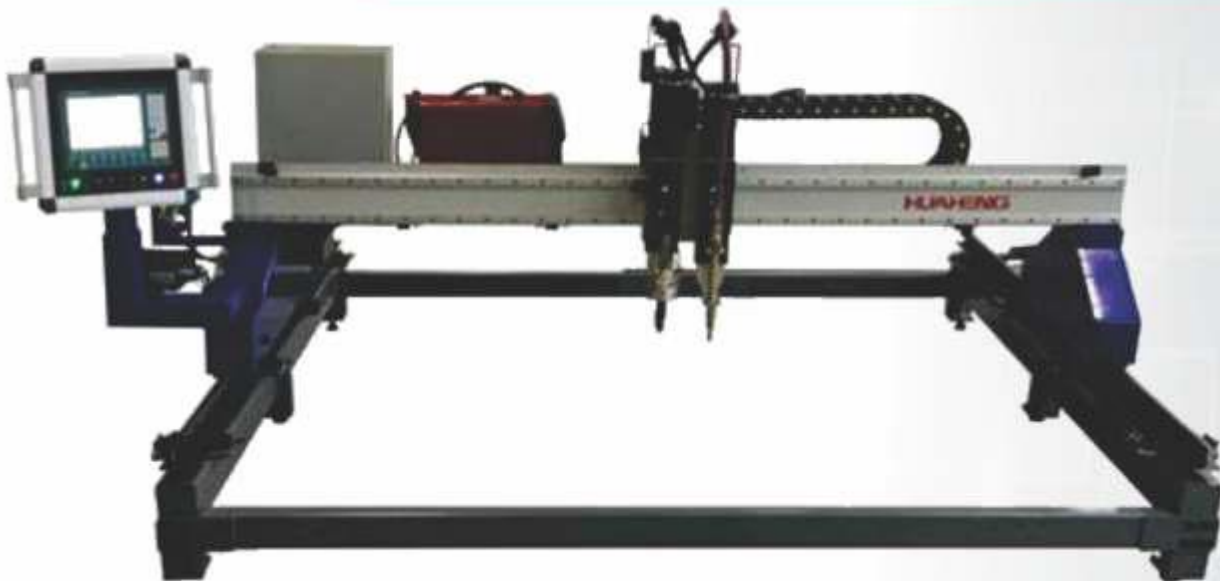
Economical Flame & Plasma CNC Cutting Machine



Technical Data

No.	Type	Technical Data
1	Working width A	A=B-500
2	Track width B	2600, 3100, 3600
3	Maximum width C	B+650
4	Track length	5m, 7.5m, 10m, 12.m, 15m
5	Working length	Track length - 1500mm
6	Max Speed	6m/min

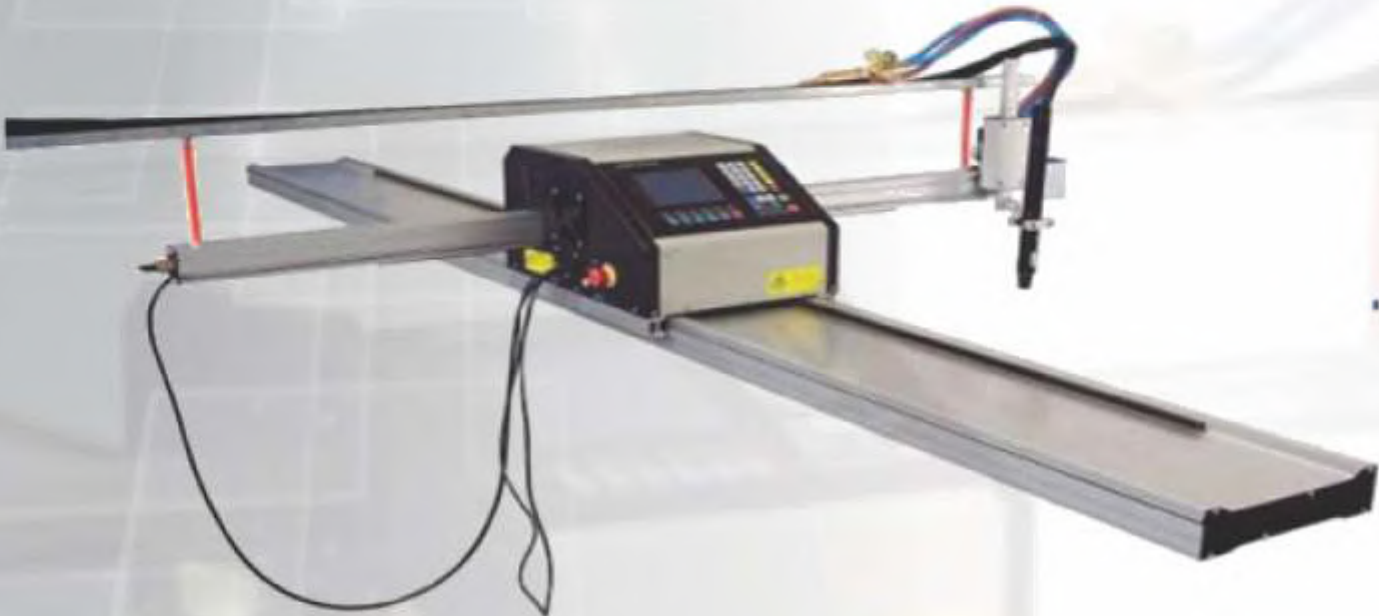
Easy Cut TS



Technical Data

No.	Type	Technical Data
1	Working width A	A=B-600
2	Track width B	2100, 2600, 3100
3	Maximum width C	B+530
4	Track length	2750, 5000
5	Working length	Track length - 1000mm
6	Max Speed	6m/min

MINICUT
PORTABLE CNC FLAME /
PLASMA CUTTING MACHINE



Basic System without Cutting Table



Basic System with Cutting Table (for reference only)

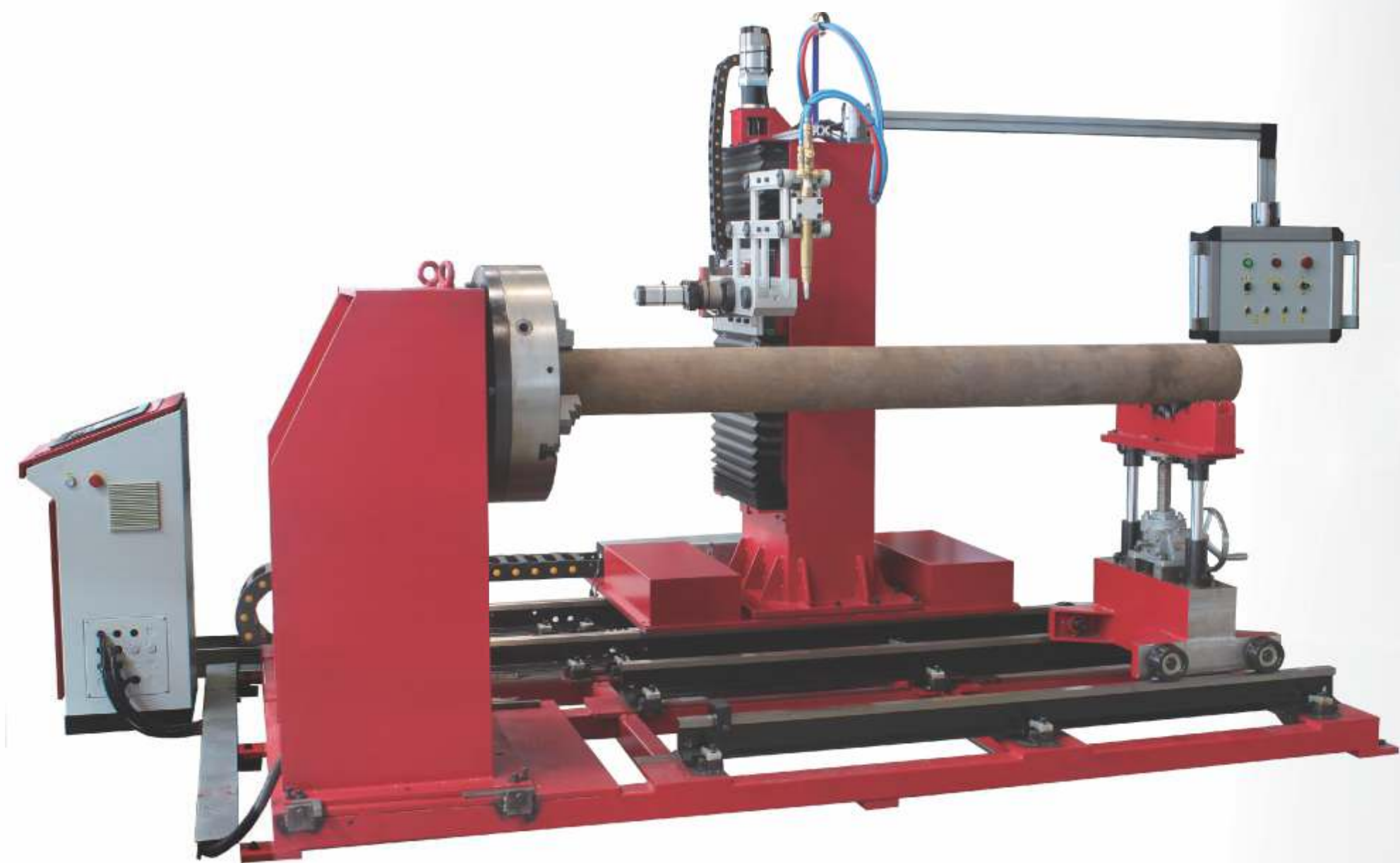
FEATURES

- 1. New special high strength rail design, stable and smoothly motion without noise for high speed and precision pplication.
- 2. Simple HMI for easy operation.
- 3. Integrated portable CNC cutting machine function for carbon steel, stainless steel and non ferrous material cutting.
- 4. Accept CAD file as cutting program file, USB drive file transfers for any graphic cutting application.
- 5. Optional to choose oxyfuel or plasma cutting process.
- 6. Multi-language selection, i.e. Chinese, English, French, Russian Portuguese.
- 7. Automatic power-off memory and automatic recovery function.
- 8. Optional to choose arc voltage height control or simple motorized control.
- 9. Working status indicator.
- 10. Position protection, and proximity switch positioning.
- 11. PWM pulse width modulation control.

SPECIFICATION:

Item	Portable Oxyfuel gas and Plasma cutting machine	
Model	1530F	1530H
Plasma arc voltage control	No	Yes
Effective cutting grange	1500*3000mm	1500*3000mm
Torch height adjustment	Motorized	Plasma AVC control
Input voltage	AC220, single phase	
Input power	Approx. 220W	
Cutting process	Suitable for plasma or oxyfuel	
Drive	Single drive, gear and rack transmission	
Cutting speed	0~3000mm/min	
Torch lift distance	≤90mm	
Accuracy	±0.2mm/m	
Cutting thickness	Oxyfuel: 5~120mm depends on cutting process;	
	Plasma: depends on power supply;	
Cutting table	Prepared by customer	

Pipecut cutting machine



- The system is used for steel pipe or nonferrous pipe intersection position, profile position edge, elbow etc. automatic calculation and cutting. It is mainly used for pipeline structural component cutting in building construction, chemical engineering, ship building, construction machinery, metallurgy, electric power industries etc. CNC profile cutting machine is very convenient for the work-piece mentioned above, no operation calculation requirement, skilled programming, only profile intersection position, hole position and bevel position required

Technical Parameters		
Axis		2-6 axis
OD	mm	50-1500
Length	mm	2000-18000
Thickness	mm	5-60
Max. payload	KG	8000
Torch No.		Plasma/Oxy-fuel
Cutting speed	mm/min	80-2500
Idle speed	mm/min	0-10000
Cutting method		Plasma/Oxy-fuel
Bevel		V/Y ± 45° (Plasma) ± 60°(Oxy-fuel)
Bevel standard		AWS/fixed bevel/adjustable bevel

CNC system

● EDGE Pro

System Configuration:

- Operating System Microsoft Window XP (embedded version)
- Processor 2.0GHz or greater
- Monitor 15-inch touch screen (using the latest anti-surface acoustic wave SAW technology)
- Memory 1GB RAM or greater
- 250GB or larger hard drive
- Communication interface 2 RS232 / 422 serial ports, two USB ports, a 100M card, a HyperNet interface
- Support axes 2-6 axis (analog); 2-12 axis (SERCOS)
- I / O 12 inputs the output signal (PICOPATH interface); 24 or 48 input and output signals (HyPath Interface)
- Dimensions Width: 435mm; high: 463mm; depth: 316mm
- Operating voltage and frequency 100-240V, 50/60 Hz
- Quality certification CE, CSA



● Hypertherm CNC system

● Micro EDGE Pro

System Configuration:

- Operating System & Controller software version Microsoft Window XP (embedded version) & Phoenix Version9.71 or higher
- Supported languages English, Chinese, German, Spanish, Portuguese, Russian and other 14 kinds of languages
- Processor 2.0GHz Intel processor or greater
- Display can be customized with LCD display or touch screen
- Memory 1GB or greater
- 250GB or larger hard drive
- Communication interface 2 RS232 / RS422 serial port can be converted / 5 USB2.0 interface / a generic Ethernet interface / 1 HyperNet Ethernet interface
- Support axes 2-4 axis (analog); 2-12 axis (SERCOS)
- I / O number 12 input and output signals (PicoPath interface); 24 input and output signals (Hypath Interface)
- Volume 238mm (high) × 463mm (W) × 332mm (D)
- Weight 15.9KG
- Power input 230V ± 10%
- Protection class IP2X (according to IEC60529)



● HH2600

HH2600 hardware configuration:

- | | |
|---------------------|---|
| Display: | 15-inch 1024 x 7680 resolution 16 million color high-brightness color LCD screen or a 10.4-inch 800X600,26 million colors |
| Memory: | 64M SDRAM |
| User program space: | 256M or 1G electronic drives |
| Frequency: | 400MHZ system frequency |
| USB: | USB1.1 interface Front |
| Keyboard: | Electronic PCB foil keyboard (one machine) or standard industrial keyboard (split type) |
| Chassis: | All steel is completely shielded, can really anti-electromagnetic radiation, anti-jamming, anti-static |



● HH5100

HH5100 hardware configuration:

- | | |
|-----------------------|---|
| CPU card: | Intel852 / 855 embedded industrial motherboard, low-power design. |
| Display: | 17 "LCD color LCD display, support for mouse and touch screen (optional). |
| External interface: | VGA, USB, COM, PS / 2,10 / 100Mbps network interface. |
| Memory and hard disk: | 512M onboard memory; electronic drives 4G, (DOM). |
| USB: | USB2.0 * 2. |
| Keyboard: | Electronic PCB foil keyboard or standard industrial keyboard. |
| Chassis: | All aluminum structure is completely shielded against electromagnetic radiation, interference, good heat dissipation. |
| Power: | DC + 24V input (+ 20V to + 26V), lcc = 3A MAX. |



● Huaheng CNC system

Driver

- The drives

High performance AC drivers for speeds up to 12m/min or 24m/min and high acceleration



Torch lifter

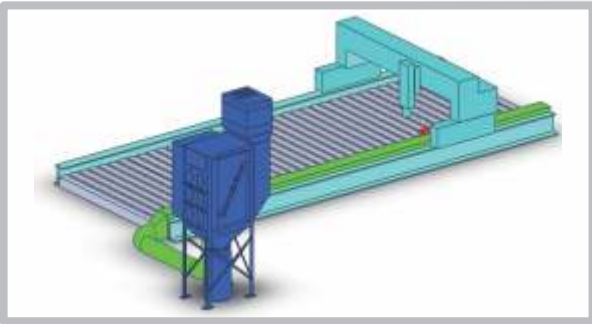
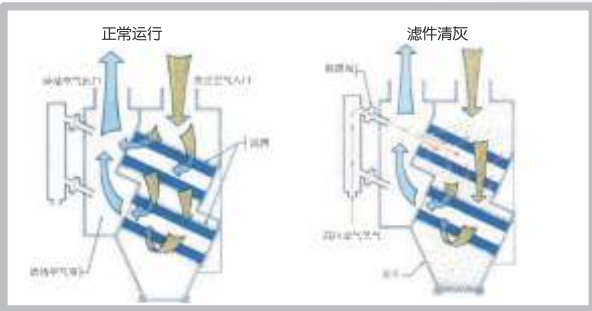
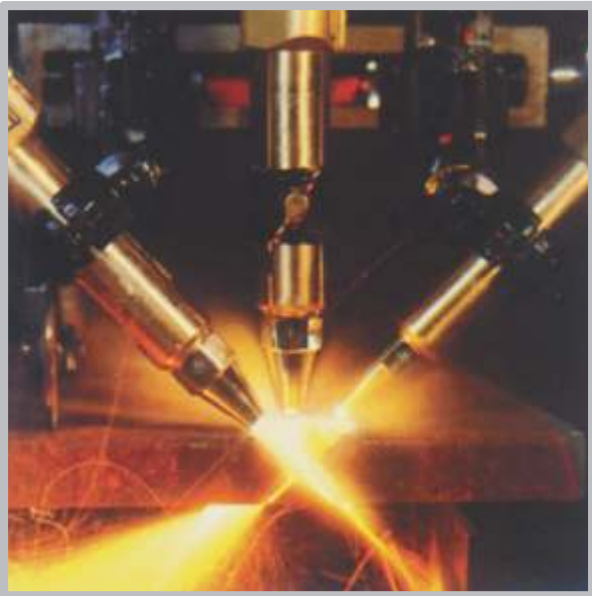
- Torch lifter

HH200 torch suspension
Up/down stroke 200mm

Triple-torch straight cutting head

- Triple-torch straight cutting head

For V,X,Y and K straight cuts
Angle adjustment 0°–45°
Strip width 50–130mm
Optional mechanical or auto capacitive height sensing



- Fume Extraction Table

Large quantities of iron-and iron oxide dust as well as especially problematical CrNi dust are released during. These are captured by the and fed to the fan/filter system. The ultra fine filter material has a separation factor of 99.97% with particles 0.3μm. The filter is kept functional with a self-cleaning device.

Fume Extraction Table

Oxygen Plasma



Air Plasma



Ordinary Plasma Power

	Model	Air Plasma				Oxygen Plasma
Project		Powermax65	Powermax85	Powermax105	Powermax125	MAXPro200
Carbon steel	No slag	Not applicable	Not applicable	Not applicable	Not applicable	20mm
	Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	Quality Cutting	12mm	15mm	18mm	20mm	25mm
	Edge Cutting	32mm	38mm	50mm	57mm	75mm
Stainless steel	Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	Quality Cutting	12mm	15mm	18mm	20mm	25mm
	Edge Cutting	32mm	38mm	50mm	57mm	75mm
Aluminum	Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	Quality Cutting	12mm	15mm	18mm	20mm	25mm
	Edge Cutting	32mm	38mm	50mm	57mm	75mm
Power		9KW	12.2KW	16.8KW	21.9KW	33KW
Current		20-65A	25-85A	30-105A	30-125A	50-200A

Precision Plasma



Precision Plasma Power

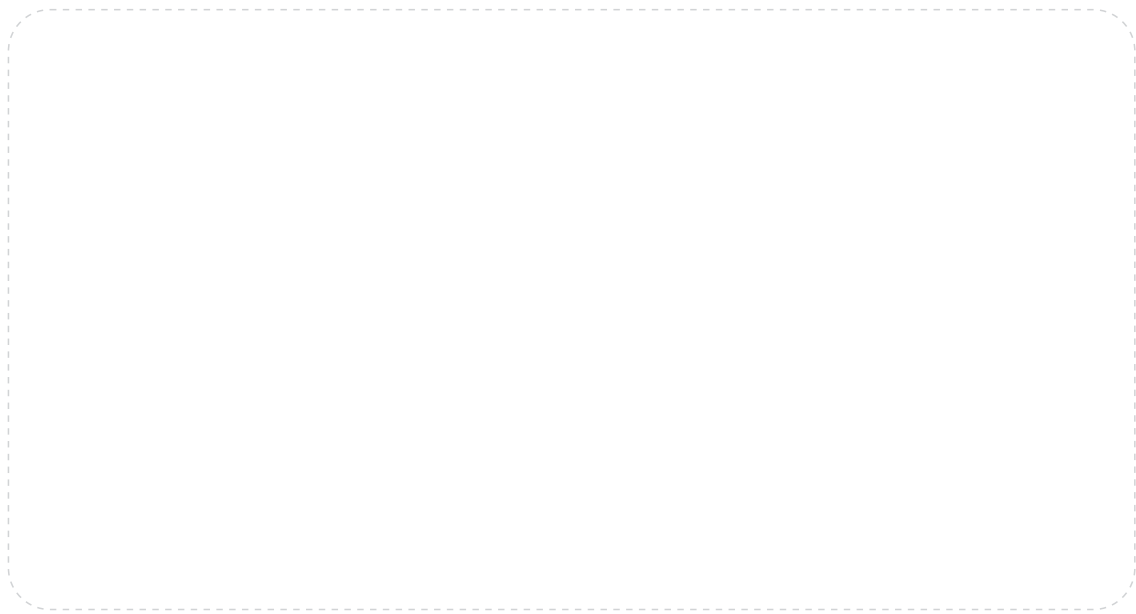
	Model	Precision Plasma			
		HPRI30XD	HPR260XD	HPR400XD	HPR800XD
Carbon steel	No slag	16mm	32mm	38mm	38mm
	Production piercing	32mm	38mm	50mm	50mm
	Quality Cutting	25mm	32mm	50mm	50mm
	Edge Cutting	38mm	64mm	80mm	80mm
Stainless steel	Production piercing	20mm	32mm	45mm	75mm
	Edge Cutting	25mm	50mm	80mm	160mm
Aluminum	Production piercing	20mm	25mm	38mm	75mm
	Edge Cutting	25mm	50mm	80mm	160mm
Power		19.5KW	45.5KW	80KW	160KW
Current		30-130A	30-260A	30-400A	30-800A



Technical Parameters

	Model	Precision Plasma			
		Ultra-Cut 100XT	Ultra-Cut 200XT	Ultra-Cut300XT	Ultra-Cut400XT
Carbon steel	Production piercing	12mm	25mm	40mm	50mm
	Max piercing	15mm	40mm	45mm	50mm
	Edge Cutting	20mm	65mm	75mm	90mm
Stainless steel	Production piercing	12mm	25mm	35mm	50mm
	Max piercing	15mm	25mm	40mm	60mm
	Edge Cutting	20mm	50mm	50mm	100mm
Aluminum	Production piercing	12mm	20mm	25mm	50mm
	Max piercing	15mm	25mm	30mm	60mm
	Edge Cutting	20mm	50mm	50mm	90mm

HUAHENG



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