



<http://www.cutting-welding.com>



  New High Tech. Enterprise In Jiangsu Prov.

**WUXI ZHOUXIANG COMPLETE SET OF WELDING EQUIPMENT CO., LTD.**  
Add: Industry Garden Donghu, Donggang Town, Wuxi City , Jiangsu, China  
Tel: +86-510-88602333 88794887 Fax: +86-510-88791142  
Http: // www.cutting-welding.com E-mail: info@wxzhouxiang.com

EST 1991  
ISO9001:2015   
CE Authentication



**W E L D I N G**



**E Q U I P M E N T**

**WUXI ZHOUXIANG  
COMPLETE SET OF WELDING EQUIPMENT CO., LTD.**



# BRIEF INTRODUCTION



Wuxi Zhouxiang Complete Set of Welding Equipment Co., Ltd., founded in 1991, is located in the so called "Small Shanghai" —Wuxi, nearby the Taihu lake, shortly close to the Beijing–Shanghai High Speed Railway. Our company has more than 320 employees and covers an area of more than 100,000 m<sup>2</sup>. Our company is Jiangsu new high-tech enterprise, and Jiangsu industrial design demonstration enterprise, which combines science, manufacture, trading together.

Zhouxiang Enterprise has three main series of products: complete set of steel structure production machine including H-beam light-duty/heavy-duty production line, H-beam horizontal production line, Corrugated web H-beam production line, Box Beam production line, CNC cutting machine, CNC drilling machine, CNC intersection cutting machine, End face milling machine, shot blasting machine, Automatic welding manipulator, Rotator, Positoner, etc; Laser welding cutting equipment series including Large CO<sub>2</sub> laser cutting machine, Fiber laser cutting machine, pipe laser cutting machine, Robot laser cutting machine, Robot fiber laser cutting machine, etc.

Meanwhile, our company manufactures wind tower automatic production line, Special pressure vessel equipment;

and kinds of rolling machines including Horizontal down roller adjusting 3-roller rolling machine, Upper-roller multi-function 3-roller rolling machine, Arc down roller adjusting 3-roller rolling machine, Mechanical/hydraulic symmetric 3-roller rolling machine, Profile bending machine. Our products have covered the domestic and foreign chemical machinery, military machinery, ship building, boiler, automobile, electric power, construction and steel structure area, etc., and sell well in domestic markets and foreign markets like Europe, United States, Southeast Asia and Middle East, etc.

As a member unit of China Steel Structure Association, our company has gained certification of ISO9001 quality management system and CCC state Compulsory Certification. "zhouxiang" is famous registered trademark of Jiangsu province. H-beam automatic production line achieves Jiangsu famous-brand products, our core technologies obtain about 70 state authorized patents and software copyright.

Our company is willing to work with the global customers sincerely and creating great business with all customers.

## Cutomers from



## WUXIZHOUXIANG COMPLETE SET OF WELDING EQUIPMENT CO.,LTD





# CERTIFICATES & HONORS

## OUR QUALITY COME FROM

- ISO9001/2000 Quality System Certification
- Raw materials purchasing and product manufacturing all aspects of the Quality System
- Perfect customer service support system



# COMPANY PRODUCTS

## I CNC Cutting machine

CNC Multi-head Flame Cutting Machine	01
CNC Plasma Cutting Machine	02
TGS CNC Bench Type Plasma Cutting Machine / ZPB560 Flame Plasma Intersection Cutting Machine	03
CNC Plasma Beveling Machine	04
Edge CNC System / CNC Cutting Machine Plasma Power	05
CNC Series	07

## II Steel structure Production Line

Multi-Head Strip Cutting Machine	09
Vertical Assembly Machine for H-beam	10
Heavy-Duty Vertical Assembly Machine for H-beam	11
Star Beam Assembly Machine	12
H-Beam Assembling, Welding and Straightening Integral Machine	13
H- Beam Steel Horizontal Production Line	14
H-Beam Auto-welding Machine	15
H-Beam Flange Straightening Machine	16
H-Beam Shot-blasting and Cleaning Machine	17
Sheet Shot Blasting Machine	18
GGP1050 Pipe Shot-blasting Machine	19
Technical process of H-Beam(Heavy steel) automatic welding production line	20
Vertical assembly for heavy duty	21
Turning and conveying machine	22
Cantilever welding machine / 180°hydraulic overturning machine	23
YJZ60C Type Hydraulic Straightening Machine / YJZ60B/YJZ80B Type Hydraulic Straightening Machine	24

## III Box Beam Production Line Series Equipment

Technical Process of Welding Box Beam	25
Box Beam Production Line Series Equipment / U Type and Box Type Assembly Machine Model UAJ12	26
Vertical Diaphragm Assembly Machine Model NO.GZ15 / Box Beam Overturning Machine	27
Vertical Assembly Machine Model NO.UZJ12	27
Gantry Type Box Beam Welding Machine Model No.LMHA-4000	28
Cantilever Type(NOZZLE Melt) Electro-slag Welding Machine Model XDZ-12	29
Cantilever Type(wire Melt) Electro-slag Welding Machine Model XDZ-12	29
XXBC-12 Modle Cantiever Type Back Welding Machine	30
XXBH-12 Model Cantilever Type Submerged ARC Welder(single ARC Single Wire)	31
CNC/DX1215 Model CNC face milling machine / Face milling machine model No.DX1215	32
Edge milling machine	33
Beveling Equipment	34
CNC Drilling Machine	35

# → COMPANY PRODUCTS

# CNC CUTTING MACHINE →

## IV Zhouxiang Welder

Model IGBT inverter DC manual ARC welder	38
ARC welding(AW) rectifier	39
Model IGBT inverter multi-purpose pulse argon ARC welder	40
Series of WSM model mosfet inverter pulse argon ARC welder	41
Model IGBT inverter multi-purpose pulse argon ARC welder	42
WS series IGBT inverter argon ARC welder	43
Model NBC inverter CO <sub>2</sub> welder/NBM series GAS shield pulse argon ARC welder	44
Model ZKR thyristor Co <sub>2</sub> welder	45
LG Series Inverter Plasma Cutter	46
Model KDG air plasma cutter/ Model RSRJ series screw welder	47
Model IGBT inverter DC manual ARC welder	48
Model DN pneumatic AC resistance welder / Whole position shall-tube welding machine	49

## V Assistant Welding Machine

Auto-welding manipulator different kinds of mating welding schematic drawing	50
Short Pipe Flange Welding Center	51
Welding positioner series	53
Conventional Welding Rotator	57
Self-Aligned Welding Rotator	58
Fit-Up Rotator	59
Welding manipulator series	61

## VI Zhouxiang Heavy Industry

W1XNC horizontal down roller adjust 3-roller rolling machine	64
W11SNC upper roller multi-function 3-roller rolling machine	66
W11HNC Arc down-adjusting 3-roller rolling machine	67
W11GNC special 3-roller rolling machine for Tank car	68
W11 mechanical symmetric 3-roller rolling machine	69
4-roller rolling machine	70
JW profile bending machine	71
Wind tower equipment	73



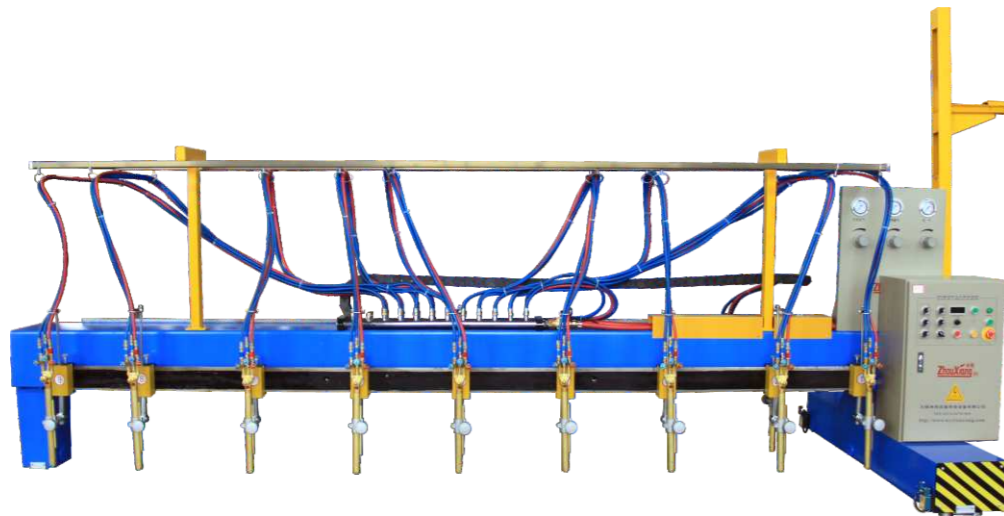


# → CNC CUTTING MACHINE

## ▶ MULTI-HEAD STRIP CUTTING MACHINE

### ▶ TECHNICAL PERFORMANCE

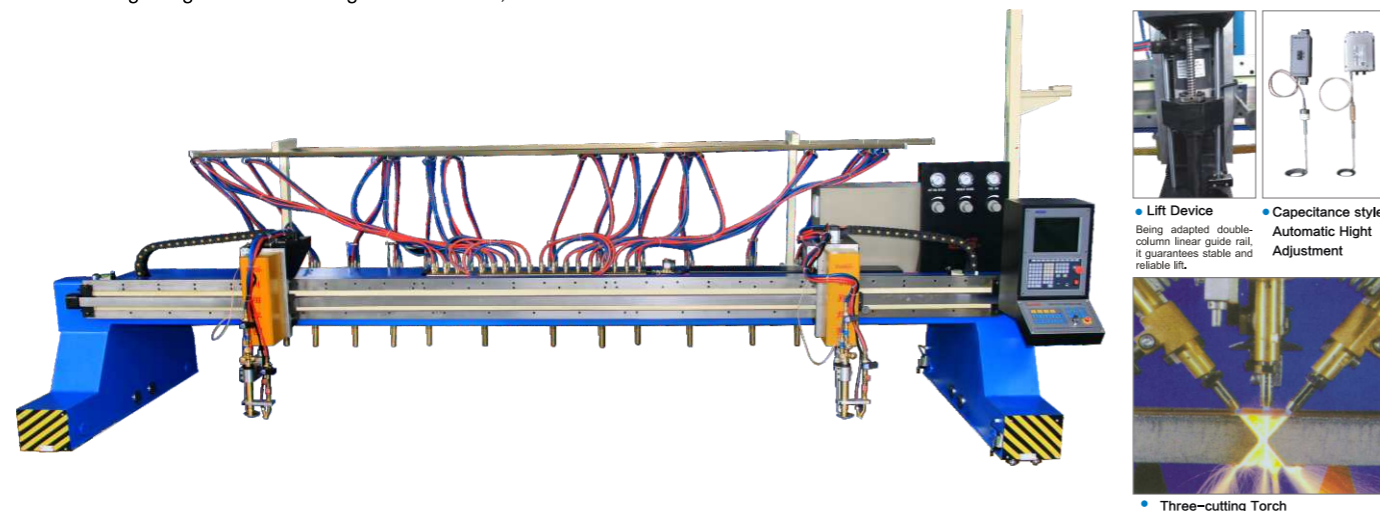
This series of cutting machine is a high efficiency and high performance equipment, which uses gantry type, single drive or double drive, and combines CNC control, precision mechanism, and oxygen cutting. This machine is a kind of plate cutting machine in high efficiency for straight plate, which the longitudinal cutting torches can be deployed according to the requirement. Many pieces of plates can be cutted at the same time.



## ▶ CNC MULTI-HEAD FLAME CUTTING MACHINE (DOUBLE DRIVE)

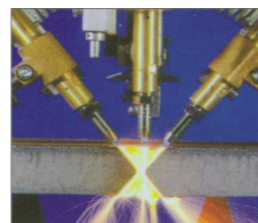
### ▶ TECHNICAL PERFORMANCE

This series of cutting machine is a high efficiency and high performance equipment, which uses gantry type, single drive or double drive, and combines CNC control, precision mechanism, and oxygen cutting. This machine uses advanced CNC system from abroad, such as Spanish Fagor and American Hypertherm. Its excellent cutting parameters, reliable and stable features ensures the perfect cutting effect. CNC flame torch has auto height regulator and auto ignition functions, which is convenient for use.



• Lift Device  
Being adapted double-column linear guide rail, it guarantees stable and reliable lift.

• Capacitance style Automatic Height Adjustment

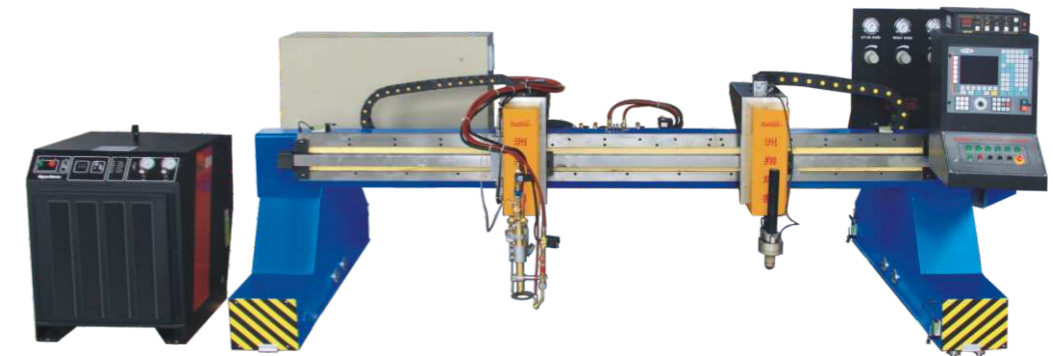


• Three-cutting Torch

Gauge	Effective cutting width	Effective cutting length	Min. Distance of torch		Cutting depth	Cutting speed	Free running speed
			CNC	Strip			
3000-10000mm	2200-9200mm	Length of railway -2500mm	230mm	80mm	6-200mm	50-1000mm/min	≤6000mm/min

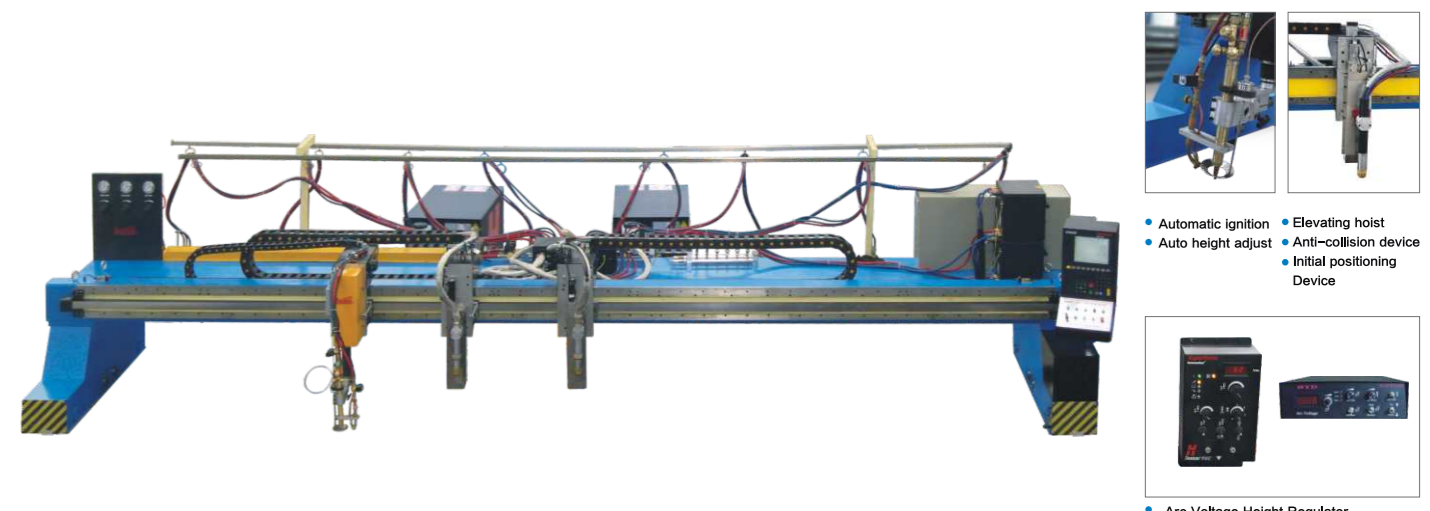
## ▶ CNC PLASMA CUTTING MACHINE (DOUBLE PLASMA)

### ▶ SINGLE PLASMA



### ▶ TECHNICAL PERFORMANCE

Accumulating several years' experience in cutting area, this series of CNC cutting machine is our latest excellent type. The transverse beam adopts wide buildup box structure, and has slinky grand shape, fine steel performance, and stable running. This machine is fit for fast plasma cutting, and has a wide range of cutting, high efficiency, good quality, without smoke, less pollution of noise and arc light, less deformation of work-piece, and is also suitable for under-water cutting.



• Automatic ignition  
• Auto height adjust

• Elevating hoist  
• Anti-collision device  
• Initial positioning Device



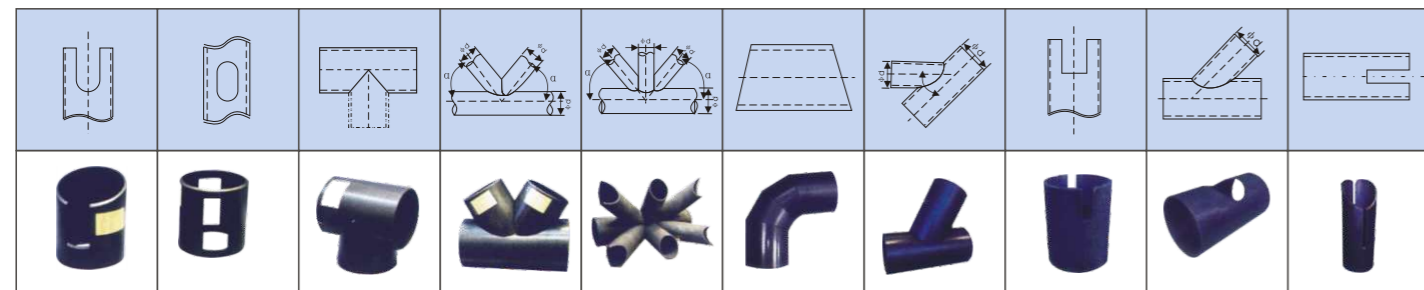
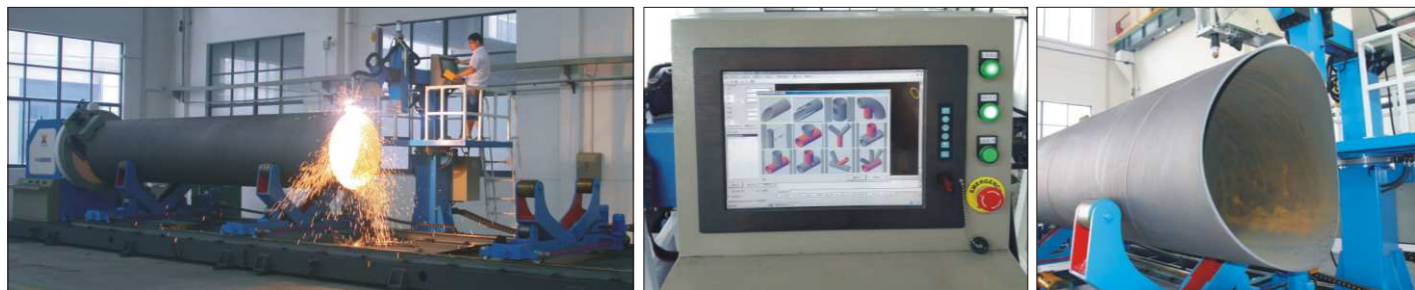
• Arc Voltage Height Regulator

Gauge	Effective cutting width	Effective cutting length	Min. distance of torch	Cutting depth	Cutting speed	Free running speed
3000-10000mm	2200-9200mm	Length of railway -2500mm	230mm	≤75mm	50-3000mm/min	≤6000mm/min

# → CNC CUTTING MACHINE

## ▶ FLAME PLASMA INTERSECTION CUTTING MACHINE

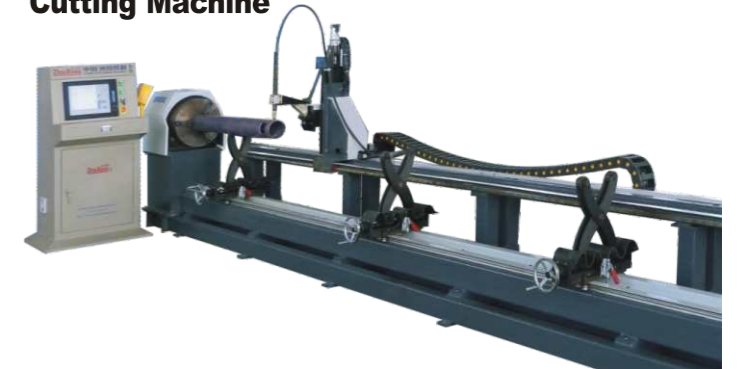
### ▶ ZPB6140 FLAME PLASMA INTERSECTION CUTTING MACHINE



### ▶ ZPB680 Flame Plasma Intersection Cutting Machine



### ▶ ZPB440 Flame Plasma Intersection Cutting Machine



### ▶ ZPB560 Flame Plasma Intersection Cutting Machine

## ▶ TECHNICAL PERFORMANCE

ZPB560 CNC pipe intersection cutting machine is special CNC equipment which is used for cutting metal pipe automatically. It can realize auto program and auto CNC nesting work for any complicated joint type of intertube and pipe and non-intertube. And can cut any type welding bevel at one time. This product is widely used for steel structure, shipbuilding, bridge and heavy machine industries.

Model	ZPB-440	ZPB-560	ZPB-680	ZPB-6140
Moving axle number	4 axle	5 axle	6 axle	6 axle
cutting pipe dia.(mm)	Φ=60-400	Φ=60-600	Φ=120-800	Φ=200-1400
Plasma cutting pipe thickness	δ 1= depend on plasma power			
Effective cutting workpiece length(mm)	L1=12000 (can be made according to customer's request)			
Request workpiece ovality	≤ 1%			
Cutting speed(mm/min)	V=10-3000			
Moving speed(mm/min)	V0=10-6000			V0=10-7900
Cutting torch axial swing angle	α =±45° (Plasma should not have current interruption)			
Flame torch cutting thickness(mm)	50			



## ▶ EDGE CNC SYSTEM

### ▶ EDGE Pro system



EDGE Pro CNC system is developed special cutting machine for plasma flame lase high-voltage water by American HYPERTHERM AUTOMATION company, basis on WINDOWS interface operate CNC system. The system interface design move controlling adopt latest technology, with great function, convenient operation, having super hard disk and memory,15 inch touch panel. USB interface parameter graphics base,etc. Which is a most intelligentize system for cutting process. Built-in work site and operation floor is having good feel operation arm. It makes convenient operation because of Speed potentiometer and Cut torch position control.

### ▶ SF-2300H CNC control system



SF-2300H CNC control system is designed by Beijing STARFIRE company,with excellent function, reliable quality, practical function in CNC cutting machine, great cost performance. Use 10.4" colorful LED display screen, Chinese and English human-machine interface, parametric graphics library, very powerful cutting process and manufacturing function.

### ▶ FAGOR8037 control system



FAGOR8037-CNC system is made by Spain FAGOR Company which has excellent functions, reliable quality and flexible matching, features: multi-language, PLCcenter control unit, 7.5 colour LCD and USB INTERFACE.

### ▶ MicroEDGE CNC control system



MicroEDGE graphics cut controller is HYPERTHERMAUTOMATION specially designed for the metal cutting industry, which is the most advanced PC-based motion controller. The controller provides a unique and flexible development platform and imagination, scalable feature set, Micro EDGE use graphical user interface (GU) and Soft motion technology to support up to four axes control and 24-point I/O signal control. In order to broaden the market of his products, allowing cutting machine manufacturers to increase display, mouse and keyboard to personalize the final system. Other features such as remote control rod, speed potentiometer, network, CAD / CAM software, nesting software, and so on realize the greatest increase in production efficiency. (Users can choose their own sets of materials software)

## ▶ CNC CUTTING MACHINE PLASMA POWER

### ▶ CutMaster A120

With 80% powerful rated load cycle, the system can do cutting all day long even at bad surrounding. It is easy to install at any time because it has portable design and practical foundation. The design of cutting torch valve shorten the changing time of components, thus improve productivity. Designing program can test the working position of cutting torch and alternate between automatic and manual cutting. Design of special software makes the system can be used in many field, such as thin material and pipe. It can prolong the load capacity time and improve the operating performance.



### ▶ The new Auto-Cut XT systems deliver the next step in flexibility and reliability in heavy plate cutting applications.

1. Maximum Life Parts to Lower Operating Costs
2. Increased Productivity for Greater Profits
3. Water Mist Secondary (WMS) for Low Cost, High Quality Cutting on Non-Ferrous



### ▶ Hpr130 latest precision plasma cutting system

It saves half expense and brings incomparable cutting precision, whose through hole cutting thickness reaches 16mm and maximum current currency. HPR130 has precision plasma no slag cutting quality, faster cutting speed and longer vulnerable life which is twice as long as other cutting system at the same time. During the whole vulnerable parts life cycle, Hypertherm's latest technology can stay high cutting precision, so that you can make records on board using HPR130, without replacing vulnerable piece.



## AMERICAN VICTOR PLASMA POWER TECHNICAL PARAMETER

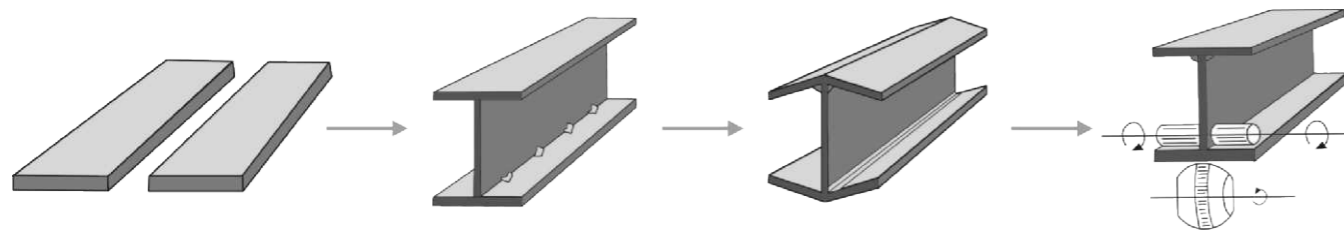
Name	CutMaster A40	CutMaster A60	CutMaster A80	CutMaster 120	AutoCut 100	AutoCut 200	AutoCut 300	
Description	light-duty, common, inverter				heavy duty, common			
carbon steel	Max perforation	6mm	10mm	12mm	18mm	15mm	25mm	35mm
	Best cutting	4mm	8mm	10mm	15mm	15mm	25mm	35mm
	Max cutting	15mm	20mm	25mm	30mm	35mm	50mm	75mm
stainless steel	Max perforation	6mm	10mm	12mm	18mm	15mm	25mm	35mm
	Best cutting	4mm	8mm	10mm	15mm	15mm	25mm	35mm
	Max cutting	15mm	20mm	25mm	30mm	35mm	50mm	75mm
Aluminum	Max perforation	6mm	10mm	12mm	18mm	15mm	25mm	35mm
	Best cutting	4mm	8mm	10mm	15mm	15mm	25mm	35mm
	Max cutting	15mm	20mm	25mm	30mm	35mm	50mm	75mm
voltage /power	380V\6.3KW	380V\9KW	380V\12KW	380V\15.4KW	380V\16KW	380V\32KW	380V\48KW	
current range	20-40A	20-60A	30-80A	30-120A	10-100A	10-200A	10-300A	
cutting gas	air, the pressure to plasma inlet no less than 6.2bar				air, O <sub>2</sub> , N <sub>2</sub> , H35,F5(inlet pressure above 8bar)			
load cycle	80% (continuous working)				100% (continuous working)			

## AMERICAN HYPERTHERM PLASMA POWER TECHNICAL PARAMETER

Name	PMX45	PMX65	PMX85	PMX105	PMX125	MAXPRO200	HSD130	HPR130	HPR260	
Description	light-duty, common, inverter					heavy-duty, fine-duty, quick oxygen cutting				
Carbon steel	Max perforation	10mm	12mm	15mm	20mm	25mm	32mm	25mm	16mm	32mm
	Best cutting	8mm	10mm	12mm	12mm	16mm	20mm	16mm	12mm	25mm
	Max cutting	12mm	16mm	20mm	25mm	32mm	50mm	38mm	25mm	50mm
Stainless steel	Max perforation	10mm	12mm	15mm	15mm	20mm	25mm	20mm	16mm	32mm
	Best cutting	8mm	10mm	12mm	12mm	12mm	20mm	16mm	12mm	25mm
	Max cutting	12mm	16mm	20mm	20mm	32mm	50mm	25mm	25mm	50mm
Aluminum	Max perforation	10mm	12mm	15mm	15mm	20mm	25mm	20mm	16mm	32mm
	Best cutting	8mm	10mm	12mm	12mm	12mm	20mm	16mm	12mm	25mm
	Max cutting	12mm	16mm	20mm	20mm	32mm	50mm	25mm	25mm	50mm
Voltage /power	380V/6.3KW	380V/8.4KW	380V/12KW	380V/16KW	380V/22KW	380V/33KW	380V/19.5KW	380V/19.5KW	380V/45.5KW	
Current range	20-40A	20-65A	20-85A	20-105A	30-125A	20-200A	130A	130A	260A	
Cutting gas	air, the pressure to plasma inlet no less than 6.2bar					air, O <sub>2</sub> , N <sub>2</sub> , H35,F5(inlet pressure above 8bar)				
Load cycle	60% (continuous working)				100%	100% (continuous working)				



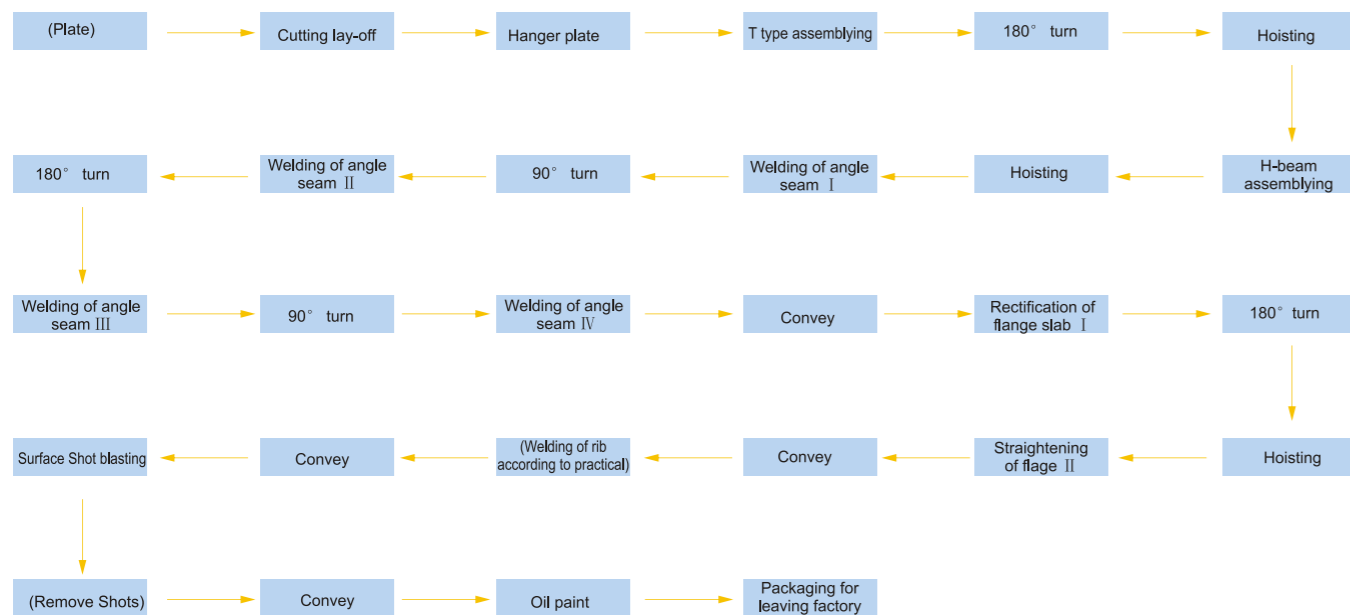
# H-BEAM (LIGHT DUTY) PRODUCTION LINE



➤ Multiple strip gas cutting machine ➤ H beam assembling machine ➤ The gantry submerged arc welding machine ➤ H-beam straightening machine

The production line of common H type steel is made up of some mainly equipment such as multiple tip gas cutting machine, H-beam assembling machine, the gantry submerged arc welding machine, straightening machine and shot blasting machine etc. It is much flexible and can be operated independently by single machine on the manufacturing technology. In order to improve whole operating efficiency, it also can be added some devices discretionarily at different parts of technology.

## ➤ Steel structure Production Line



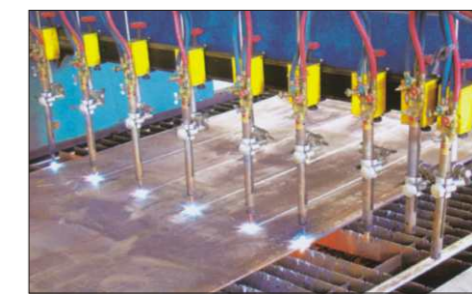
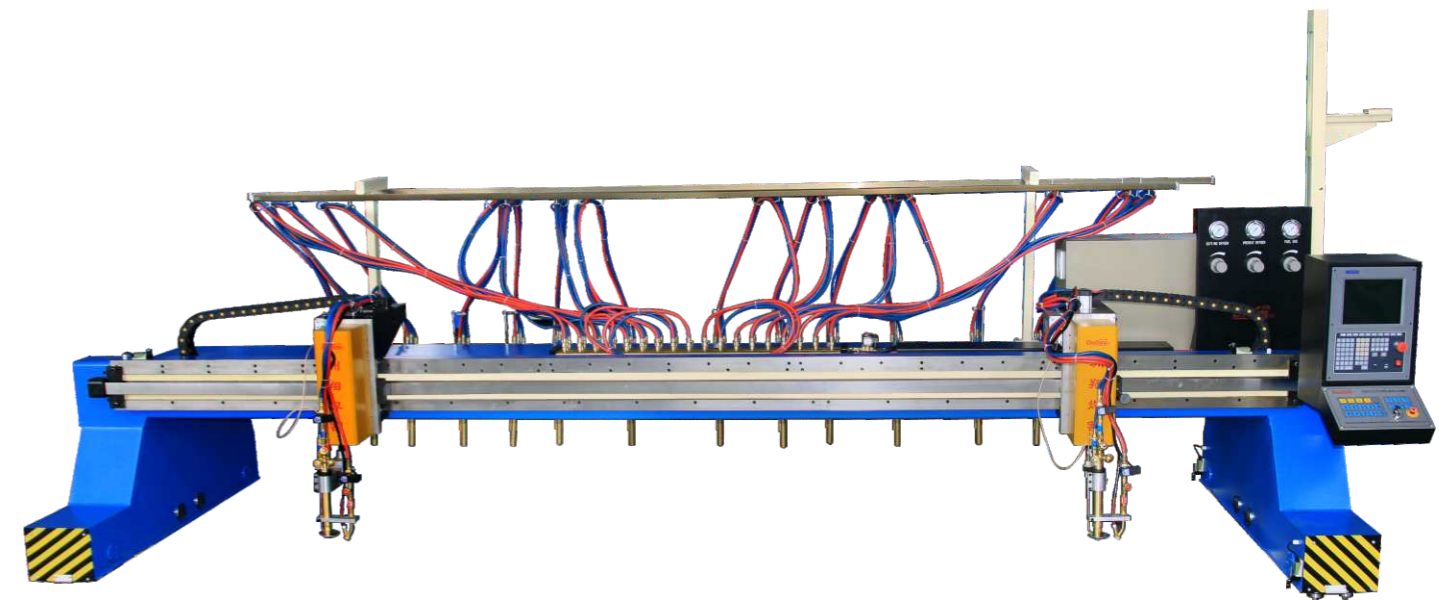
## STEEL STRUCTURE PRODUCTION LINE



### ➤ CNC MULTI-HEAD FLAME CUTTING MACHINE

#### ➤ TECHNICAL PERFORMANCE

This series of cutting machine is a high efficiency and high performance equipment, which uses gantry type, single drive or double drive, and combines CNC control, precision mechanism, and oxygen cutting. This machine uses advanced CNC system from abroad, such as Spanish Fagor and American Hypertherm. Its excellent cutting parameters, reliable and stable features ensures the perfect cutting effect. CNC flame torch has auto height regulator and auto ignition functions, which is convenient for use.





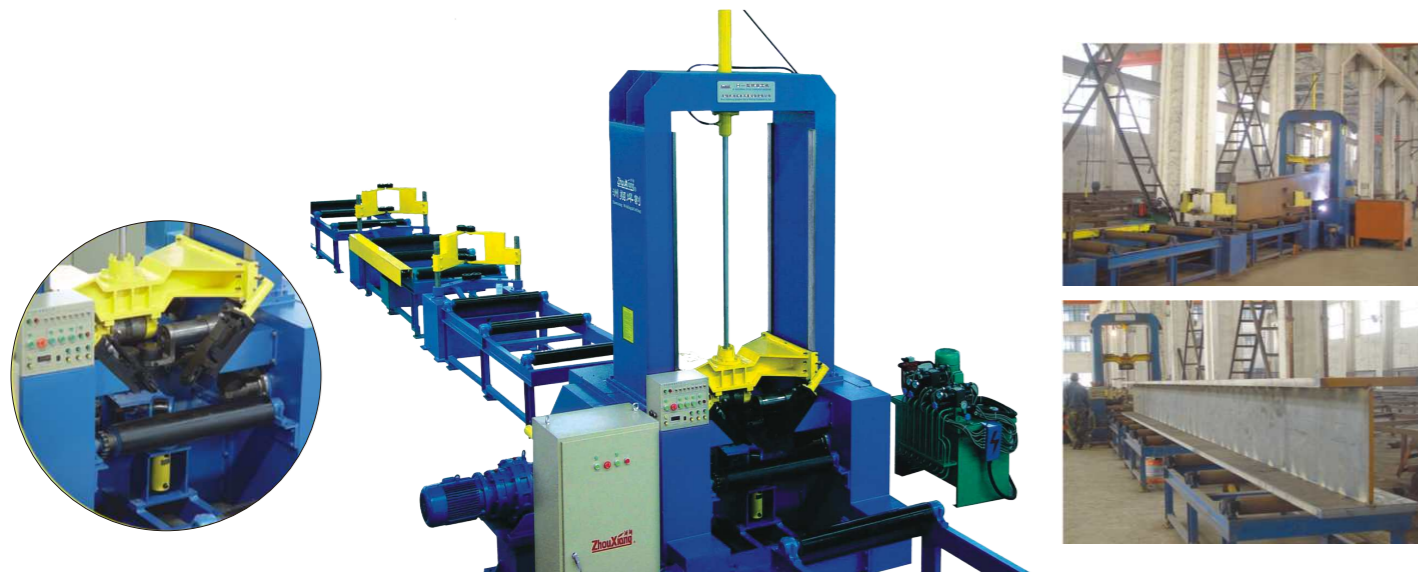
# STEEL STRUCTURE PRODUCTION LINE



## VERTICAL ASSEMBLY / HEAVY-DUTY VERTICAL MACHINE FOR H-BEAM

### TECHNICAL PERFORMANCE

The vertical assembly machine which the flange,web fastening and calibrating,positioning,and auto spot welding equipped,all of which accept the Japanese Mitsubishi programmable controller and the AC frequency converter so as to increase the productivity one times above comparing with common products,with the features of stable and reliable working state and the welding gun is equipped by the arc-tracing device to ensure the quality of spot welding.



Size of the web			Size of the flange			Assembling speed	Power Overall 9.5KW (two welding machines are excluded)
Height	Thickness	Length	Width	Thickness	Length		
200-1500/1800/2000mm	6-32mm	4000-15000mm	200-800mm	6-40mm	4000-15000mm	0.5-6m/min	

## STAR BEAM ASSEMBLY MACHINE



### TECHNICAL PERFORMANCE

Star beam assembling machine is a special machine which assembles welded H beam and T beam to be star beam. It adopts frequency speed adjust mode to control assembling speed, through hydraulic system(hydraulic station, hydraulic motor, hydraulic oil cylinder)to positioning and clamping workpiece. It also adopts encoder and digital display meter to inspect and set up positioning size, and does spot welding with manual welding mode.

Web plate height	200~1000mm	Flange plate thickness	12~70mm
Web plate thickness	12~60mm	Assembling speed	0.5~6m/min
Flange plate width	200~800mm	Machine power	20.7KW

