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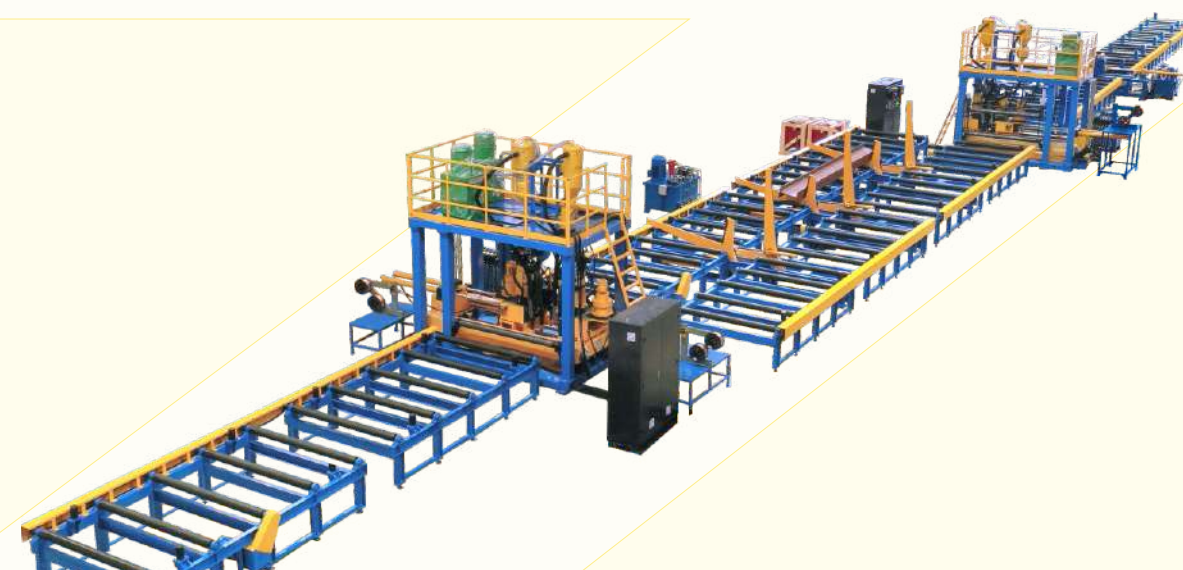
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X ZHOUXIANG



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.



Introduction

Wuxi Zhouxiang was founded in 1991. The company has fixed assets over 100 million RMB and covers an area of 100,000 sqm. It has more than 300 workers including more than 100 engineering and technical personnel. It is a scie. & tech. enterprise gathering scientific study, industrial development and trade onto one body.

Zhouxiang's main products including: H beam / Box beam steel structure production line series equipment, CNC cutting machine, shot blasting machine, auto welding manipulator, welding rotator, plate rolling machine, profile bending machine, welding robot, H-beam laser cutting machine. The products have been exported to a lot of countries in Southeast Asia, Middle East, South American area and so on.



*Sincerely welcome global customers and peer friends to cooperate with us,
and we look forward to creating brilliant careers with you !*



CERTIFICATES & HONORS

COMPANY PRODUCTS

OUR QUALITY COME FROM

- ISO9001/2015 Quality System Certification
- Raw materials purchasing and product manufacturing all aspects of the Quality System
- Perfect customer service support system



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CNC CUTTING MACHINE

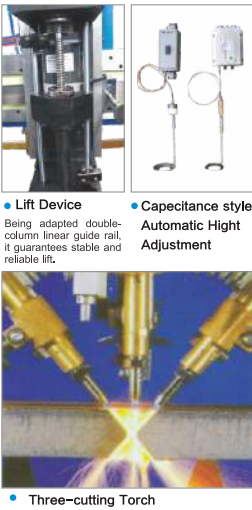
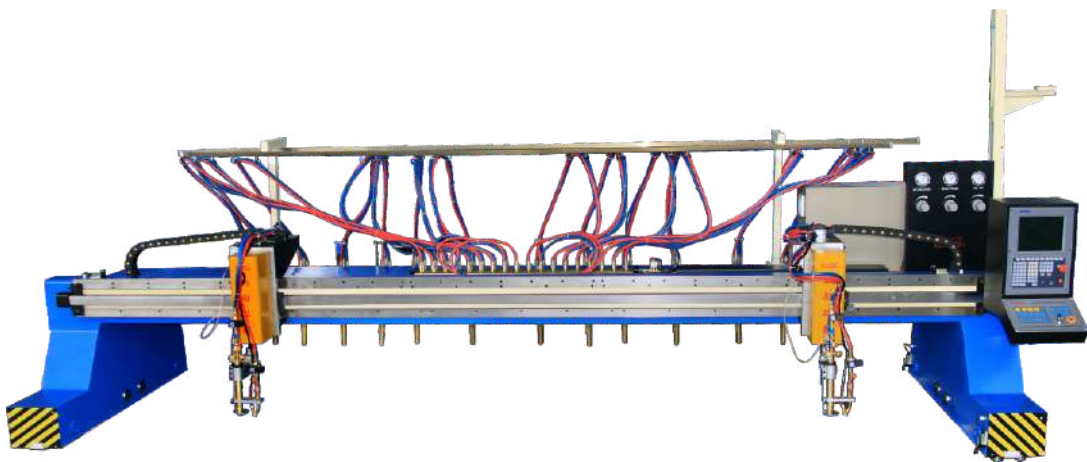


→ CNC CUTTING MACHINE

▶ CNC FLAME PLASMA STRIP CUTTING MACHINE

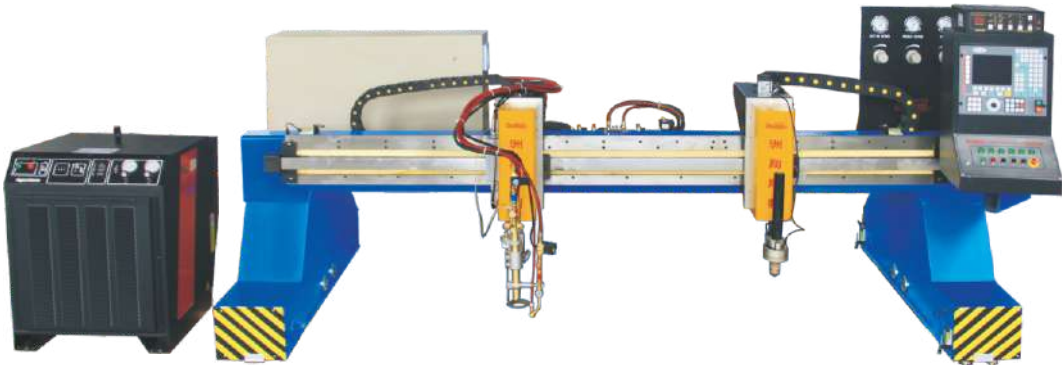
▶ TECHNICAL PERFORMANCE

This series of CNC flame plasma cutting machines adopt a gantry structure with double side drive, and are high-efficiency and high-performance automated equipment that combines computer control, precision machinery and oxygen gas cutting.



▶ TECHNICAL PERFORMANCE

This series of CNC cutting machines feature a wide cutting range, high efficiency, and excellent quality. They can also be used for underwater cutting, generating no dust and significantly reducing noise and arc light pollution. Moreover, the cut parts have minimal deformation.

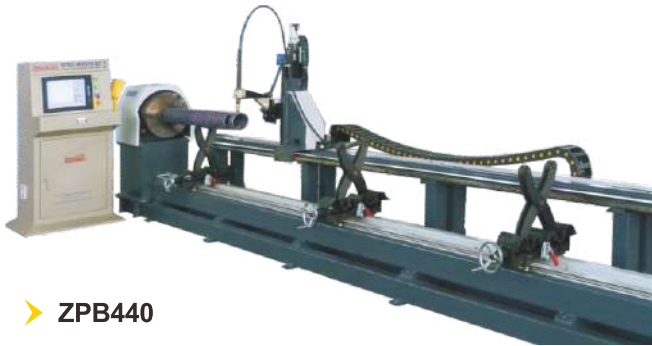


Gauge	Effective	Effective cutting length	Min. Distance of torch		Cutting depth	Cutting speed	Free running speed
			CNC	Strip			
3000-8000mm	2200-7200mm	Length of railway ~2500mm	230mm	80mm	6-200mm	50-3000mm/min	≤6000mm/min

▶ CNC FLAME PLASMA INTERSECTION CUTTING MACHINE

▶ TECHNICAL PERFORMANCE

The ZPB series CNC intersection pipe cutting machine is a dedicated CNC equipment for fully automatic cutting of metal pipes. It can conveniently achieve fully automatic programming and fully automatic CNC sleeve layout processing for any complex pipe and non-pipe connection forms, and all kinds of welding bevels can be cut into shape in one pass. This product has been widely applied in industries such as steel structures, ships, bridges, and heavy machinery.



▶ ZPB440



▶ ZPB560

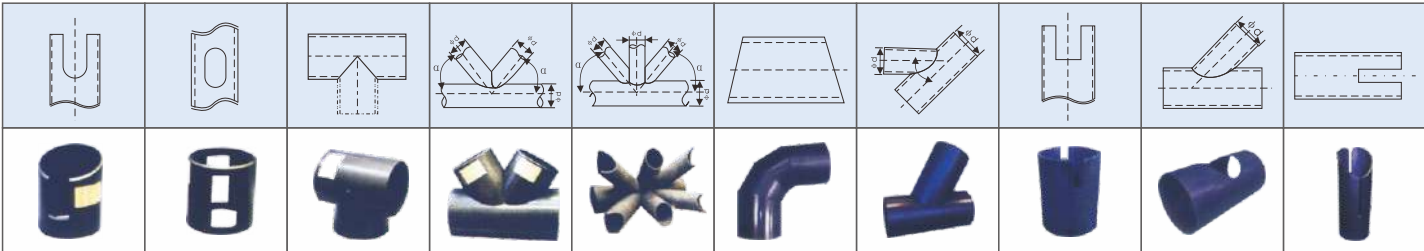


▶ ZPB680



▶ ZPB6140

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			



CNC SYSTEM / CNC CUTTING MACHINE PLASMA POWER

CNC system

SF-2400H CNC control system

SF-2400H 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, PLC center control unit, 7.5 colour LCD and USB INTERFACE.



Americam Hypertherm EDGE Connect CNC system

EDGE Connect, Hypertherm's newest Computer Numeric Control (CNC) platform, delivers unmatched reliability, powerful embedded capabilities, and a high level of customizability. Based on our proprietary, industry-leading Phoenix CNC platform, the system offers new, advanced software features – including ProNest CNC automatic nesting delivering SureCut technology – along with enhanced hardware.



CNC cutting machine plasma power

Zhouxiang Plasma

The unique design of Wuxi Zhouxiang CUT-100, CUT-130, CUT-200 plasma power nozzle is mainly to enhance heat dissipation, because the main principle of plasma arc cutting metal is to melt the metal at high temperature and blow it away, so the extremely fast heat dissipation quality of the nozzle has directly affects the service life of the nozzle. The stepped outside of the nozzle can more effectively mix the hot and cold gases and increase the heat dissipation surface area. The chrome-plated surface greatly reduces thermal oxidation, allowing the hot surface combines with gases effectively, which can make cooling more efficient.



American Hypertherm Plasma

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.



PLASMA POWER TECHNICAL PARAMETER

China zhouxiang plasma power

Model		CUT-100	CUT-130	CUT-200	CUT-300	CUT-400
Carbon Steel	Max. perforation	16	20	25	35	35
	Best cutting	12	16	20	30	40
	Max. cutting	20	25	30	40	50
Stainless Steel	Max. perforation	15	18	20	25	25
	Best cutting	12	15	15	20	20
	Max. cutting	20	20	25	30	35
Aluminum	Max. perforation	15	18	20	25	25
	Best cutting	12	15	15	20	20
	Max. cutting	20	20	25	28	30
Power		14.5KW	18.7KVA	33.3KVA	57KVA	70KVA
Current range		35-100A	35-130A	35-200A	90-300A	90-400A
Cutting gas		Air	Air	Air/N ₂	Air/N ₂	Air/N ₂
Load cycle		100%	100%	100%	100%	100%

American hypertherm plasma power

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

STEEL STRUCTURE PRODUCTION LINE

H-BEAM ASSEMBLING, WELDING AND STRAIGHTENING INTEGRAL MACHINE



INTRODUCTION

The H beam assembling, welding and straightening integrated machine is a high-tech machine independently developed by Zhouxiang Company. After more than ten years of continuous improvement, it holds six invention patents and utility model patents.

The H beam assembling, welding and straightening integrated machine is a specialized equipment for the assembly, welding and straightening of H-beams. It integrates the processes of the assembly machine, gantry welding machine and straightening machine into one machine, saving space, reducing labor, lowering equipment costs and significantly improving production efficiency. It is an ideal and efficient production equipment for T-beams and H-beams.

PERFORMANCE AND CHARACTERISTIC

- 1. The assembly main machine adopts the structure of the heavy-duty assembly machine that has applied for an invention patent. The web plate and flange plate are automatically centered and positioned, which significantly improves the assembly accuracy and efficiency.
- 2. The welding torch fixing mechanism is independently set up. It can not only adjust the height and horizontal movement position, but also adjust the angle of the welding torch in two directions, ensuring the aesthetic formation of the weld seam.
- 3. The straightening auxiliary machine features a unique design structure. Two straightening wheels actively correct the workpiece under the push of the oil cylinder. The straightening mechanism does not block the view at the weld seam, making the adjustment of the welding torch and the observation of the weld seam quality very convenient
- 4. The main assembly machine can be disassembled from the straightening auxiliary machine and used separately as a welding machine or an assembly machine.
- 5. After modification, the straightening auxiliary machine can be used as a small straightening machine.
- 6. An optional intelligent control module is available.

TECHNICAL PARAMETER

Web plate height	Web plate thickness	Straightening speed	flange plate width	flange plate thickness	main machine power
200-1500mm	6-14mm	0.35-3m/min	200-800mm	6-20mm	17.5KW



→ STEEL STRUCTURE
PRODUCTION LINE

▶ H-BEAM HORIZONTAL PRODUCTION LINE



End Assembly



Submerged Arc Welding



180° Overturning

▶ INTRODUCTION

H-beam Horizontal production line consists of assembling machine, auto welding machine, overturning machine and input / output conveyor. It is suitable for H beam volume-produce. The production efficiency is 1.5 times that of the ordinary production line.

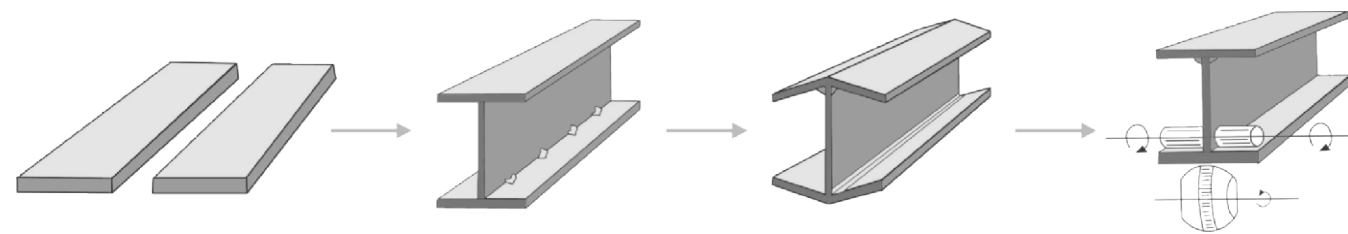
▶ ADVANTAGES

1. Adopting horizontal assembling to make H shape at one time to improve assembling efficiency.
2. Adopting horizontal welding to reduce welding deformation.
3. Adopting single arc double wires method to improve welding speed.

▶ TECHNICAL PARAMETER

Web height	Web thickness	Weiding speed	Flange width	Flange plate thickness
250-1500mm	4-16mm	0.3-1.2m/min	150-500mm	5-20mm

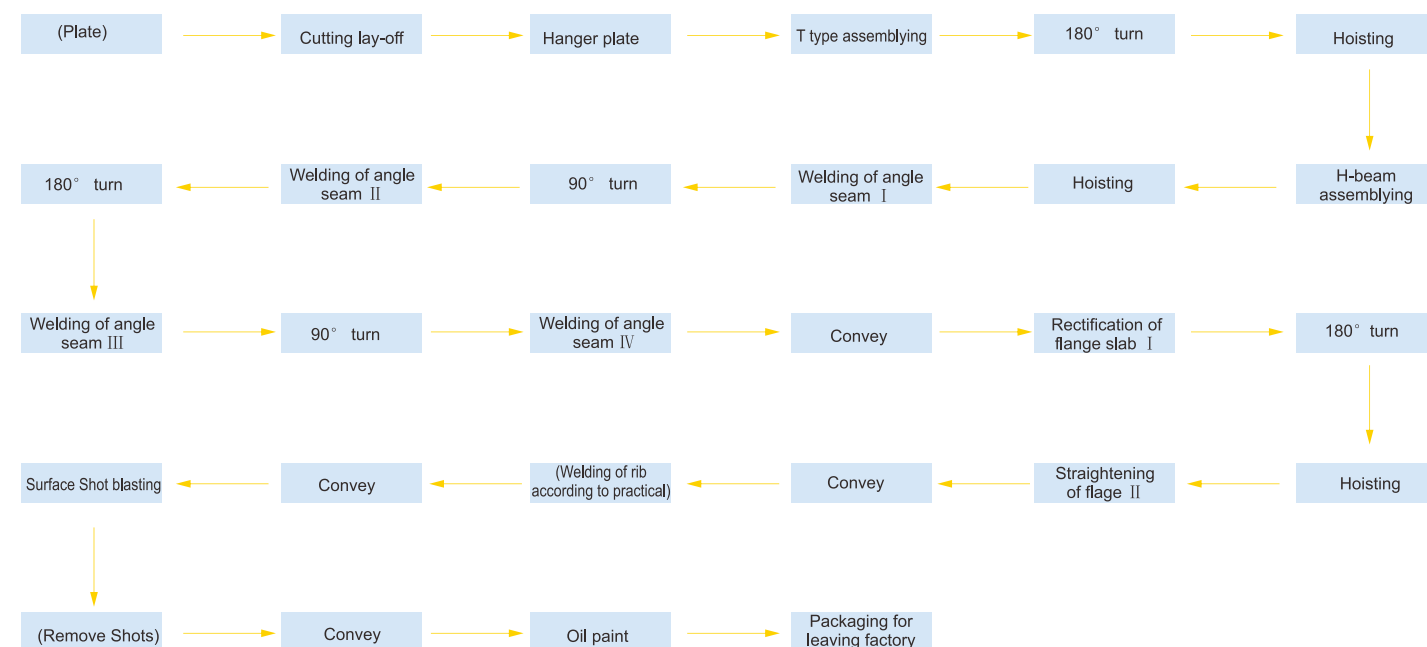
H-BEAM → PRODUCTION LINE



➤ 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.

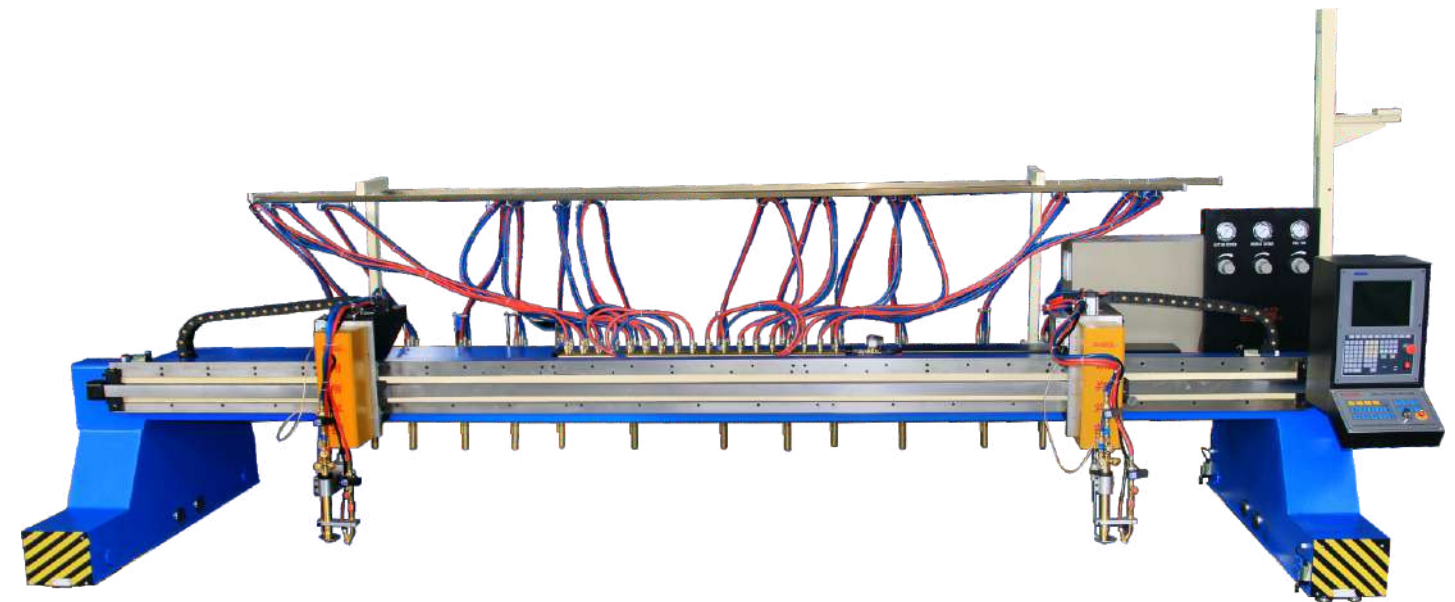
➤ Steel structure Production Line



➤ 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.

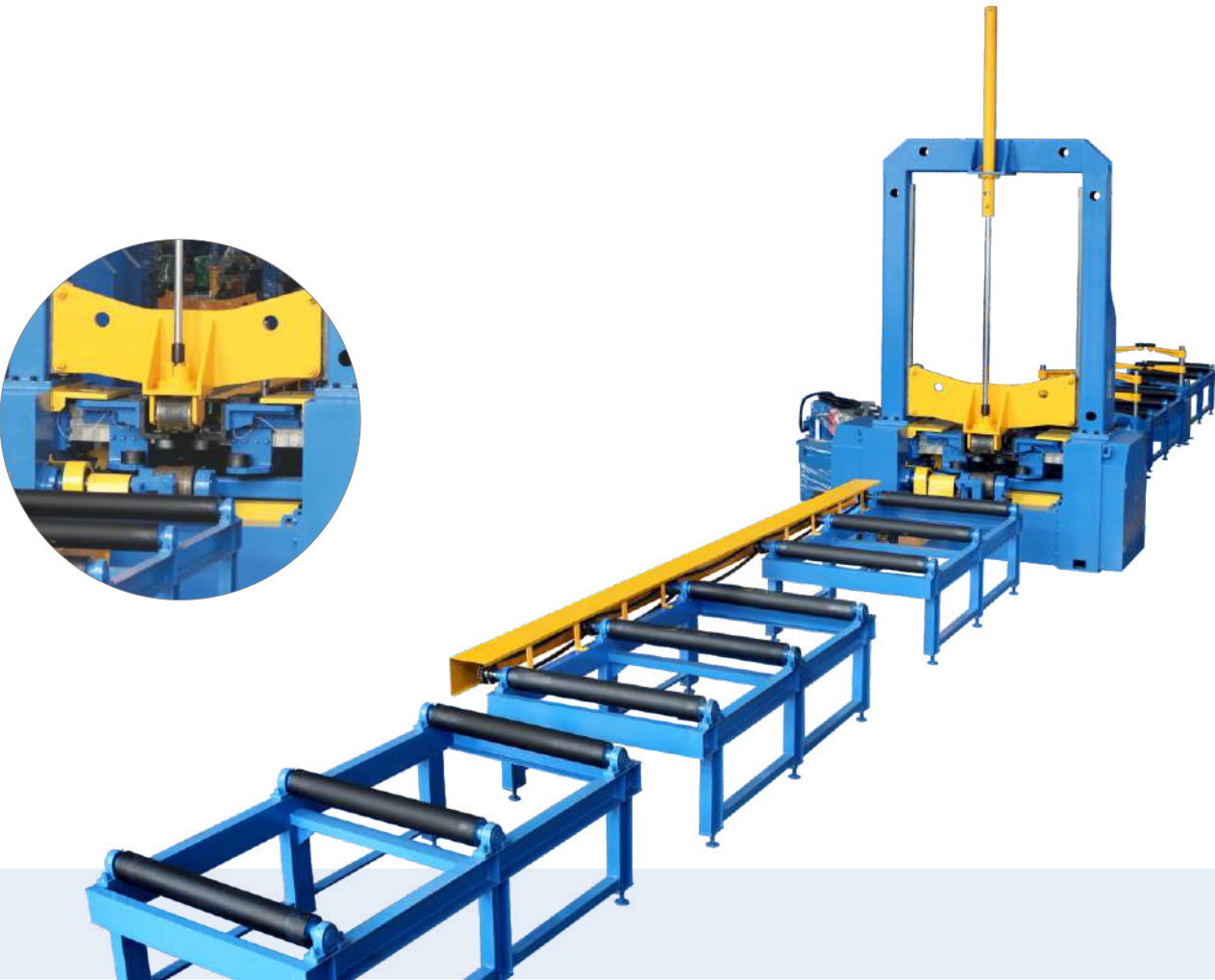


➔ H-BEAM PRODUCTION LINE

➤ H-BEAM VERTICAL ASSEMBLY MACHINE

➤ TECHNICAL PERFORMANCE

- 1. Compact structure: The main drive system of the machine is placed inside the main unit, making on-site layout convenient and flexible.
- 2. The web plate and flange plate clamping system has been comprehensively optimized: All are driven by hydraulic motors, featuring high positioning accuracy, large clamping force, wide clamping range, and convenient application and maintenance.
- 3. Standard configuration of web plate support module (for models with web plates over 2 meters)



➤ TECHNICAL PARAMETER

Size of the web		Size of the flange			Assembling speed	Power Overall
Height	Thickness	Width	Thickness	Length		
200-1500/1800/2000mm	6-50mm	200-800mm	6-60mm	4000-15000mm	0.5-6m/min	9.5KW (two welding machines are excluded)

➤ HEAVY-DUTY H-BEAM VERTICAL ASSEMBLY MACHINE

➤ COMPONENTS OF MACHINE

Single machine is composed of main machine, drag bar box, input roller conveyor, output roller conveyor, electrical control box, operation box, hydraulic pump. The assembling machine match with heavy duty H beam production line.

➤ TECHNICAL PERFORMANCE

- 1. Heavy assembling machine keep the function of light duty one that can auto centering and holding, to make the operation more convenient.
- 2. The auto centering mechanism of heavy duty assembling machine adopt hydraulic motor driving and gear transmission, to solve the shortages of light duty one oil cylinder stroke is limit and chain easy to be lengthen. Improving the running reliability of machine.
- 3. Heavy duty assembling machine can process much bigger size H beam according to customer's requirement.



➤ TECHNICAL PARAMETER

Web size		Flange size			Asseby speed	Total power
Height	Thickness	Width	Thickness	Length		
200-2000/2500/3000/3500mm	6-70mm	200-1000mm	6-80mm	6000-15000mm	0.6-6m/min	Single machine:11kw(not including welder) Machine in automatic line:16.5kw (not including welder)

➔ H-BEAM PRODUCTION LINE ➔

▶ DOUBLE FUNCTION ASSEMBLY MACHINE FOR H BEAM AND BOX BEAM

▶ TECHNICAL PERFORMANCE

- 1. The HXZ-0820 type H-beam/box beam dual-purpose assembly machine is an improved version of the mature fully automatic H-beam assembly machine that has been in production for many years. Its performance and application scope are superior to those of the previous generation.
- 2. By replacing the web guide device, the H beam and box beam assembly can be interchanged. Two manual left-right moving clamping wheels are added to the gantry frame for pressing when assembling the box beam. At the same time, a set of hydraulic clamping device for the box beam bottom plate is added in the feeding direction of the gantry frame's lifting beam, making the assembly of the box beam bottom plate and side plates more tight.
- 3. Dual-purpose in one machine, it increases the utilization rate of the equipment, reduces investment costs and saves space.



▶ TECHNICAL PARAMETER

Model	Web size		Flange size		Box beam size
	Height	Thickness	Width	Thickness	
HXZ 0820	200-2000mm	6-50mm	200-800mm	6-60mm	300×300 ~ 800×800mm

▶ H-BEAM AUTO-WELDING MACHINE

▶ PERFORMANCE AND CHARACTERISTIC

- 1. It adopts AC frequency converter speed control, featuring smooth and reliable operation, as well as quick return.
- 2. The adoption of the arc guide frame automatic tracking and centering mechanism can ensure the automatic centering of the welding torch.
- 3. The main machine and the welding machine are linked control, and are equipped with an automatic flux conveying and recovery system, which is convenient to operate and highly efficient.
- 4. The double cantilever automatic welding machine can increase the height of the web plate according to the user's requirements.



LMH-4000

SXBH20

▶ TECHNICAL PARAMETER

Model	Height of web	Width of flange	Model of welder	Mode welding	Welding speed	Returning speed	Rails span	Gantry Power
LMH-4000	200-1500mm	200-800mm	Two sets of model MZ-1-1000 auto submerged-arc welders	boat-type welding	0.25-1.5m/min	3m/min	4000mm	3.3kw
LMH-5000	200-1800mm	200-800mm	Two sets of model MZ-1-1000 auto submerged-arc welders	boat-type welding	0.25-1.5m/min	3m/min	5000mm	3.3kw
SXBH20	200-2000mm	200-800mm	Two sets of model MZ-1-1000 auto submerged-arc welders	boat-type welding	0.25-1.5m/min	3m/min	2000mm	3.3kw



→ H-BEAM PRODUCTION LINE

▶ H-BEAM FLANGE STRAIGHTENING MACHINE



▶ PERFORMANCE AND CHARACTERISTIC

This machine is a special equipment for leveling the H-beam flange whose figure was deformed when it being welding. It has the feature of easy operating, high efficiency, reliable working etc.

▶ TECHNICAL PERFORMANCE

Mode	Width of flange	Thickness of flange	Min height of web	Materia	Straightening speed	Power of over all machine
JZJ-800	200-800	≤40mm	350mm	Q235-A	18m/min	24.2kw

▶ HYDRAULIC STRAIGHTENING MACHINE



▶ TECHNICAL PERFORMANCE

This equipment is different from the YJZ60B hydraulic straightening machine. It adopts the structure of the YJZ80C mechanical straightening machine. The two upper straightening wheels can straightening the flanges downwards. The difference from the mechanical straightening machine is that the power to push the straightening wheels is the oil cylinder. Not a reducer.

The use of upward pressure correction has the following characteristics:

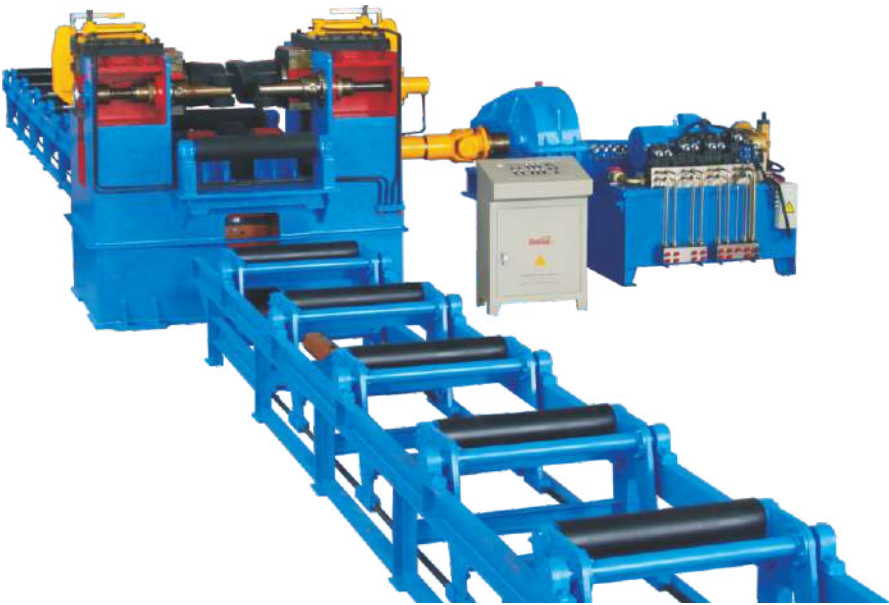
1. The two sides of the flanges can be straightened separately, and the straightening effect can be controlled, so that the straightening flange and web can be into vertical;
2. The conveyors does not need to be raised and lowered, which reduces the cost and is easy to operate.

▶ TECHNICAL PERFORMANCE

Descriptions	With of flange	Thickness of flange	Min height of web	Material	Straightening speed	Total Power
YJZ60C	200-800mm	≤60mm	200mm	Q235-A	9.8m/min	21kw
YJZ80C	200-1000mm	≤80mm	350mm	Q345(16Mn)	6.28m/min	32kw

▶ TECHNICAL PERFORMANCE

This machine is a special equipment for straightening the deformation of welded H beam flange. The hydraulic straightening machine (YJZ60B, YJZ80B) is an oil cylinder top-up type. The equipment has large straightening ability, wide range and high degree of automation.



▶ TECHNICAL PERFORMANCE

Descriptions	With of flange	Thickness of flange	Min height of web	Material	Straightening speed	Total Power
YJZ60B	200-800mm	≤60mm	350mm	Q345(16Mn)	6.15m/min	26kw
YJZ80B	200-1000mm	≤80mm	380mm	Q345(16Mn)	6.1m/min	22kw

→ H-BEAM PRODUCTION LINE

▶ H-BEAM SHOT BLASTING MACHINE

▶ TECHNICAL PERFORMANCE

H-beam shot-blasting and cleaning machine with HGP continuous rolling series is researched and developed in accordance with the features of the steel structure. The machine is adopted with computer 3-dimension dynamic simulating design to locate the position of the shot-blasting machine. The machine is equipped with a highly efficient filter-barrel pulse back-blowing dust removal.



Feeding



Output



Filter cylinder dust collector

▶ MAIN TECHNICAL PARAMETER

Type		HGP0816	HGP1018 / 1020	HGP1220	HGP2225-12
Size of the work-piece	Section(width × height)	800 × 1600 mm	1000 × 1800 / 2000 mm	1200 × 2000 mm	2200 × 2500 × 15000 mm
	Length of the work-piece	3000~12000 mm	3000~15000 mm	3000~15000 mm	3000~15000 mm
Quality Standard	Cleanness of the surface	A-B Sa2-Sa2½	A-B Sa2-A-B Sa2½	A-B Sa2-A-B Sa2½	A-B Sa2-A-B Sa2½
	Roughness of the surface	15~50 μm	15~50 μm	15~50 μm	15~50 μm
Shot-blaster	Qty	8	8	8	12
	Quan of shot-blasting	8 × 200 kg/min	8 × 200 kg/min	8 × 200 kg/min	12 × 240 kg/min
	Power	8 × 11 KW	8 × 11 KW	8 × 11 KW	12 × 15 KW
Inlet and outlet conveyor	Allowable load	1000 kg/m	1000 kg/m	1000 kg/m	1000 kg/m
	Conveying speed	0.5-5 m/min	0.5-5 m/min	0.5-5 m/min	0.5-5 m/min
Ventilation capacity		15000 m³/h	15000 m³/h	15000 m³/h	24000 m³/h
Circulating quan of the shots		120 T/h	120 T/h	120 T/h	180 T/h
Nominal Size(L × W × H)		6770 × 2100 × 3100 mm	7200 × 2300 × 3250 mm	7200 × 2520 × 3650 mm	11300 × 3600 × 4600 mm
Depth of the pit		2150 mm	2100 mm	2100 mm	2300 mm
Total power		140 KW	140 KW	140 KW	270 KW

▶ SHEET SHOT BLASTING MACHINE

▶ TECHNICAL PERFORMANCE

BP/HGP steel sheet shot blasting machine is mainly used to clean the surface of steel sheet and small profile beams. After clean by steel shots, the rust, dust, oxidated skin can be removed, the materials anti-wear strength is improved, the surface and inside quality is promoted. This equipment is widely used for chemical, ship yard, metal structures, steel products, rail vehicles, engineering machinery and bridge industry.

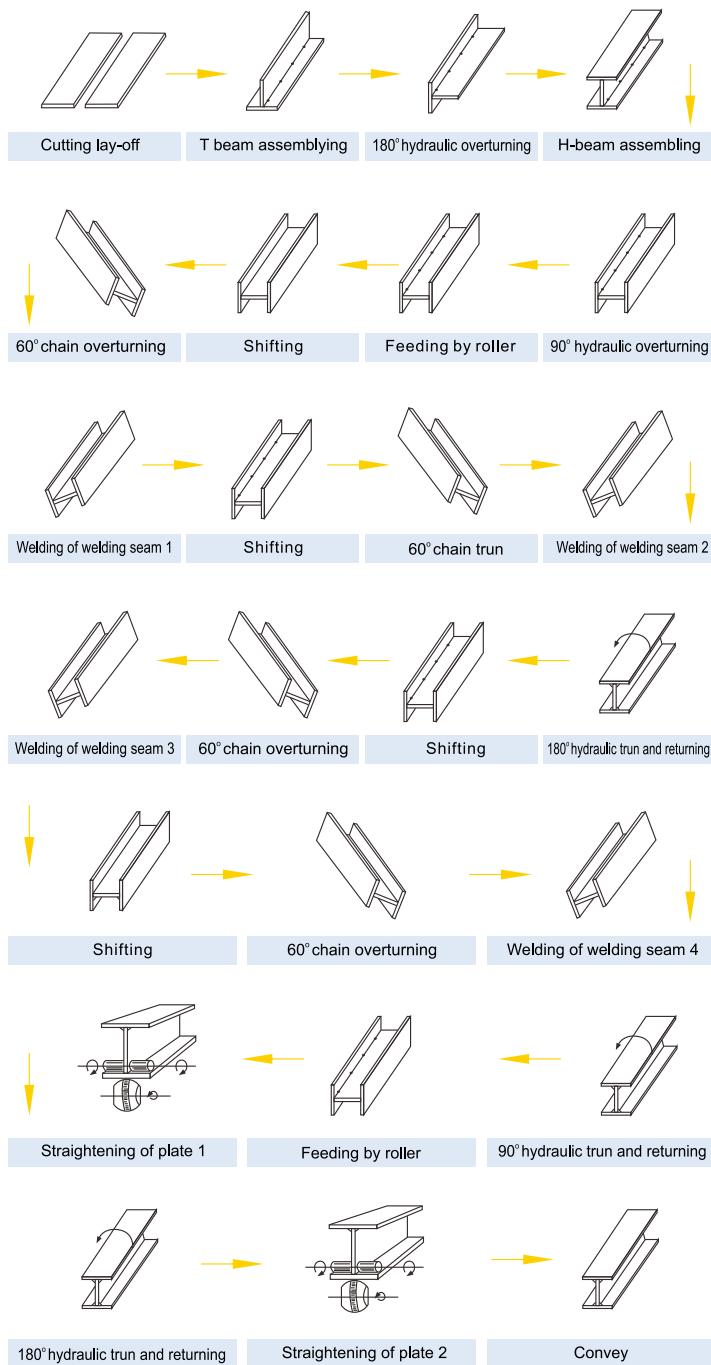


▶ MAIN TECHNICAL PARAMETER

Model		BP2500-6	BP3500-12
Size of work piece	Section(W×H×L)	2500×400×15000mm	2500×1200×1500
	Speed	0.5~5m/min	0.5~5m/min
conveyor	Power	3×3kw	3~5.5kw
	Moder	QZ320	QZ320
	Shot blasting speed	65~70m/s	65~70m/s
Shot blaster	Q' ty × unit power	6 × 18.5kw	12 × 18.5kw
	Power	7.5kw	11kw
Longitudinal conveyor	Conveying capacity	120T/h	180T/h
	Power	5.5kw	7.5kw
Feeding conveyor	Conveying capacity	120T/h	180T/h
	Power	2×4kw	4kw / 5.5kw
Dust collection system	Model	LMC-18	LMC-24
	Ventilation capacity	12000m³/h	2400m³/h
Centrifugal ventilator	Moder	4-72-5A	4-72-8C
	Power	15kw	22kw
Cleaning system	Ventilation capacity	6762m³/h	6762m³/h
	Power	18.5kw	18.5kw
Overall power		154kw	270kw
Overall dimension		7900×3100×3300mm	7900×4100×4300
Height overground+underground of main machine		6600mm+2400mm	8500mm+2560mm

H-BEAM AUTOMATIC → PRODUCTION LINE

TECHNICAL PROCESS OF H-BEAM AUTOMATIC PRODUCTION LINE



H-BEAM AUTOMATIC → PRODUCTION LINE

▶ TURNING AND CONVEYING MACHINE

▶ TECHNICAL PERFORMANCE

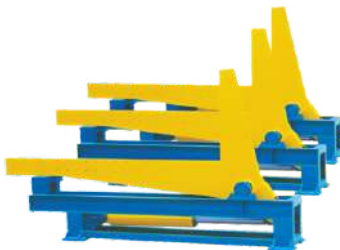
In order to improve manipulating and conveying efficiency and to reduce the usage frequency of overhead crane, we provide the hydraulic overturning machine, conveying machine, overturning support to realize automatic conveying and manipulating for the whole welding and straightening process.



60° overturning machine



Conveying machine



90° overturning machine

▶ TECHNICAL PERFORMANCE

Moving type 180° overturning machine is composed of main machine, hydraulic system and electrical control system. Main machine is composed of 90° overturning arm, base frame, moving wheel group, moving motor gearbox box and rail.

It can move away from roller conveyor during working, gear motor driving two groups overturning frame moving simultaneously, to make workpiece moving to the side of roller conveyor, and finally oil cylinder push arm to turning workpiece 180°, and then moving to roller conveyor for conveying, cable oil pipe adopts drag link packing, safety and beauty, reliable, the total machine structure is compact and operation is simple.



▶ 180° HYDRAULIC OVERTURNING MACHINE

Suitable work-piece weight	Max section dimension of overturning work-piece	Moving motor power	Moving speed	Overturning cylinder diameter	Max pressure of hydraulic system	Power of the machine
≤15T	800×1500mm	2×1.5KW	6m/min	φ140mm	20Mpa	18.5KW



▶ CANTILEVER WELDING MACHINE

▶ TECHNICAL PERFORMANCE

XBH type column-beam welding machine adopts the imported AC transducer. The equipment is stable and reliable in operation, and has the quick move-back function. The tracking arc-guide mechanism is three-spindle tracking system to guarantee the alignment and not bias are on the weld. The main frame and the welding machine are performed integrated interlocking and the equipment is provided with flux auto-recovering system and it is easy controlled, and highly efficient.



Type	XBH-1150
Height of web(mm)	200-2000mm
Width of flange(mm)	200-800mm
Length of H-beam	4000-15000mm
Welding machines	MZ-1-1000Auto-submerged two sets of model MZ-1-1000 auto union melt welder
Welding mode	Boat type welding
Welding velocity	0.3~1.5m/min
Reverse velocity	3m/min
Track distance	1150mm
Power of the assembling machine	4.75kw (Welding machine is excluded)

▶ HORIZONTAL H-BEAM STRAIGHTENING MACHINE

▶ TECHNICAL PERFORMANCE

Horizontal straightening machine can achieve both sides straightening of the H-beam flange at the same time, improve the efficiency of straightening. And can work with H-beam horizontal production line, can achieve the whole process from H-beam assembling, welding to straightening.

Horizontal straightening machine mainly consists of fixed end straightening unit, moving end straightening unit, conveyor roller, hydraulic system, electric control system.

Model	WJ40B	WJ60B
Web height	200-1500mm	200-2000mm
Web thickness	6-30mm	6-50mm
Flange width	150-800mm	200-1000mm
Flange thickness	6-40mm	6-60mm
Workpiece length	4000-15000mm	4000-15000mm
Material	Q235-A	Q235-A
Straightening speed	6.2m/min	5.6m/min



H-BEAM AUTOMATIC
→ PRODUCTION LINE

► CNC DRILLING MACHINE



► STRUCTURE AND PERFORMANCE

This machine is composed of the bed, a movable gantry frame, a drilling head, a convertible worktable, an electrical control system, a hydraulic system, a cooling system, and a chip conveyor. It adopts CNC control system, X and Y-axis AC servo control, and Z-axis hydraulic automatic feed to achieve rapid positioning and drilling. It is widely applicable to the drilling processing of connection plates of steel structural components and various plate-shaped parts.

► MAIN TECHNICAL PARAMETER

Item	ZPZ-160	ZPZ-200	ZPZ-1630
Drilling diameter	Φ50	Φ60	Φ60
Max. size of workpiece	1600×1000×100mm	2000×1400×100mm	3000×1600×100mm
Rotary speed of main shaft	130-400r/min, stepless and adjustable	130-400r/min, stepless and adjustable	130-600r/min, stepless and adjustable
Feeding type of main shaft	Hydraulic/Servo	Hydraulic/Servo	Hydraulic/Servo
Workpiece can be tooled for once	4pcs	4pcs	4pcs
Clamping type	Hydraulic	Hydraulic	Hydraulic
X and Y axis fast moving speed	6m/min	6m/min	6m/min

► H-BEAM SECONDARY PROCESSING LINE



► TECHNICAL PERFORMANCE

1. Equipped with imported 3D off-line programming software to optimize the cutting path;
2. It can cut various profiles such as H beam, angle steel and grooved copper, and it supports the cutting of various profiles;
3. Using laser cutting to cut holes, bevel and lock, it has the advantages of high precision, smooth cutting surface;
4. Humanized interactive interface, simple and convenient operation, high degree of integration automation.

► MAIN TECHNICAL PARAMETER

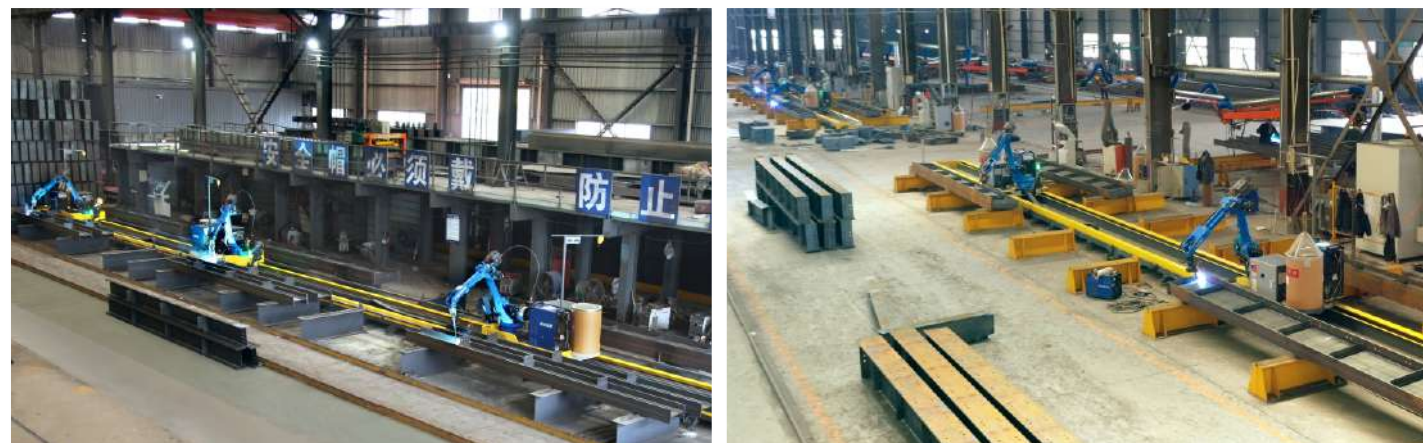
Model	ZX-FCM50150		
Cutting H beam size	500×1500mm	X/Y axis repeat positioning accuracy	±0.05mm
Cutting plate size	2000×12000mm	X/Y/Z axis max. speed	50m/min
Cutting length	12000mm×2pcs	A axis swing angle	±90°
X axis moving stroke	2500mm	B axis swing angle	±90°
Y axis moving stroke	26500mm	Max. accelerated speed	0.5G
Z axis moving stroke	800mm	Power supply protection class	Ip54
X/Y axis positioning accuracy	±0.2mm	Laser power source	20KW

INTELLIGENT → WELDING STATION

► GROUND RAIL ROBOT WELDING MACHINE

► TECHNICAL PERFORMANCE

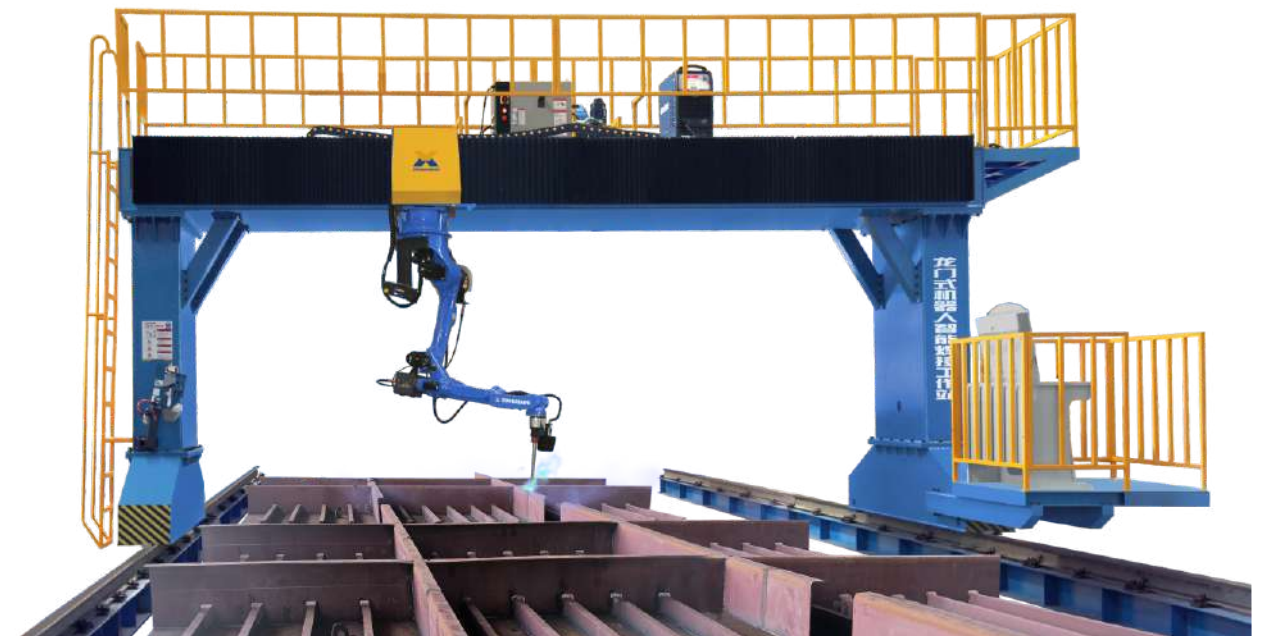
This set of equipment is mainly composed of longitudinal rail, rail bolster, arc welding robot, seam tracker, welding power source, control integrated system, etc. This set of equipment is mainly suitable for flexible welding of large-format structural parts. It has strong adaptability and can process diverse welding workpieces. The application of this set of equipment has greatly improved the quality stability and uniformity of the product, improved the production efficiency, improved the automation level of the enterprise, saved a large number of labor, reduced the labor cost of the enterprise, and enhanced the market competitiveness of the enterprise at the same time .



► CANTILEVER ROBOT WELDING MACHINE

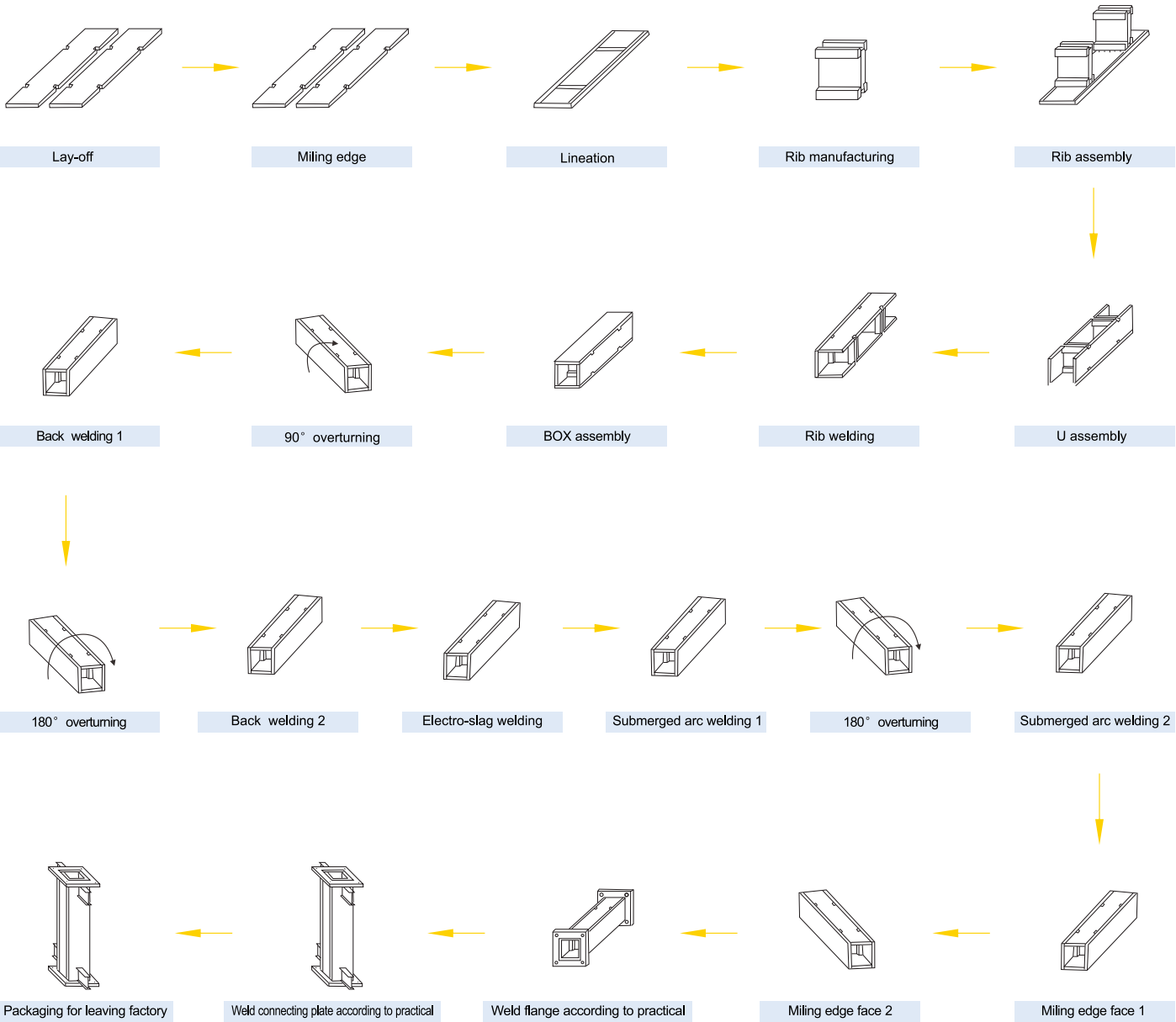


► GANTRY ROBOT WELDING MACHINE



BOX BEAM → PRODUCTION LINE

TECHNICAL PROCESS OF BOX BEAM PRODUCTION LINE



► BOX BEAM PRODUCTION LINE

► TECHNICAL PERFORMANCE

This production line is mainly made up by CNC/Multi-head Strip Cutting Machine, U type /Box type integral assembling machine, cantilever back machine, Cantilever Electric slag-welder, Cantilever submerged arc-welding Machine, Terminal Surface Mill, Edge Miller, Baffle Assembling Machine, Roll Table and other complements.



► TECHNICAL PARAMETER FOR BOX BEAM PRODUCTION LINE

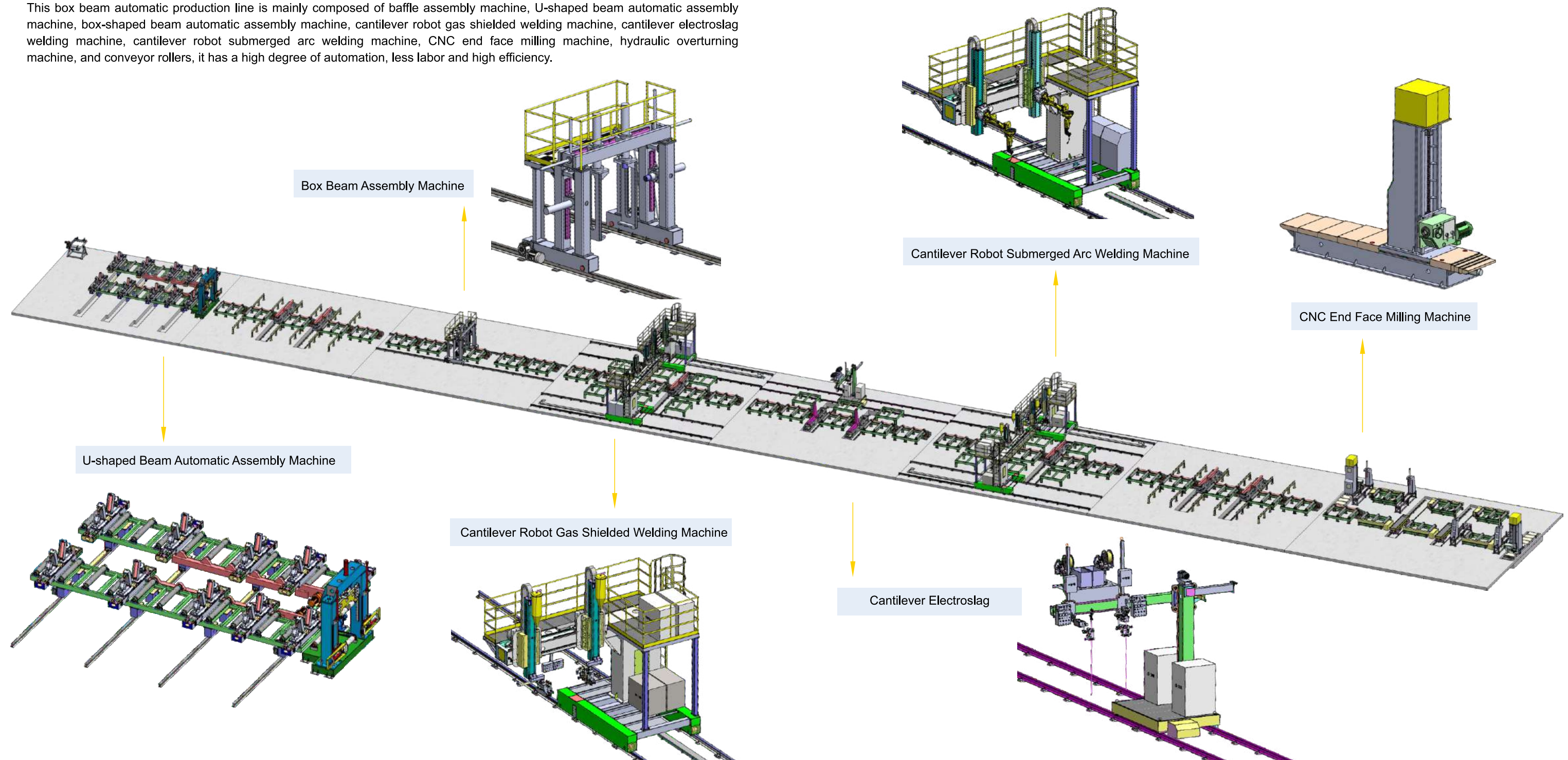
Length	Sectional size	Trickness
4000~15000mm	300×300mm ² ~1200×1200mm ²	20~80mm

BOX BEAM → PRODUCTION LINE

► BOX BEAM AUTOMATIC PRODUCTION LINE

► TECHNICAL PERFORMANCE

This box beam automatic production line is mainly composed of baffle assembly machine, U-shaped beam automatic assembly machine, box-shaped beam automatic assembly machine, cantilever robot gas shielded welding machine, cantilever electroslag welding machine, cantilever robot submerged arc welding machine, CNC end face milling machine, hydraulic overturning machine, and conveyor rollers, it has a high degree of automation, less labor and high efficiency.

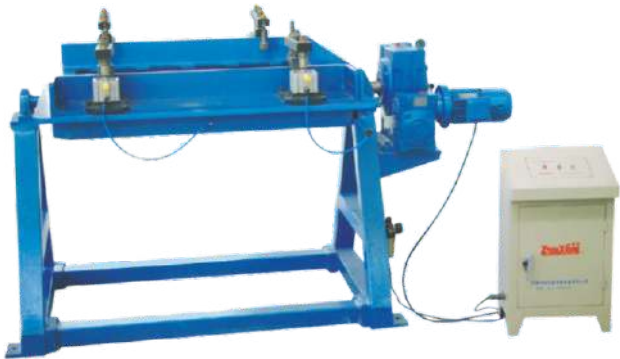


BOX BEAM
→ PRODUCTION LINE

▶ VERTICAL DIAPHRAGM ASSEMBLY MACHINE

▶ TECHNICAL PERFORMANCE

This machine is the special equipment to assemble and weld the middle clapboards in BOX type beam. When assembling, adopt the cylinder compacting to determine the position, then weld them by spot. After finish to weld one face, then turn over the rotation work table for 180 degree through motor. After weld the another face, Turn the work table to the level, loose the Cylinder and unload forworing.



▶ BOX BEAM OVERTURNING MACHINE



Moving type 90 degree hydraulic overturning machine



Moving type 180 degree hydraulic overturning machine

▶ BOX BEAM U & BOX ASSEMBLY MACHINE



▶ GANTRY TYPE BOX BEAM WELDING MACHINE

▶ TECHNICAL PERFORMANCE

It is the welding supplementary machine for special use that design for box-beam welding(flat angle welding seam). The machine use gantry style main struture, driving in double-sides, controlled the speed stepplessly by converter; Tracing of welding seam uses the type of mechanic guiding roller; The up-down and right-left operation is controlled by pneumatic technology; In order to improve the effcidncy of big fillet welding,it is equipped with big electric current and double machine head(single welding seam)to process double arcs and double wires weldings, installation of the machine head is separated from arc-guiding mechanism; The device which is used to protect solder, avoiding too much solder drop down;lay-up of workpiece can use fixed frame and it can also be transmitted by roller, so it can from an assembly line with other sets of machines



arc guiding rack



arc guiding rack



Width of applicable box-beam	Height of applicable box-beam	Welding speed	Returning speed	Welding position	Total power
300~1200mm	300~1200mm	0.17~3.4m/min	6.8m/min	Horizontal welding	9KW



Triple wires with triple arc (2DC+AC)



Twin wires with twin arc (DC+AC)



Gate double thread gas shield welding padding machine

BOX BEAM
→ PRODUCTION LINE

▶ CANTILEVER TYPE (WIRE MELT) ELECTRO-SLAG WELDING MACHINE



▶ GANTRY TYPE (WIRE MELT) ELECTRO-SLAG WELDING MACHINE



▶ TECHNICAL PERFORMANCE

Electroslag welding is one of the main equipment on the box beam welding production line. It is a special electroslag welding machine for two seams of baffle plate and bottom plate. The electroslag welding of the box beam baffle is divided into fuse type electroslag welding and nozzle type electroslag welding. Fused wire electroslag welding has high welding efficiency and low operating cost, and is suitable for the production of large batches of box girders, but the equipment One-time investment costs are high. The one-time investment cost of melting nozzle type electroslag welding equipment is low, and the operation is simple and convenient, suitable for Single-piece small-batch box beam production, but the welding efficiency is lower than that of fuse electroslag welding.

Gantry rail span	Trolley travelling speed	travelling motor power	suitable workpiece size
4000 mm	6 m/min	0.55 KW	300~1200 mm

▶ CANTILEVER TYPE BACK-SHIELDED WELDING MACHINE

▶ STRUCTURE AND PERFORMANCE

Cantilever type back welding machine is usually used before SAW welding in box-beam manufacturing process, this machine can prevent the workpieces welding seam to be burned through, and it is composed of travelling cart, welding arm, welding gun tracking device, pneumatic system, electrical control system, flux recovery system, CO₂ welding power and so on.

For box-beam back welding, it usually adopts single arc single wire, also can use double arc double wire.



▶ TECHNICAL PERFORMANCE

Width of applicable box-beam	Length of applicable box-beam	Welding speed	Returning speed	Welding position
300~1200mm	4000~15000mm	0.3~1.5m/min	3m/min	Horizontal welding

▶ SUBMERGED ARC WELDER



▶ Lincoln AC-1200 submerged Arc welder



▶ DC-1000 SAW WELDER



▶ MZ-1250 IGBT inverter Arc Welder

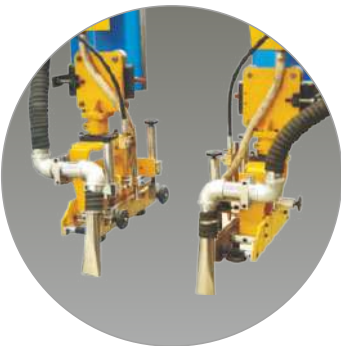
BOX BEAM
→ PRODUCTION LINE

▶ CANTILEVER TYPE SUBMERGED WELDING MACHINE

▶ STRUCTURE AND PERFORMANCE

This machine is composed of traveling cart, welding arm, welding gun mechanical tracking device, pneumatic system, electrical control system, flux feeding and recovery machine and submerged arc welding power. It is mainly used for welding the box beam.

There are two kinds of welding method for box-beam SAW welding, single arc single wire and double arc double wire. For single arc single wire welding, the welding power can be domestic-made or foreign-imported; while for double arc double wire welding, usually equipped with welding power American Lincoln DC-1000, AC-1200 to improve work efficiency.



▶ TECHNICAL PERFORMANCE

Suitable workpiece size	Welding speed	Return speed	Cart gauge	Gas power pressure
300~1200mm	0.3~1.5 m/min	3 m/min	1400 mm	0.4~0.8 Mpa

▶ FACE MILLING MACHINE



▶ MAIN TECHNICAL PARAMETER

Type	1215	1520	2020	2030	3035
Vertical stroke	1200 mm	1500 mm	2000 mm	2000 mm	3000 mm
Horizontal stroke	1500 mm	2000 mm	2000 mm	3000 mm	3500 mm

▶ EDGE MILLING MACHINE

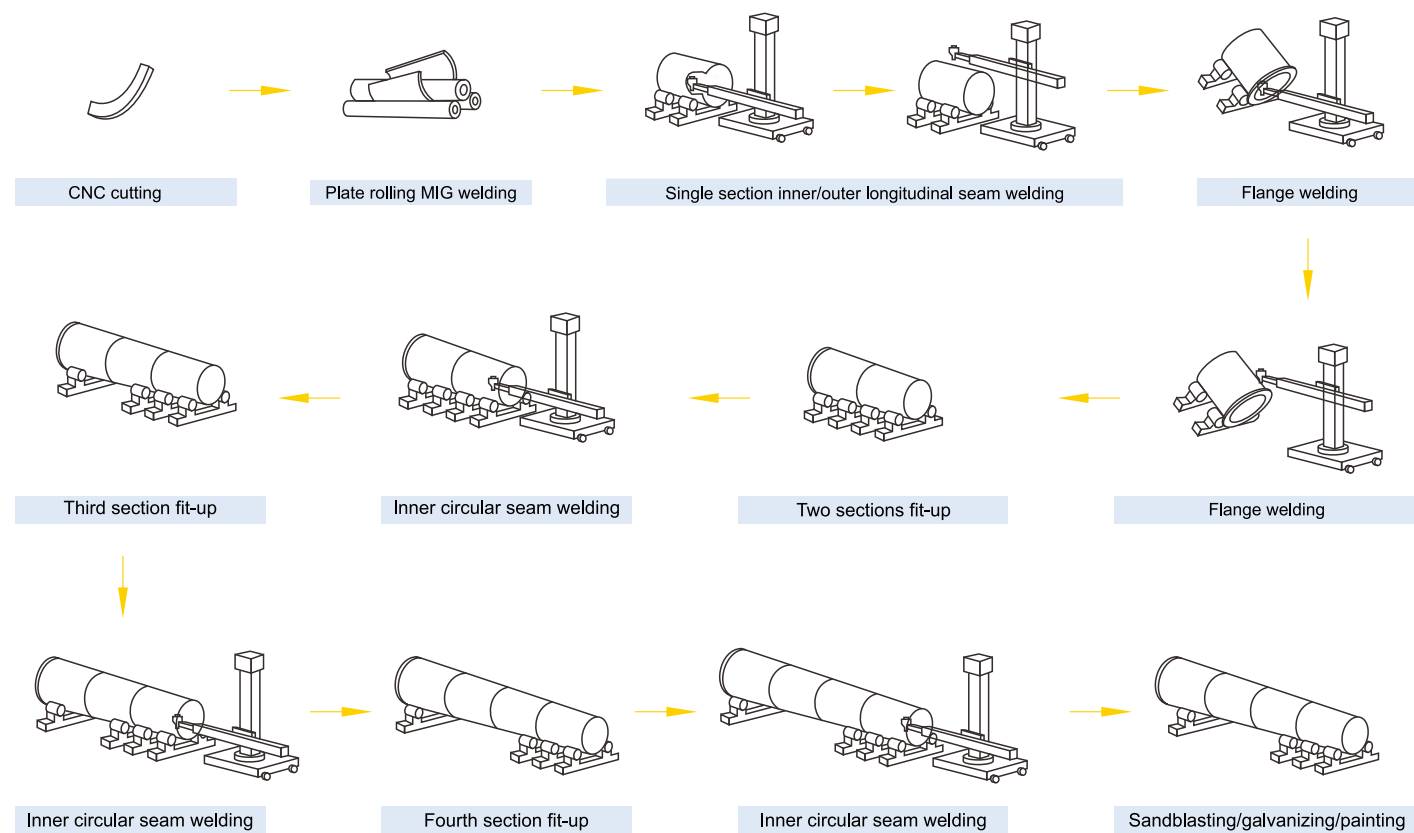


▶ MAIN TECHNICAL PARAMETER

Type	XBJ-6	XBJ-9	XBJ-12
The angle milling	0~45°		
The thickness of being processed steel plate	6-50 mm		
The traveling speed of crosswise milling	0.2~0.6 m/min		
Back stroke milling speed	1.2 m/min		
The rev. speed of milling spindle	80-400 m/min		
The working pressure of hydraulic pressure system	≤3.5 mpa		
The numbers of the cylinders	8	11	15
The height between the platform and the ground	900 mm		
The power of driving motor	1.5 kw		
The power of milling motor	5.5 kw		
The power of oil pump motor	5.5 kw	5.5 kw	5.5 kw
The overall size of the machine(a×b×h) (mm)	8680×2600×2100mm	11680×2600×2300mm	14200×2600×2400mm



WIND TOWER → PRODUCTION LINE



▶ WIND POWER TOWER PRODUCTION LINE

▶ IT MAINLY INCLUDES

Material cutting equipment, cylinder longitudinal / circumferential seam welding equipment, cylinder hydraulic fit-up rotator, flange automatic welding equipment, sand blasting painting rotator, tower cylinder transfer equipment, etc. The whole production line can greatly improve the production efficiency, is the preferred product of wind power industry.

▶ The production process of wind power tower is generally as follows

Metal plate cut thick plate to be bevelled, roll plate to cylinder, spot welding, positioning, welding internal and external longitudinal seam, roundness check, if there is a problem, need to make secondary roundness correction, single section cylinder welding is completed, the hydraulic fit-up rotator is used to carry out spot welding, welding internal and external circumferential seam, checking straightness tolerance, welding flange, nondestructive weld testing and flatness inspection, sandblasting and spray painting, internal installation and finished product inspection, and then transport to the installation site.



Cutting machine



Plate rolling machine



Longitudinal seam welding



Flange fit-up & welding



Circular seam welding



Sandblasting and painting

WIND TOWER
→ PRODUCTION LINE

► CIRCUMFERENTIAL WELDING CENTER

► TECHNICAL PERFORMANCE

The circular seam welding center is mainly composed of welding manipulator, welding rotator and submerged arc welding machine, and adopts 3-in-1 control. The advanced welding process can make the weld seam have high strength and beautiful shape. It can be widely used in pressure vessels with higher requirements and in petrochemical fields.



► LONGITUDINAL WELDING CENTER



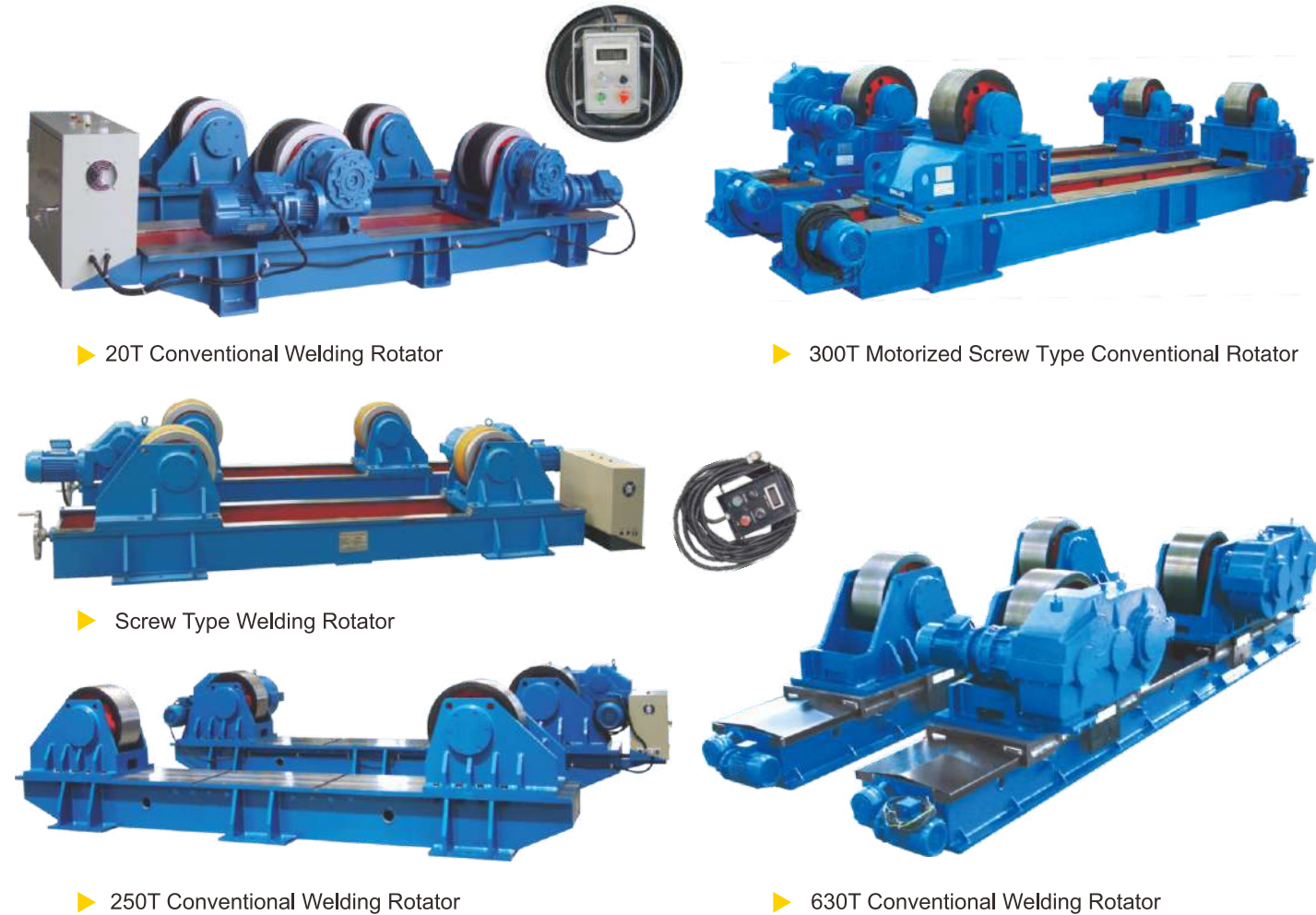
► TECHNICAL PARAMETER OF AUTO-WELDING

Type	8×6	5×6	4×5	3.5×5	3×4	2×2
Effective stroke of vertical boom (mm)	8000	5000	4000	3500	3000	2000
Effective stroke of cross boom (mm)	6000	6000	5000	5000	4000	2000
The suitable diameter of cylinder (mm)	1000-8000	1000-5000	1000-4000	700-3500	700-3000	500-2000
Rotating angle of the vertical boom	±180°	±180°	±180°	±180°	±180°	±180° (manual)
Up and down speed of cross boom (m/min)	0.9	1	1	1	1	0.3
Expansion speed of cross boom (m/min)	0.12-1.2	0.12-1.2	0.12-1.2	0.12-1.2	0.12-1.2	0.12-1.2
Forward and backward speed of the trolley (m/min)	1.5	1.5	1.5	1.5	1.5	1.5
The center distance of the trolley track (mm)	2308	1780	1780	1780	1500	900

* Other specification can be got by call.

ASSISTANT
➔ **WELDING MACHINE**

► **CONVENTIONAL WELDING ROTATOR**



► **Technical parameter of conventional welding rotator**

Type	Max load weight(kg)	Range of suitable workpiece(mm)	Diameter and width of the wheel (mm)	wheel linear speed(m/h)	Power of motor(kw)	Way of setting
GLHK-3	3000	Φ 250 ~ Φ 1800	Φ200×140	6~60	2×0.25	AC converter stepless speed adjust
GLHK-5	5000	Φ 250 ~ Φ 2300	Φ250×140		2×0.37	
GLHK-10	10000	Φ320 ~ Φ2800	Φ300×170		2×0.55	
GLHK-20	20000	Φ500 ~ Φ3500	Φ350×180		2×1.1	
GLHK-40	40000	Φ600 ~ Φ4200	Φ400×200		2×1.5	
GLHK-60	60000	Φ750 ~ Φ4800	Φ450×220		2×2.2	
GLHK-80	80000	Φ850 ~ Φ5000	Φ500×240		2×3	
GLHK-100	100000	Φ1000 ~ Φ5500	Φ500×260		2×4	
GLHK-160	160000	Φ1100 ~ Φ6000	Φ620×220		2×4	
GLHK-250	250000	Φ1200 ~ Φ7000	Φ700×280		2×5.5	
GLHK-500	500000	Φ1500 ~ Φ8000	Φ850×350		2×11	
GLHK-630	630000	Φ1500 ~ Φ9000	Φ900×380		2×11	

► **SELF-ALIGNED WELDING ROTATOR**



► **Technical Parameter of Self-Aligned Welding Rotator**

Type	Max load weight(kg)	Suitable diameter of vessel(mm)	Diameter and width of the wheel (mm)	wheel linear speed(m/h)	Power of motor(kw)	Way of setting
GLHZ-5	5000	Φ 250 ~ Φ 2300	Φ250×140	6~60	0.75	AC converter stepless speed adjust
GLHZ-10	10000	Φ320 ~ Φ2800	Φ300×170		1.1	
GLHZ-20	20000	Φ500 ~ Φ3500	Φ350×180		2.2	
GLHZ-40	40000	Φ600 ~ Φ4200	Φ400×200		3	
GLHZ-60	60000	Φ750 ~ Φ4800	Φ450×220		4	
GLHZ-80	80000	Φ850 ~ Φ5000	Φ500×240		4	
GLHZ-100	100000	Φ1000 ~ Φ5500	Φ500×260		5.5	
GLHZ-150	150000	Φ1100 ~ Φ6000	Φ600×280		7.5	
GLHZ-250	250000	Φ1200 ~ Φ7000	Φ700×300		2×5.5	
GLHZ-500	500000	Φ1800 ~ Φ8000	Φ850×350		2×7.5	

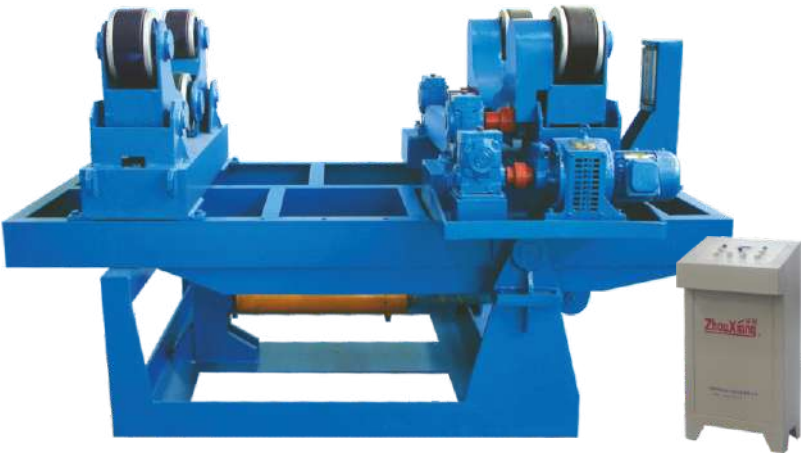
ASSISTANT
→ WELDING MACHINE

▶ ANTI-CREEP WELDING ROTATOR

▶ TECHNICAL PERFORMANCE

This product is according to the cause of the workpiece shaft direction creep. When workpiece rotating, it do spinal running then cause shaft direction creep-through elevating of idle rotator, change the screw angle between workpiece shaft line and rotator shaft line, to make the shaft displacement direction of workpiece change.

This product is designed separately at the basis of abroad advanced experience and according to industry standard. It is escpecially suitable for heavy workpiece and surfacing weld and clearance weld which have high requitiement on presision of welding seam position and stability of welding speed.



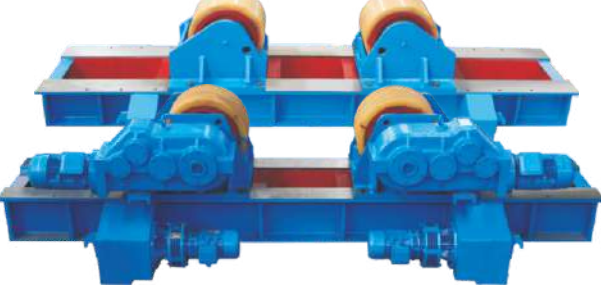
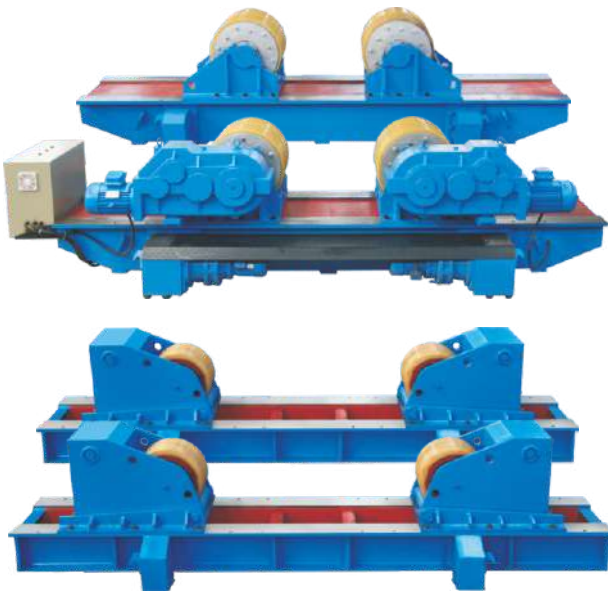
▶ Technical parameter of hydraulic Fit-up roll

Description		Tilting rotator	
Model	QGLJ10	Roller linear speed (m/h)	6-80 m/h
Rated load capacity (Kg)	10000 kg	Motor power (Kw)	1.1 kw
Vessel diameter (mm)	Φ 320- Φ 2800 mm	Speed adjust way	Frequency stepless speed adjust

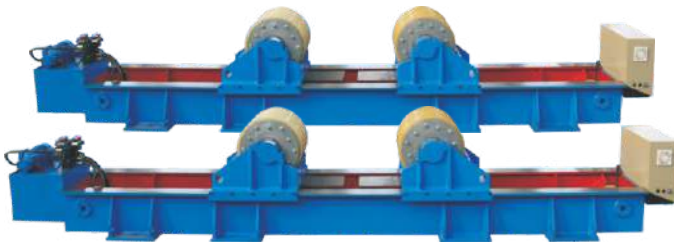
▶ HYDRAULIC FIT-UP ROTATOR

▶ TECHNICAL PERFORMANCE

Similar to the Fit-Up Bed, this Fit-Up Rotator is mainly used for joining of long pipe such as in wind tower application. It has four independent fit-up rolls that perform the fit-up process, and is used jointly with standard conventional powered and idler rotator.



▶ Hydraulic Fit-up Rotator (horizontal Moving Type)



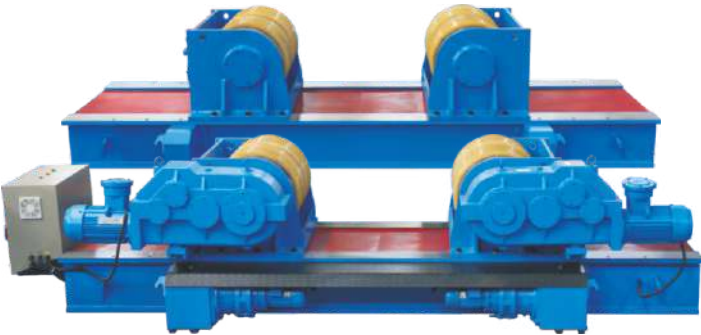
▶ Technical parameter of hydraulic Fit-up rotator

Type	Max load weight(kg)	Range of suitable workpiece(mm)	Diameter and width of rubber rollers(mm)	wheel linear speed(m/h)	Power of motor(kw)	Inner distance of rail(mm)	Way of setting
ZHGK-40	40000	Φ 2000 ~ Φ 4800	Φ 400×210	6 ~ 60	2×1.5	1700	AC converter stepless speed adjust or electro-magnetic speed adjust
ZHGK-60	60000	Φ 2500 ~ Φ 5000	2×Φ 520×178	6 ~ 60	2×2.2	2000	

▶ BLASTING AND PAINTING ROTATOR

▶ TECHNICAL PERFORMANCE

This welding rotator is special equipment which is mainly used for shot blasting and spray coating for wind tower pole, the material adopts high-quality polyurethane which protect the surface of workpiece effectively.



▶ Technical parameter of rotator for blasting and painting

Description	80T rotator for blasting and painting
Model	GLHK80Y
Rated load capacity (Kg)	80000
Vessel diameter (mm)	2000-5000
Roller linear speed (m/h)	6-60
Motor power (Kw)	2 × 3
Speed adjust way	Frequency stepless speed adjust
Inner distance of rail (mm)	1700

ASSISTANT
→ WELDING MACHINE

▶ WELDING POSITIONER

▶ 500KG L TYPE ELEVATING AND DOUBLE TURNING POSITIONER



Description	500Kg L type elevating double turning positioner
Rated load capacity(kg)	500Kg
Table diameter(mm)	Φ1000mm
Rotating speed(rpm)	0.5~1rpm
elevating distance(mm)	500mm
overturning angle(°)	0~ ± 180°



L-TYPE POSITIONER

P-TYPE DOUBLE SIDE
ROTATE POSITIONER

1T POSITIONER

HEAD AND TAIL
WELDING POSITIONER



10T POSITIONER

50T TURNING TABLE



HEAVY LOAD HEAD
AND TAIL POSITIONER



HEAVY LOAD
L-TYPE POSITIONER



▶ TECHNICAL PERFORMANCE

The welding positioner includes various types such as sidelurch style, head & end single rotary type, head & end double rotary style and etc. With gyration and upturning of working table, the welding and fitting can be located at the right position. If connected with other welding devices, it can be turned into a half-automatic or full automatic welding machine. The gyration of working table can use electromagnetic speed variation or frequency control.

Because of eccentricity and gravity, it is better to choose a bigger type for long workpieces or those with too much gravity center deviation.the shape and weight of workpieces, process and working method are provided, our company shall supply a prompt scheme for your reference.



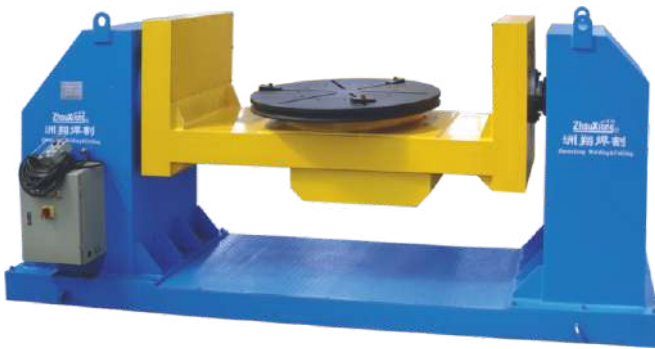
▶ STANDARD TECHNICAL PARAMETER OF WELDING TURNING POSITIONER

Type	HBZ-1	HBZ-3	HBZ-6	HBZ-10	HBZ-30	HBZ-50	HBZ-100	HBZ-200
Rated load (kg)	100	300	600	1000	3000	5000	10000	20000
Rotating speed (rpm)	0.12 ~ 1.2	0.2 ~ 2	0.09 ~ 0.9	0.05 ~ 0.5	0.05 ~ 0.5	0.05 ~ 0.5	0.017 ~ 0.17	0.015 ~ 0.15
Overturning angle (°)	0 ~ 90°	0 ~ 90°	0 ~ 90°	0 ~ 120°	0 ~ 120°	0 ~ 120°	0 ~ 120°	0 ~ 120°
Size of working table (mm)	φ 400	φ 600	φ 1000	φ 1200	φ 1400	φ 1500	φ 2000	φ 2300
Motor power (kw)	Rotating	0.18	0.37	0.75	1.1	1.5	2.2	3
	Overturning	0.18	0.37	0.75	1.5	1.5	4	5.5
Way of setting	Frequency control							

ASSISTANT
→ WELDING MACHINE

► WELDING POSITIONER

► HEAD AND TAIL POSITIONER (SPECIAL ORDER)



Description	Head and tail positioner
Model	SHB2000
Rated load capacity (Kg)	2000
Table diameter (mm)	1000
Overturning speed (rpm)	0.06–0.6
Motor power (Kw)	0.75/1.1
Speed adjust way	Constant speed/ Frequency stepless speed adjust

► L TYPE POSITIONER (SPECIAL ORDER)



Description	L type positioner
Model	LHB2000
Rated load capacity (Kg)	2000
Overturning speed (rpm)	0.15–0.76
Rotating speed (rpm)	0.14–0.7
Motor power (Kw)	1.5/1.1
Speed adjust way	Frequency stepless speed adjust

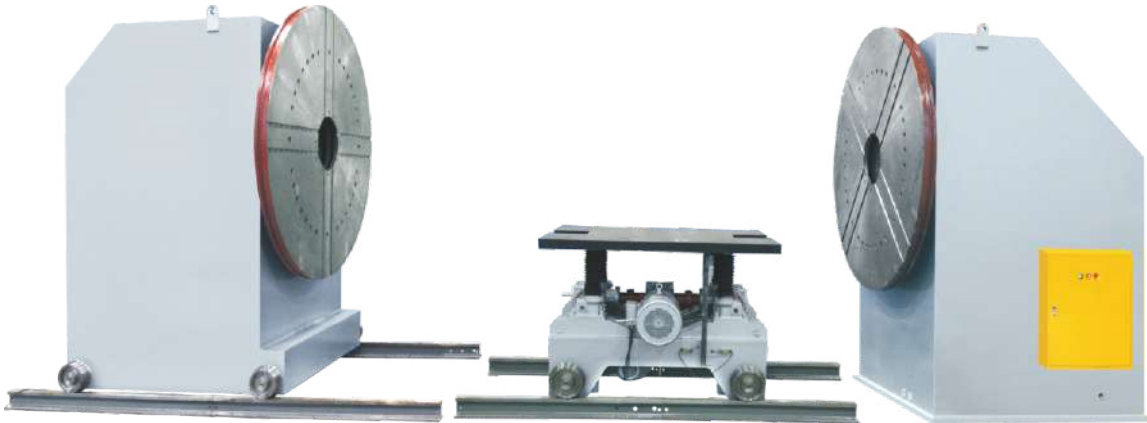
► TURNING TABLE (SPECIAL ORDER)



Description	Turning table
Model	HZT-03
Rated load capacity (Kg)	3000
Table diameter (mm)	φ 3000
Overturning speed (rpm)	0.02–0.2
Motor power (Kw)	0.75
Speed adjust way	Frequency stepless speed adjust

► WELDING POSITIONER

► 50T HEAD AND TAIL POSITIONER(SPECIAL ORDER)



► TECHNICAL PERFORMANCE

This positioner is head and tail positioner adopting with fixed way. Tail frame adopts with Electric mobile way. It can suitable for different length workpiece. The workpiece can overturn by head frame driving device, so that it can make the best positon to welding conveniently. Meanwhile the equipment can be combined with other welding equipment to achieve automatic welding. It can increase productive efficiency and improve quality. It is one of the necessary equipments for welding large ton workpiece.

This machine has two functions: one is elevating, another is moving. Elevating adopts four screws to lift the synchro lifting. Moving adopts motor reducer driving roller to move freely on track. It features stable elevating, flexible moving and so on. It is one of the installation and the operation of the necessary equipment.

► 50T HEAD AND TAIL POSITIONER(SPECIAL ORDER)TECHNICAL PARAMETER

Model	HBT-500
Rated load capacity	50T
Rotary eccentricity	200mm
Rotary center distance	2280mm
Table diameter(mm)	2500mm
Overturning speed(rpm)	0.04–0.4 rpm
Table rotary power	15kw
Table rotary torque	110000N · m
Tail frame movement speed	1000mm/min
Tail frame shift motion	5500mm
Gauge	2000mm

► 50T ELEVATING AND MOVING PLATFORM TECHNICAL PARAMETER

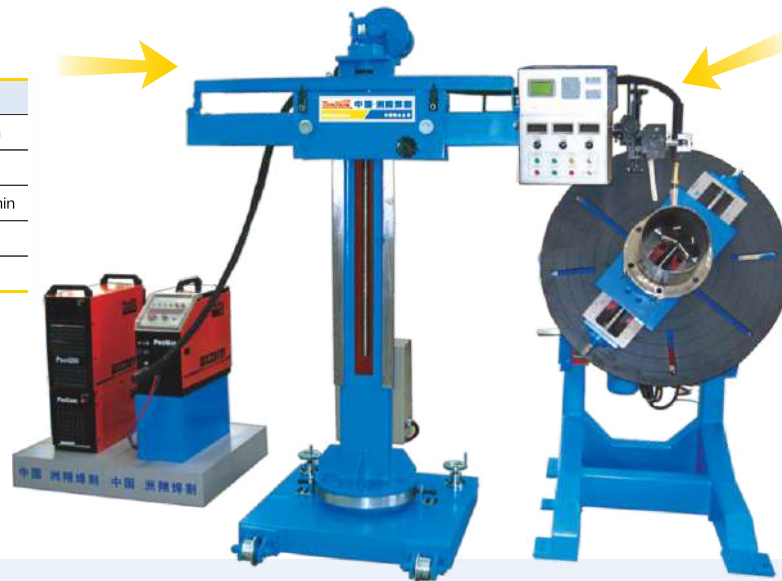
Model	SJPT-500
Rated load capacity	50T
Elevating route	500mm
Table length and width (mm)	1500mm*1800mm
Elevating motor power	11kw
Elevating platform speed of travel	1000 mm/min
Elevating platform inside guage	1250mm

ASSISTANT → WELDING MACHINE

▶ SHORT PIPE FLANGE WELDING CENTER

SHQ mini manipulator

Model	SHQ-1	SHQ-2
Effective boom elevating stroke	750mm	1500mm
Effective boom expansion stroke	450mm	900mm
Elevating speed	400mm/min	400mm/min
Expansion way	manual	manual
Moving cart gauge	600mm	600mm



Adjustable positioner

Model	SHB-10
Load capacity	1000kg
Rotating speed	0.12 ~ 1.2rpm
Overturning speed	0.34rpm
Overturning angle	0 ~ 1200

Welding oscillator

model	WOS-3000
swing range	± 25mm
frequency	0 ~ 120 times/min
left-right time delay	0.2 ~ 2S



Pinch type rotator

model	PPAW-05
load capacity	5000 kg
suitable workpiece range	φ 80 ~ φ 610mm
roller linear speed	120 ~ 1200mm/min



Adjustable supporter

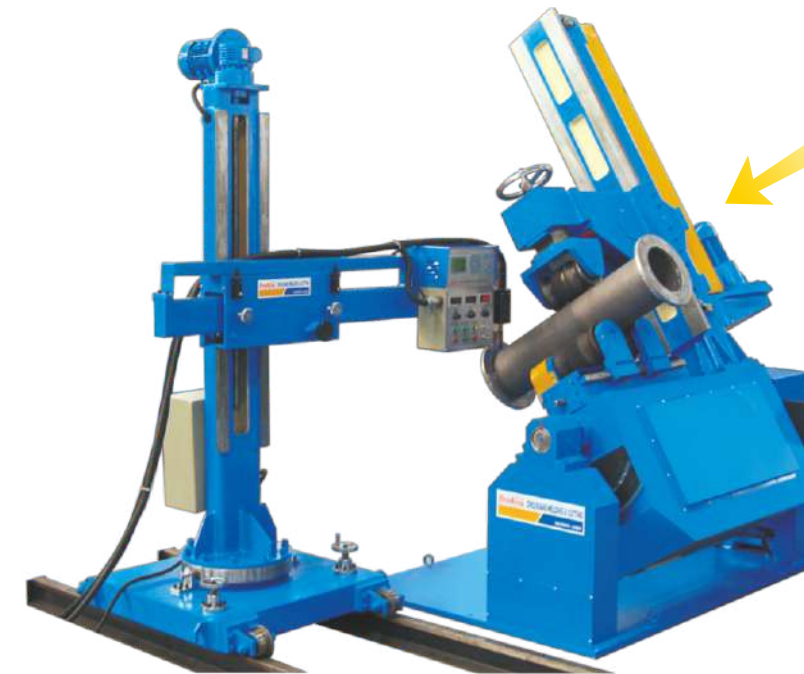
model	SZJ-1
load capacity	5000kg
elevating stroke	280mm



1T ELEVATING WELDING POSITIONER (WITH CHUCK)



▶ SHORT PIPE FLANGE WELDING CENTER



Pinch and turning rotator

Model	GGLJ-1000	GGLJ-600
Suitable pipe diameter	φ 160 ~ φ 1000mm	φ 60 ~ φ 600mm
Load capacity	3000KG	2000KG
Roller linear speed	100 ~ 1000mm/min	120 ~ 1200mm/min
Elevating speed	430mm/min	300mm/min

Short pipe auto welding combination

- Adjustable welding positioner
- microminiature welding manipulator
- welding oscillator
- kemppi multi-function welder



Middle pipe auto welding combination

- press rotary rotator
- microminiature welding manipulator
- conventional rotating support frame
- welding oscillator
- kemppi multi-function welder



Long pipe auto welding combination

- press rotary rotator
- microminiature welding manipulator
- conventional rotating support frame
- welding oscillator
- kemppi multi-function welder

▶ PRECISION TYPE WELDING MANIPULATOR AND DOUBLE CHUCK WELDING POSITIONER



SSHB double chuck positioner

model	SSHB-1
max load capacity	100kg
pipe diameter	10 ~ 315mm
rotating speed	0.4 ~ 4rpm

HEAVY
→ INDUSTRY MACHINE

► FOUR-ROLLER ROLLING MACHINE



► TECHNICAL PERFORMANCE

Convenient centring and widely used, the 4-roller rolling machine can straighten skew and mismatch deformations while rolling. And it can finish pre-bending and roll plate by feeding once. With little straight flange left, it is ideal equipment for rolling round-shaped and arc-shaped plate.

► TECHNICAL PARAMETER

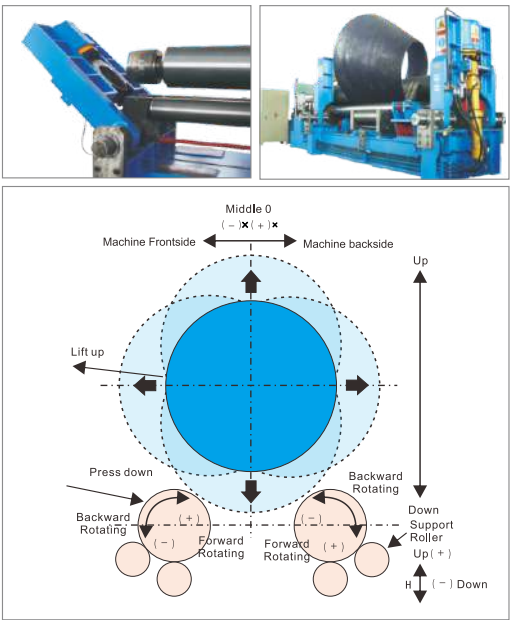
Technical Parameter	Specification												
	W12NC-12X2000	W12NC-12X2500	W12NC-16X2000	W12NC-16X2500	W12NC-20X2000	W12NC-20X2500	W12NC-25X2500	W12NC-20X3000	W12NC-25X3000	W12NC-30X3000	W12NC-40X3000	W12NC-50X3000	W12NC-60X3000
Max Thickness of Rolling Plate(mm)	12	12	16	16	20	20	25	20	25	30	40	50	60
Max Pre-bending Thickness(mm)	10	10	12	12	16	16	20	16	20	25	32	40	50
Max Width of Rolling Plate(mm)	2000	2500	2000	2500	2000	2500	2500	3000	3000	3000	3000	3000	3000
Plate yield Limit(MPa)	245	245	245	245	245	245	245	245	245	245	245	245	245
max spec. min bending diameter(mm)	600	800	700	800	800	900	1000	1100	1200	1300	1300	1800	2000
Dia.of Upper Roller(mm)	300	330	330	350	350	400	430	450	480	480	560	650	680
Dia.of Lower Roller(mm)	280	300	300	320	320	360	400	400	430	460	520	580	620
Dia.of Side Roller(mm)	200	220	230	260	260	300	320	320	340	360	420	480	520
Rolling speed(m/min)	5.5	5	5	4.5	4.5	4.5	4.5	4	4	4	3	3	3
Main Motor Power(kw)	15	15	18.5	22	15	22	30	30	37	37	45	55	55

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2、 the specification list on catalogue is our standard product, customer can order special product according to requirements.

► UPPER ROLLER MULTI-FUNCTION THREE-ROLLER ROLLING MACHINE

► TECHNICAL PERFORMANCE

- **High precision end pre-bending** The straight edge length can be set freely, the upper roller press to pre-bend.
- **NC control, high productivity** Parameters are controlled by NC, easy for operation, improve the productivity greatly.
- **Good accuracy** The upper roller is like a drum, the lower rollers assorted with it through support rollers. Bend continuously, can roll ideal products from thin to thick plates widely.
- **Safety** The lower rollers are fixed, the upper roller move vertically and horizontally. The job does not move with the working rollers.
- **Complete structure, simple foundation, convenient move.** The machine has unitary basement, does not need earth bolts, has simple foundation, can move conveniently.



► TECHNICAL PARAMETER

Spec	Pressure of Upper roller (Tons)	Max thickness		Max width (mm)	Plate yield Limit (Mpa)	max spec. min bending diameter (mm)	Dia.of uper roller (mm)	Dia.of lower roller (mm)	center distance of lower roller (mm)	Rolling Speed (M/min)	Main Motor power (KW)
		End (mm)	middle (mm)								
W11SNC-15×2000	75	12	15	2000	245	600	255	150	245	4	7.5
W11SNC-20×2000	100	16	20	2000	245	800	320	180	300	4	15
W11SNC-20×2500	160	16	20	2500	245	800	330	180	300	4	15
W11SNC-20×3000	200	16	20	3000	245	800	380	220	360	4	22
W11SNC-25×2500	190	20	25	2500	245	900	380	220	360	4	22
W11SNC-25×4000	270	20	25	4000	245	1400	490	250	400	4	30
W11SNC-30×2500	240	25	30	2500	245	1100	430	235	380	4	30
W11SNC-30×3000	320	25	30	3000	245	1200	480	260	420	4	37
W11SNC-30×4000	380	25	30	4000	245	1400	550	275	460	4	45
W11SNC-40×2500	380	32	40	2500	245	1400	520	290	500	4	55
W11SNC-40×3000	430	30	40	3000	245	1600	560	290	500	4	55
W11SNC-40X4000	540	30	40	4000	245	2000	630	340	610	3.5	75
W11SNC-45X4000	610	35	45	4000	245	2000	660	360	650	3.5	75
W11SNC-50X4000	690	40	50	4000	245	2000	700	380	700	3.5	75
W11SNC-60X3000	690	50	60	3000	245	2000	700	410	700	3.5	90
W11SNC-70X3000	850	60	70	3000	245	2200	740	420	780	3.5	90

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HEAVY INDUSTRY MACHINE

► PROFILE BENDING MACHINE

► TECHNICAL PERFORMANCE

- The two lower rollers can elevate around the fixed axis. This machine can bend and rectify all kinds of profile by feeding once.
- The three rollers are driving-roller. So it can prevent skidding while bending profile with thin wall and big section.
- It has support rollers and rotating device. So it's convenient to bend unsymmetrical profile.
- It has reasonable structure, complete functions and takes up a small area.
- It has digital display, convenient operation and high efficiency.
- It's economical and practical as this machine can bend various of profile with different section only by changing relative mould.



► TECHNICAL PARAMETER

Model	JW-50S	JW-75S	JW-89S	JW-115S	JW-159S
Max Section Modulus of Elasticity(cm ³)	6	16	30	45	100
Profile yield Limit(MPa)	S=245				
 Steel Pipe	Max Section	42X3	76X3	89X5	114X5
	Min Bending Dia.	500	800	1000	1250
	Min Section	14X2	20X2	25X2	25X2
	Min Bending Dia.	280	420	500	600
 Angle Iron Incurvature	Max Section	45X45X5	70X70X8	75X75X10	100X100X12
	Min Bending Dia.	700	1200	1200	1300
	Min Section	20X20X3	30X30X3	35X35X3	36X36X3
	Min Bending Dia.	400	600	560	600
 Angle Iron Excurvature	Max Section	50X50X6	75X75X10	90X90X10	100X100X16
	Min Bending Dia.	700	1000	1150	1300
	Min Section	20X20X3	30X30X3	35X35X3	36X36X3
	Min Bending Dia.	400	500	500	560
 Channel Steel Incurvature	Model	5	8	12.6	16
	Min Bending Dia.	560	1000	1000	1350
 Channel Steel Excurvature	Model	8	14	16	18
	Min Bending Dia.	500	800	800	1300
 Flat Steel Bend In Ease Way	Max Section	100X18	150X25	180X25	220X30
	Min Bending Dia.	500	700	900	1000
 Flat Steel Bend In Hard Wa	Max Section	50X12	75X16	90X20	95X30
	Min Bending Dia.	500	900	900	1000
 Round Steel	Max Section	30	50	65	75
	Min Bending Dia.	450	600	700	800
Dia. of Standard Module (mm)		220	350	360	385
Rolling Speed (m/min)		5.5	5	5	5
Main Motor Power(kw)		2.2	7.5	11	11

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► PROFILE BENDING MACHINE

► TECHNICAL PERFORMANCE

- Processes hydraulic transmission with compact form and high reliability.
- Do not skid easily with three rollers drive and can roll material with thin wall thickness.
- Can feed in both sides.
- This machine drives stably and can processing different round, arc and spire.
- It can process different profiles like angle iron, flat iron, round pipe and other different sections.
- It can produce profiles with large radius without making super size moulds.



► TECHNICAL PARAMETER

Model	JW-168S	JW-180S	JW-219S	JW-245S	JW-273S
Max Section Modulus of Elasticity(cm ³)	140	180	280	320	500
Profile yield Limit(MPa)	S=245				
 Steel Pipe	Max Section	168X6	180X8	219X8	245X8
	Min Bending Dia.	2000	2400	2600	3500
	Min Section	32X3	35X3	42X3	76X4
	Min Bending Dia.	700	750	800	900
 Angle Iron Incurvature	Max Section	140X140X10	150X150X12	160X160X12	180X180X14
	Min Bending Dia.	2500	2700	3000	3600
	Min Section	45X45X5	50X50X6	60X60X6	70X70X5
	Min Bending Dia.	1000	1200	1350	1500
 Angle Iron Excurvature	Max Section	140X140X16	150X150X16	160X160X16	180X180X16
	Min Bending Dia.	2300	2600	2800	3500
	Min Section	45X45X5	50X50X6	60X60X6	70X70X5
	Min Bending Dia.	800	1000	1300	1500
 Channel Steel Incurvature	Model	28	30	32	36
	Min Bending Dia.	1700	2000	3000	3500
 Channel Steel Excurvature	Model	28	30	32	36
	Min Bending Dia.	1600	1800	3000	3500
 Flat Steel Bend In Ease Way	Max Section	280X50	280X60	320X60	350X60
	Min Bending Dia.	1300	1400	2000	2400
 Flat Steel Bend In Hard Wa	Max Section	150X35	180X32	190X45	190X50
	Min Bending Dia.	1300	1400	2000	2400
 Round Steel	Max Section	105	110	140	145
	Min Bending Dia.	1100	1200	2000	1600
Dia. of Standard Module (mm)		500	550	600	650
Rolling Speed (m/min)		4	4	3	3
Main Motor Power(kw)		15	18.5	18.5	30

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→ ZHOUXIANG WELDER

► INVERTER CO₂ WELDER



NBC-500D

► THYRISTOR CO₂ WELDER



ZKR-350

► TECHNICAL PERFORMANCE

1. Idopting IGBT power module, amorphous alloy magnetic core and fast return power diode as power inverter and transfer key component.
2. Adopting high performance 16 bit DSP chip as main control chip, high controlling precision and fast response speed.
3. Having the function of parameter preset function and can save current parameter calling preset parameter.
4. Adopting new technology, like wave control and elect ronical reactor.
5. Wire feeding circuit adopting PWM speed adjustment, stable wire feeding and low welding spatter.
6. Suitable for mild carbon steel, stainless steel, aluminium and all uminium alloy material welding. (2 and 3 only suitable for NBM)

Item	Type	NBC-350D	NBC-500D
Rated input voltage		3~380V 50Hz	
Rated input current		25A	43A
Rated input capacity		14kVA	23.5kVA
No-load voltage		60V	
No-load loos		65W	80W
Voltage range		16±1V~40±2V	16±1V~46±2V
Current output range		50~350A	50~500A
Adapted welding wire		φ 0.8/ φ 1.0/ φ 1.2	φ 1.0/ φ 1.2/ φ 1.6
Rated load cycle		X=60%	
Efficiency		η ≥0.85	
Power factor		λ ≥0.7-0.9	
Cover protective degree		Ip21	
Cooling mode		Wind cooling	
Weight		45kg	70kg
Dimension(L×W×H)		590×310×540mm	650×310×540mm

► TECHNICAL PERFORMANCE

1. Adopt import thyristor module and integrated circuit control technology.
2. Welding arc is stable, good adjust capacity, it can suit all direction welding: it has little spatter.
3. Wire diameter select and arc holding selector "yes/no".
4. Solid / flux cored welding.
5. Easy to increase function and extend length of cable.
- 6.The machine is strong, relible and wearable. It can suitable for adverse circumstances.
7. Comparing with welding rod welding, the efficiency improved three times.

Item	Type	ZKR-350	ZKR-500
Rated input voltage		3~380V 50Hz	
Rated input capacity		18.1kVA	32kVA
Rated load volt age		31.5V	39V
Rated current current		350A	500A
Working current range		60-350A	60-500A
Working curent range		15-40V	15-45V
Max.no-load voltage		50V	60V
Rated load cycle		60%	
Adapted welding wire		φ1.0 φ1.2	φ1.0 φ1.2 φ1.6
Weight		115Kg	225Kg
Dimension(L×W×H)		720×400×720	840×450×800

► SAW WELDER



ZD5-1250
(Thyristor)



MZ-1250
(Inverter)

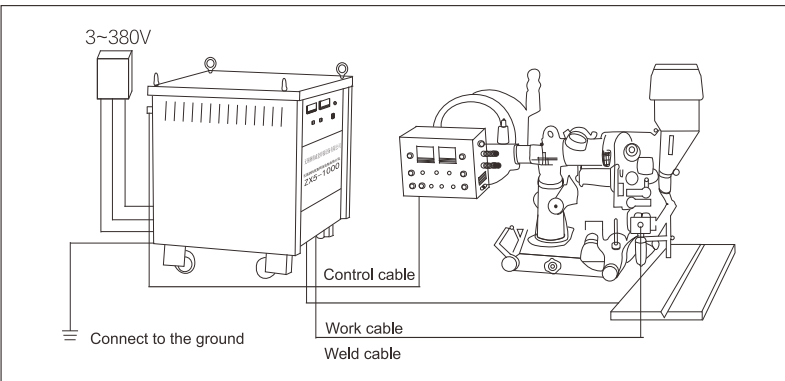
► TECHNICAL PERFORMANCE

1. Adopting IGBT inverter technology and advanced control circuit
2. Featuring excellent quiet & active character,easy arc starting & Stable welding
3. Set a function of current preplacement for easy operation
4. Having fine protecting functions including overcurrent, overheatingand undervoltage
5. Can be used as Submerge welding Power

Item	Type	MZ-1250	ZD5-1250
Rated input voltage		3~380V 50Hz	3P, 380V, 50Hz
Rated input capacity		66KVA	83KVA
No-load voltage		80V	75V
Rated load cycle		80%	60%
Rated current		1250A	1250A
Current range		150~1250A	100~1250A
Weight		120kg	370kg
Dimension (L×W×H)		750×360×810mm	950×650×810mm



Feeding cart



CUSTOMER LIST

 CCC New High Tech. Enterprise In Jiangsu Prov.



You satisfaction is our forever pursuing!

Improving Pursue perfecting

From time to space, from history to modernity and from the outside to the inside, The new century belongs to Zhouxiang People in the continuous innovating and seeking perfection.

