



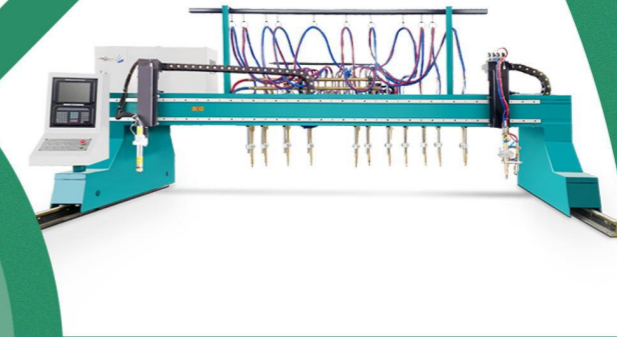
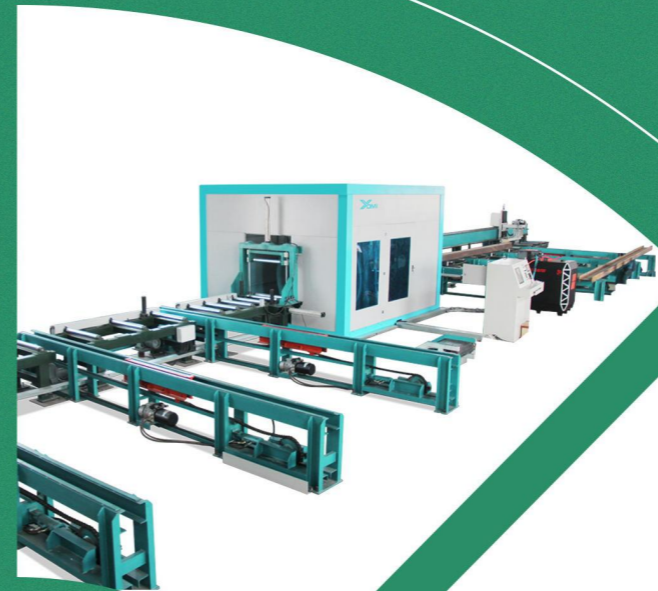
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**YOMI WELDING
CUTTING DRILLING
MACHINERY
MANUFACTURER**

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ABOUT US

Profile Welding & Cutting & Drilling

YOMI



ABOUT US

Shandong Yomi Intelligent Science and Technology Co., Ltd. is a professional high-tech manufacturer engaged in R&D, production, sales welding & cutting & drilling machinery for plate, pipe and beam profiles in steel structure industry, with more than 16 years' experience.



Yomi has 1 overseas warehouse in South Africa, 2 R&D centers in Jinan and Shanghai, 3 factories, 9 production workshops located in Dezhou city.

Our factory covers an area of 40,000 m², with more than 400 employees, more than 50 professional technical engineers. Our machines have been exported to more than 160 countries and regions.

YOMI is committed to one-stop service for global customers with the best quality and service!

► PRODUCTION WORKSHOP



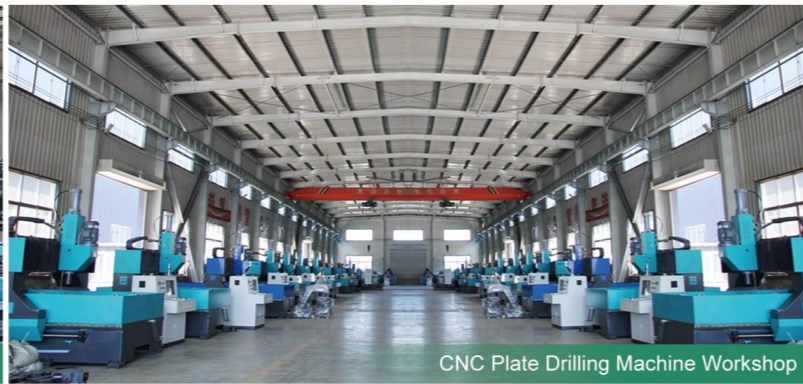
Gantry CNC Plasma Cutting Machine Workshop



Portable CNC Plasma Cutting Machine Workshop



Pipe CNC Plasma Cutting Machine Workshop



CNC Plate Drilling Machine Workshop



Beam CNC Plasma Cutting Machine Workshop



Laser Cutting Machine Workshop



Table CNC Plasma Cutting Machine Workshop

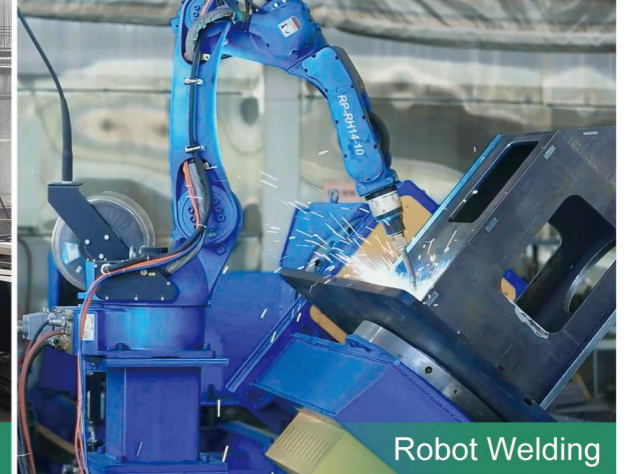


H Beam Production Line Workshop

► PROCESSING WORKSHOP



Laser Cutting



Robot Welding



Spraying Production Line



Shot Blasting Machine



Processing Center



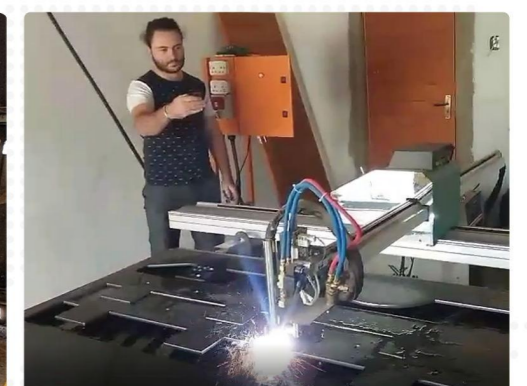
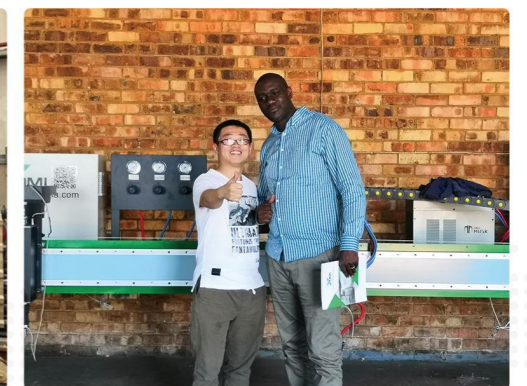
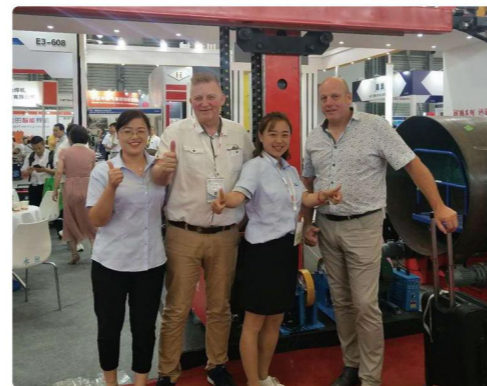
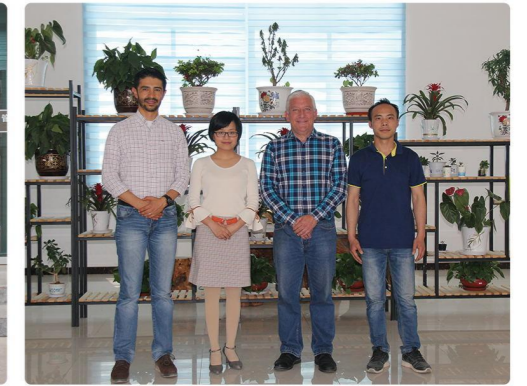
CNC Lathe



Standardized Assembly Workshop

CUSTOMER CASE & CUSTOMER SITE

CUSTOMERS FROM 160 COUNTRIES AND REGION
SPEAK HIGHLY OF YOMI PRODUCTS





COMPANY HONOR

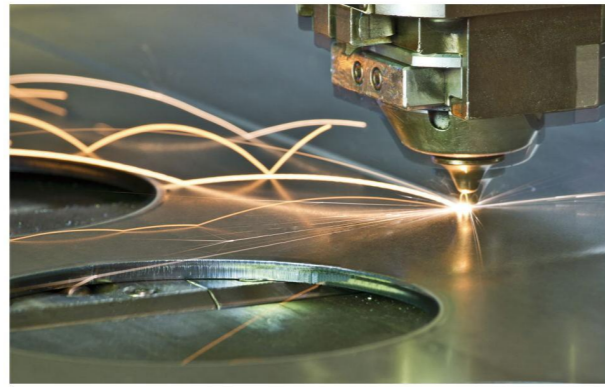


COMPANY PANET



Utility Model Patent Certificate





01 Plate Processing Machinery

- 01 - 02 Portable CNC Plasma Flame Cutting Machine
- 03 - 04 Portable Gantry CNC Plasma Flame Cutting Machine
- 05 - 06 Pipe&Plate CNC Plasma Flame Cutting Machine
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- 47 - 48 8 Axis Pipe AND Tube Plasma Cutting Machine
- 49 - 50 Roller Type Large Diameter Pipe CNC Plasma Cutting Machine
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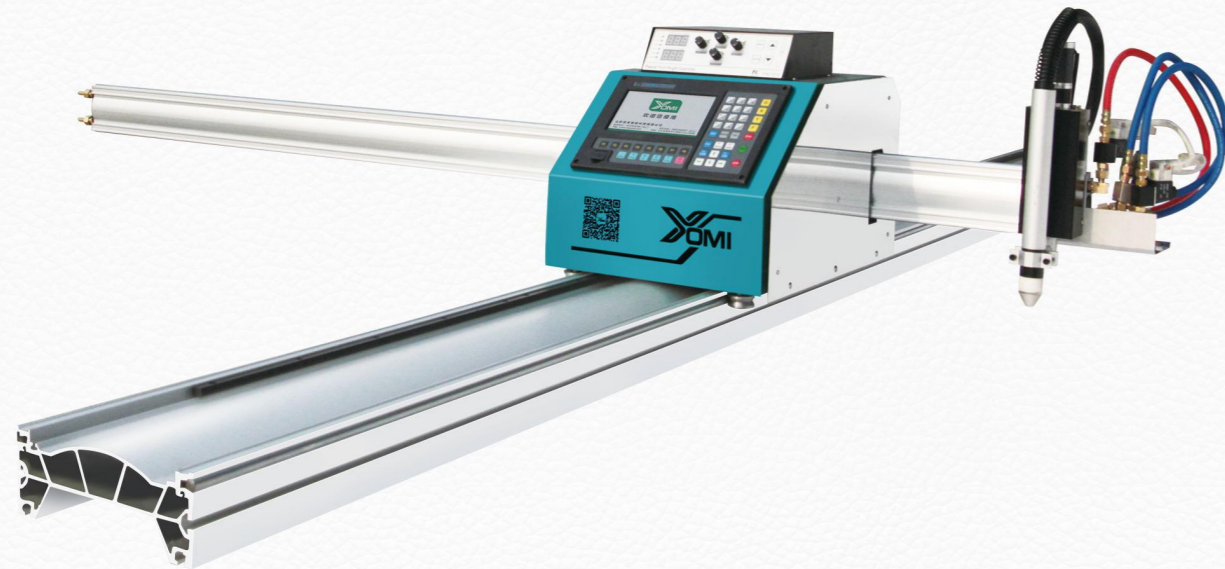
06 Plasma Power Source

- 53 - 54 CUT - / 100 / 120 / 200 (Yomi)
- 55 - 56 LGK - 120 / 160 / 200 / 300 / 400 (Huayuan)
- 57 - 58 Powermax 45A / 65A / 85A / 105A / 125A (Hypertherm)

07 Steel Structure Auxiliary Equipment

- 59 10Kg Welding Positioner
- 60 30Kg / 50Kg Welding Positioner
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- 63 Automatic Welding Manipulator Column And Boom
- 64 Adjustable Welding Rotator
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► Portable CNC Plasma Flame Cutting Machine

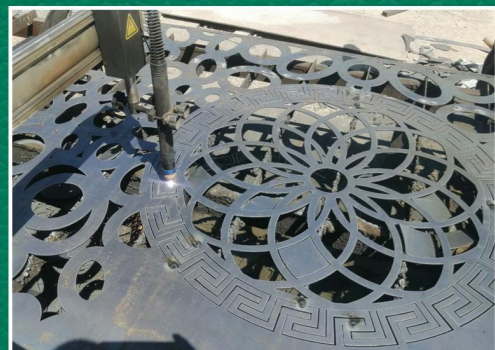


Technical Parameters

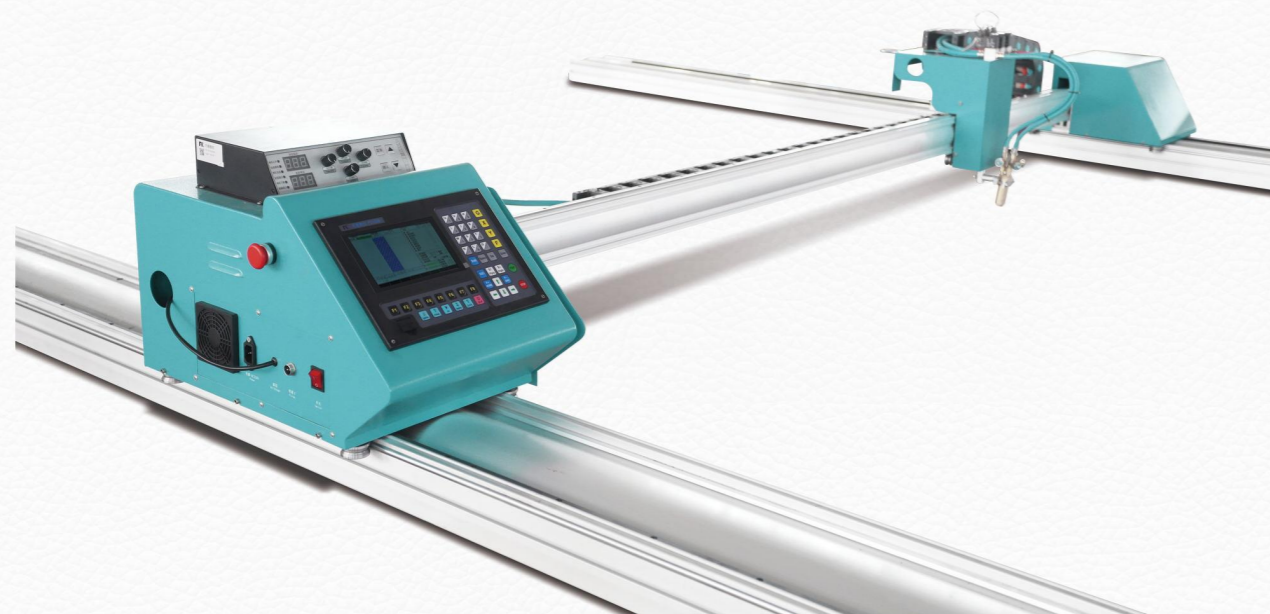
CNC Machine voltage	Single phase 220V,50HZ(customized)
Plasma power voltage	Three phase 380V, 50HZ (customized)
Cutting mode	Plasma and flame
Effective cutting range(mm)	1500mx3000mm (customized)
Plasma power source	According to customers' requirements
Plasma Cutting speed(mm/min)	50-3000mm/min
Moving precision	±0.1mm/m
Cutting accuracy	≤±0.5mm/m
Driving mode	Unilateral drive
File transmission	USB
Cutting controller system	Fangling F2100B
THC	Fangling F1621
Nesting Software	Starcam (Fastcam optional)
Emergency stop	Yes
Arc Voltage Height Adjustment	100mm

► Machine Features

- This machine adopts aluminum alloy guide rails and unilateral drive. It can be equipped with automatic flame and plasma cutting torch, THC is according to users' requirements.
- The beam adopts aluminum profile structure, which has good overall rigidity, high strength and light weight, and each guiding surface is processed by precision machining.
- The graphics can be automatically sorted on cutting machine, and operator only needs to input cutting quantity and arrangement direction to realize continuous automatic cutting in large batches.
- It is widely used in cutting carbon steel, stainless steel and aluminium sheets ect.



► Portable Gantry CNC Plasma Flame Cutting Machine



Technical Parameters

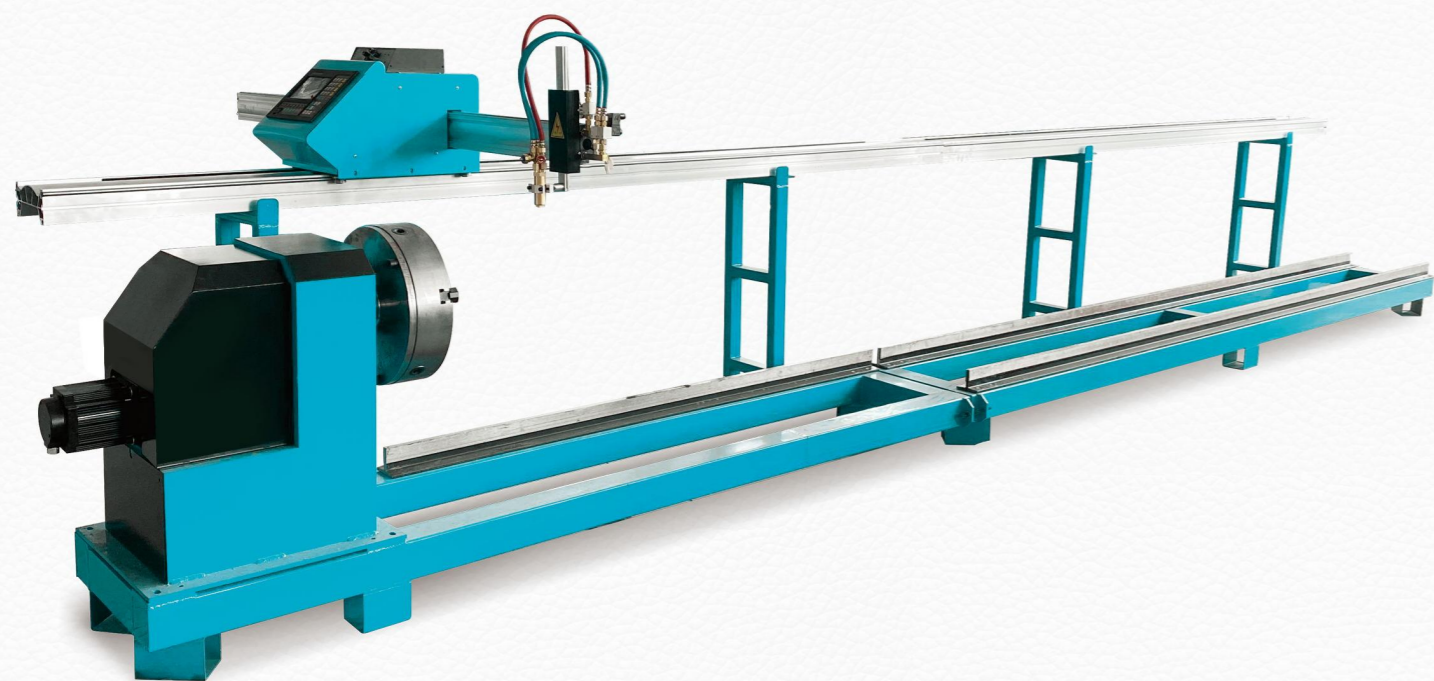
Model	YM-3070
Main frame	It adopts aviation aluminum
Drive way	Bilateral drive
Effective cutting area	2300mm*6000mm(customized)
Cutting accuracy	±1mm/1000mm
Plasma Cutting speed(mm/min)	50-3000 mm/min
CNC system	Shanghai Jiaotong University F2100
Motor/Drive	Beijing Start
CNC horizontal moving lifting device	Yomi High-precision screw lifting
Horizontal gas circuit cable drive	Gantry special widening engineering drag chain
CNC Flame cutting torch	1 set
THC	Chengdu Zhongyu
Nesting software and tutorial	Starcam (Fastcam optional)
Rack	High-precision 1-mold rack
The control line	Fully shielded to resist interference
Cutting method	Flame + plasma cutting

► Machine Features

- It adopts high-strength aluminum alloy rails and dual drive motors.
- It has large cutting range, stable operation, low cost.
- Whole machine is compact in appearance, light in weight, stable in operation, high in cutting precision .
- It can be equipped with automatic flame and plasma cutting torch, THC is according to users' requirements.
- The graphics can be automatically sorted on cutting machine, and operator only needs to input cutting quantity and arrangement direction to realize continuous automatic cutting in large batches.
- It is widely used in cutting carbon steel, stainless steel and aluminium sheets ect.



► Pipe&Plate CNC Plasma Flame Cutting Machine



Technical Parameters

Model	YMBX-1560
CNC Controller	Shanghai Fangling F2100BX
THC	Shanghai Fangling F1621
Plasma Cutting speed (mm/min)	50-3000mm/min
Moving precision	±0.1mm/m
Cutting accuracy	≤ ±0.5mm/m
Guide rail	Longitudinal T-rail
Lifting device	Electric rack and pinion
Drag chain	Wear-resistant nylon chain
Cutting thickness	According to plasma power source
Plate cutting size	1500x6000mm
Cutting pipe diameter	50-300mm
Cutting pipe length	6000mm
Machine size/track length	2000X6800mm
Programming software	TubeMaster(2 Axis)

► Machine Features

- This machine adopts professional plate and pipe CNC system, supporting both plate and pipe cutting.
- It supports both flame cutting and plasma cutting .
- Whole machine is compact in appearance, light in weight, stable in operation, high in cutting precision .
- Large number of standard and special graphical macro library to choose.
- It is widely used in cutting carbon steel, stainless steel and aluminium sheets ect.



► Table CNC Plasma Cutting Machine



Technical Parameters

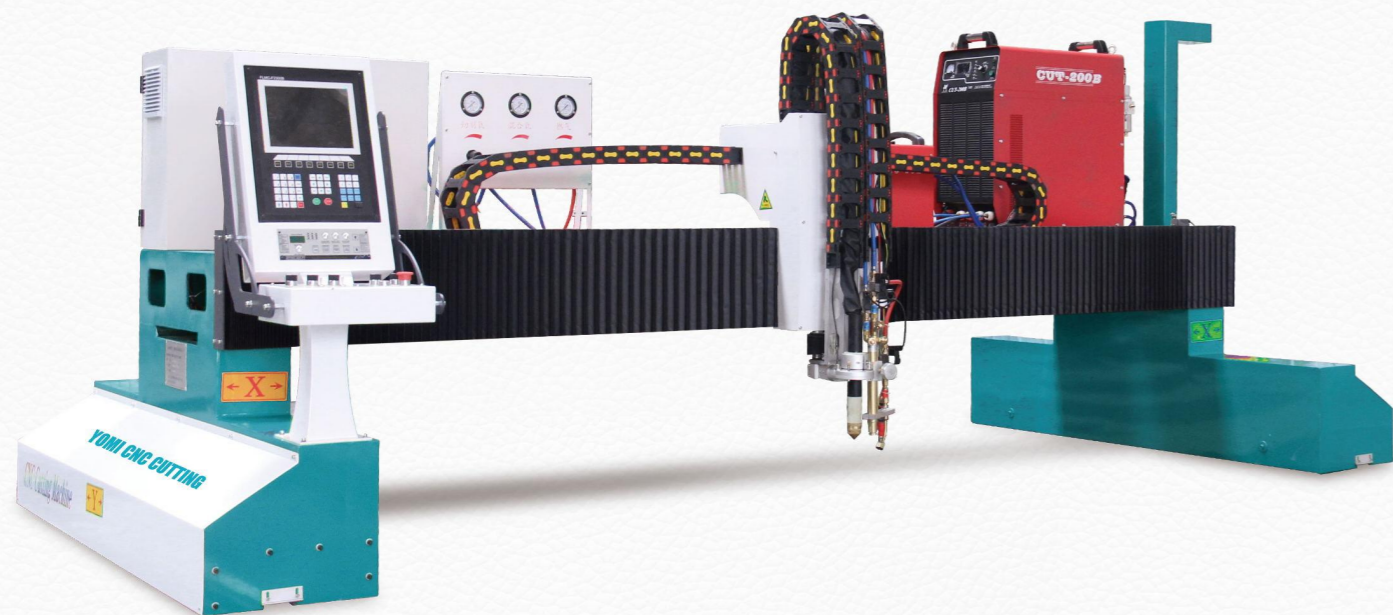
Model	YMT-1530
Horizontal span	1750mm
Effective cutting width	1500mm
Longitudinal span	3600mm
Effective cutting length	3030mm
Plasma cutting power source	According to customers' requirements
Height of cutting torch	0-150mm
Cutting speed	0-15000mm/min
THC system	Fangling F1621
Control System	F2300
Nesting software	Starcam(Fastcam optional)
Driving mode	Bilateral drive
Weight	1000KGs
Package dimensions	3600*2280*1700mm

► Machine Features

- It adopts high-strength bilateral guide rails and dual drive motors.
- Whole machine is compact in appearance, stable in operation, high in cutting precision.
- It can be equipped with automatic flame and plasma cutting torch.
- It has anti-collision device. It not only can provide protection for plasma torch, but also improve cutting effect.
- It is widely used in cutting carbon steel, stainless steel and aluminium sheets ect.



► Gantry Type CNC Plasma Flame Cutting Machine



Technical Parameters

Model	YM-CS
Machine width	4000mm or customized
Effective cutting width	3150mm or customized
Longitudinal rail length	10000mm or customized
Effective cutting length	8000mm or customized
Cutting method	Flame and plasma
Plasma cutting thickness	It is depended by plasma power source
Flame cutting thickness	6-150mm
Control system	Shanghai Fangling F2300B
THC	Hongyuda
Driving method	Servo motor bilateral drive
Nesting software	Starcam(Fastcam optional)
Ignition model	Automatic ignition
Power source voltage/frequency	Three Phase 380V,50Hz or customized
Machine voltage/frequency	Single Phase 220V,50Hz or customized

► Machine Features

- It is suitable for heavy duty industry with high cutting performance.
- Max.plasma cutting thickness can reach 50mm, cutting surface verticality can be controlled in 2°
- It supports both flame cutting and plasma cutting,multiple groups of strip torches can be added.
- It is widely used in cutting carbon steel, stainless steel and aluminium sheets ect.



► Gantry Type Pipe and Plate CNC Plasma Flame Cutting Machine



Technical Parameters

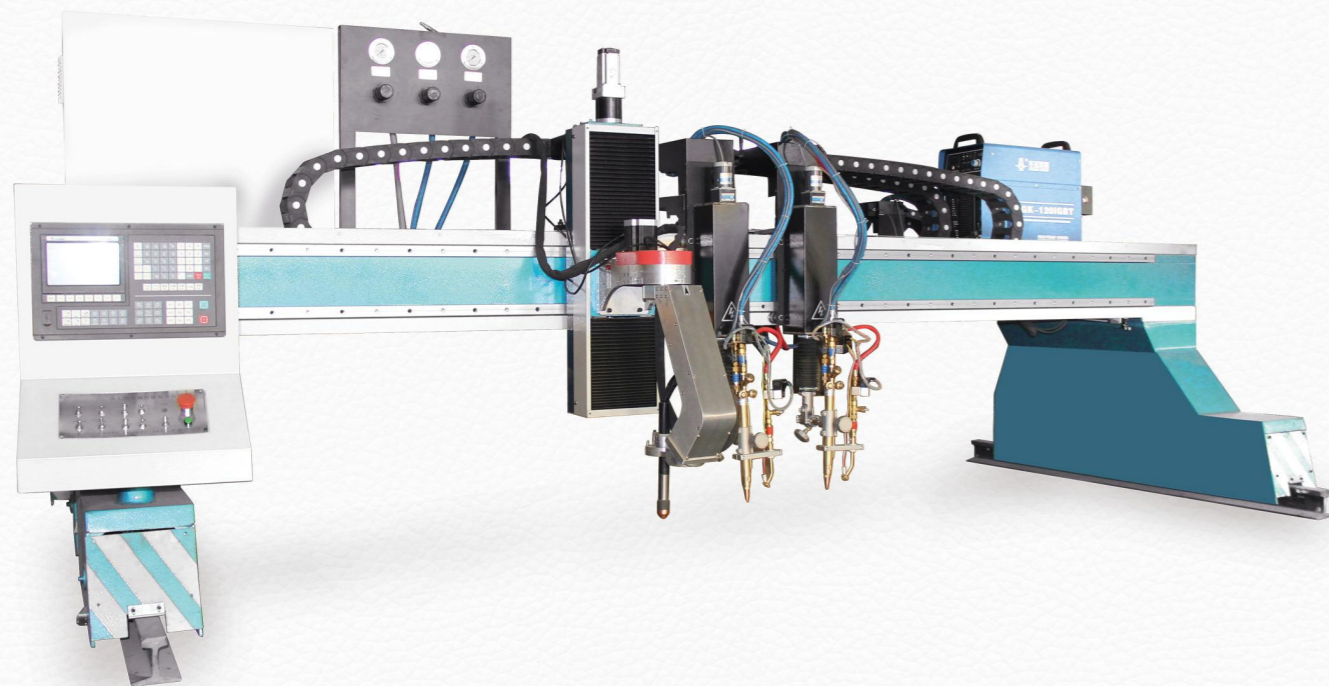
Model	YMBG-3000*6000
CNC control system	Shanghai Fangling F2300BX
THC	Shanghai Fangling F1621
Clamping device	Three-jaw chuck
Longitudinal drive	Beijing Start
Y axis rotation axis drive	Beijing Start
Transfer method	Chuck drive
Guide rail	24KG T shape guide rail
Lifting device	Electric rack and pinion
Drag chain	Wear-resistant nylon chain
Cutting method	Plasma and flame
Plasma cutting thickness	It is depended by plasma power source
Flame cutting thickness	150mm
Cutting pipe diameter	50-300mm
Cutting pipe length	6000mm

► Machine Features

- This machine adopts professional plate and pipe CNC system, supporting both plate and pipe cutting.
- It supports both flame cutting and plasma cutting .
- Large number of standard and special graphical macro library to choose.
- It is widely used for cutting carbon steel, stainless steel and aluminium sheets ect.



► Vessel Head CNC Plasma Flame Cutting Machine



Technical Parameters

Machine Width	5000mm or customized
Longitudinal rail length	6000mm or customized
Effective cutting width and length	≥4200mm
Type of cutting material	Carbon steel/Stainless steel
Variable beveling device	1 Group
Plasma cutting torch	1 Group
Plasma vertical cutting thickness	It is depended by plasma power source
Maximum idle speed	0~6000 mm/min
Drive way	Servo bilateral drive
Transfer method	Gear rack
CNC control panel direction	Specific according to user's requirements
Automatic programming, nesting software	Starcam

► Machine Features

- Self-developed multi-axis CNC system, digital AC servo closed-loop control mode, parameterized library programming software.
- Multiple openings are discharged at one time, continuous cutting can realize the orthogonal, eccentric and oblique intersection of the porous cylinder head, tracking and compensation of the slit, wall thickness, ovality, groove angle and other compensation functions during cutting graphics and simulation function display.
- It can be used in chemical equipment, industrial and civil boilers, pressure vessels, pharmaceutical equipment manufacturing, marine engineering, shipbuilding and other industries.



► Table Laser Cutting Machine



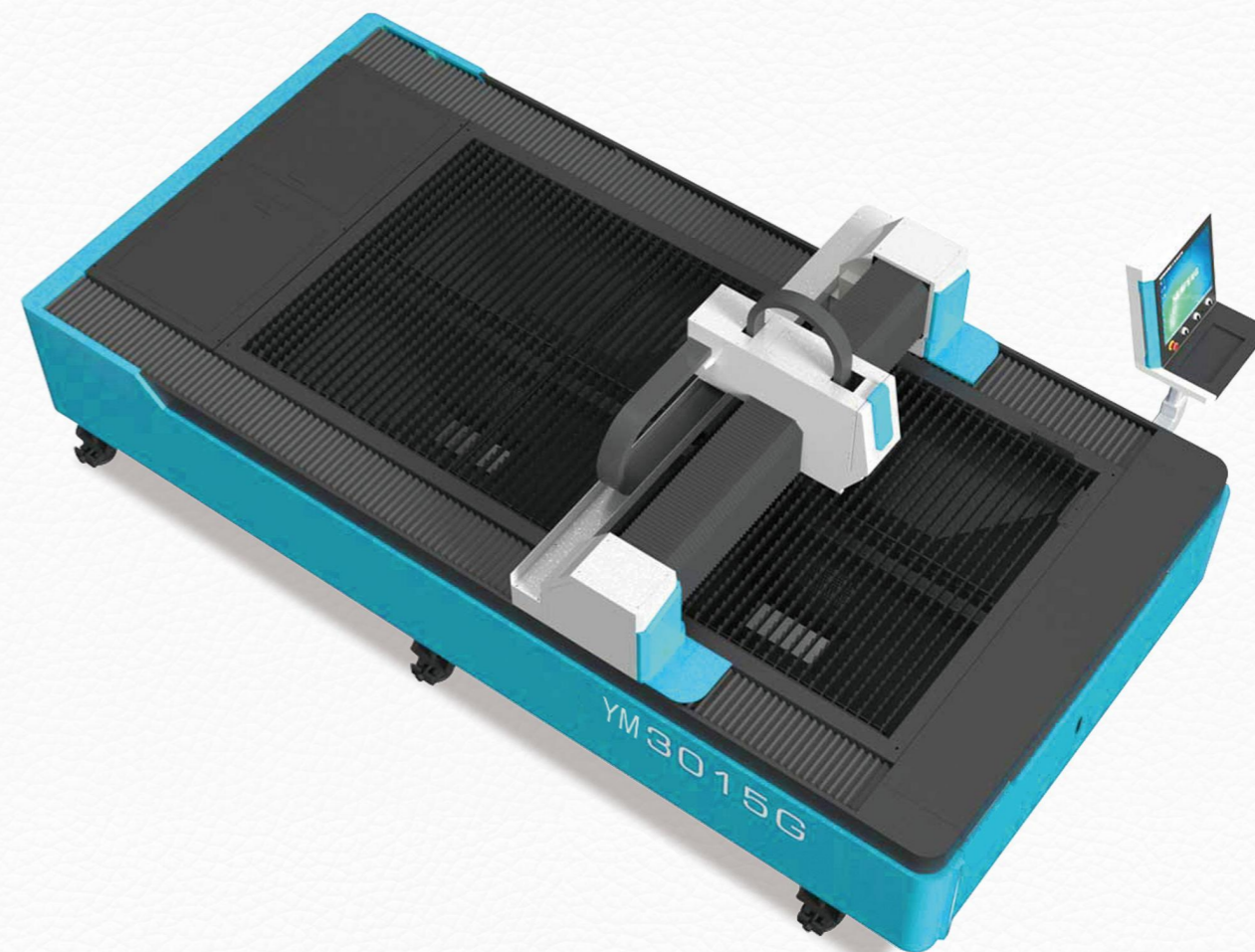
Cost effective king



Multiple power options



Entry level fiber laser cutter



- Work more efficiently and save costs.
- There are multiple power options to choose.
- The overall structure is compact and easy to operate



Aviation Aluminum Gantry



Heavy Plate Welding Bed



Reducer

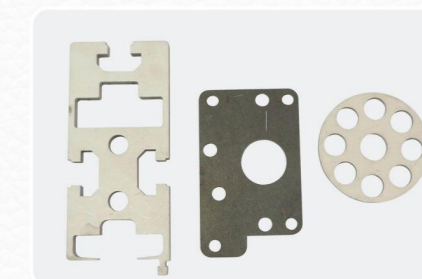


Servo-Motor

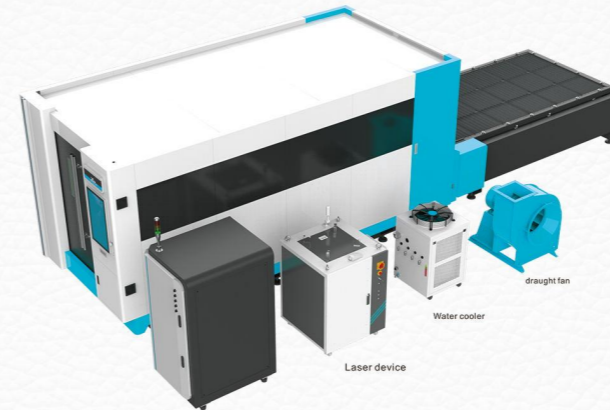
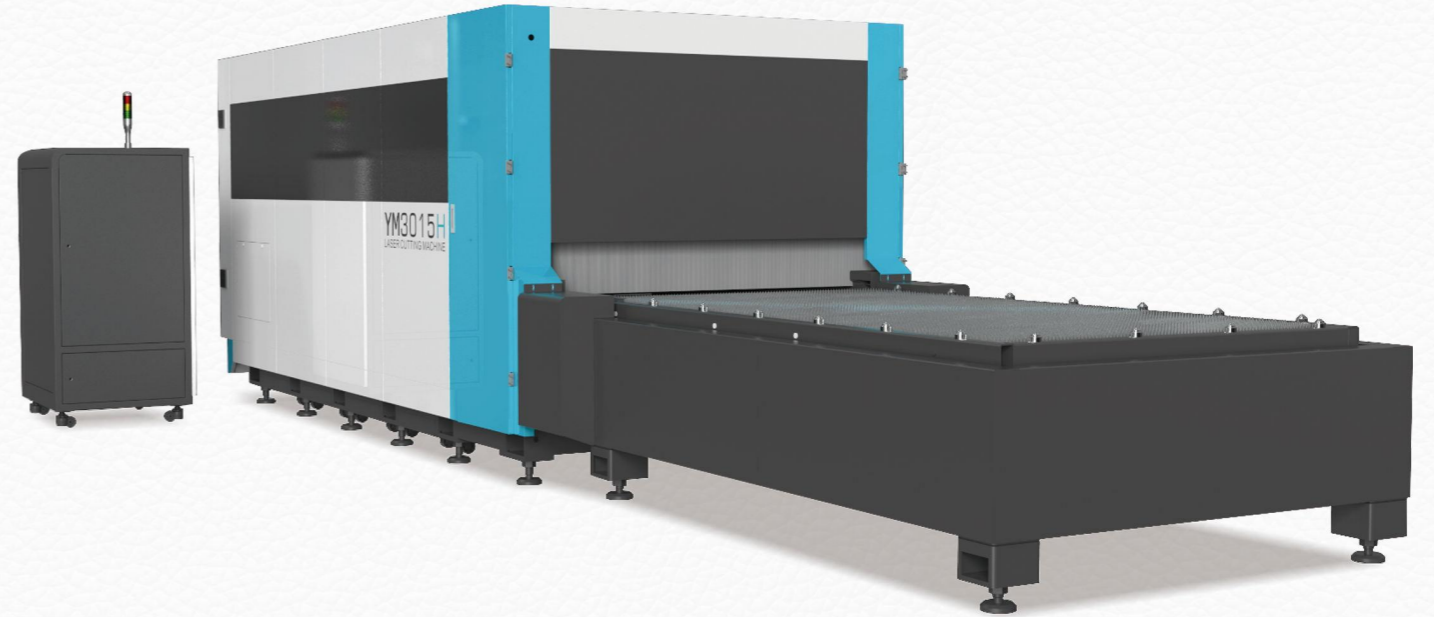
Technical Parameters

Model	YM3015G/YM4015G/YM4020G/YM6015G
Working Area(mm)	3000*1500/4000*1500/4000*2000/6000*1500/6000*2000
Laser Power	1KW-3KW
Repeated Positioning Accuracy	±0.02mm

APPLICATION SHOW



► Totally-Enclosed Laser Cutting Machine



- This machine has a low operating cost and fast return on investment.
- It adopts heavy plate welding bed and not easy damage it.
- With a fully enclosed design, no polluting and environmentally friendly.

Technical Parameters

Model	YM3015H/YM4020H/YM6020H/YM6025H/YM8025H/YM12025H
Working Area(mm)	3050*1530/4050*2030/6050*2030/6050*2530/ 12050*2530
Laser Power	6KW-20KW
Repeated Positioning Accuracy	±0.02mm
Max.running speed	120m/min
Max.acceleration	1.5G
Specified voltage and frequency	380V50Hz/60Hz

APPLICATION SHOW



► Hydraulic Press Brake



v	4	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	65	70	80	90	100	120
b	2.8	4	5.5	7	8.5	10	11	12.5	14	17	20	22	25	28	31	35	38	42	46	49	56	63	70	85
R	0.7	1	1.3	1.6	2	2.3	2.6	3	3.3	3.8	4.5	5	6	6.5	7	8	9	10	11	12	13	14	16	19
S	0.5	40	30																					
	0.6	60	40	30	30																			
	0.8		70	50	40	30																		
	1		110	80	70	60																		
	1.2			120	100	80	70	60																
	1.5				150	120	110	90	80															
	2					220	190	170	150	130	110													
	2.5							250	220	200	170	150	130											
	3								330	290	250	210	180	160										
	3.5									400	330	290	250	220	200									
	4										440	370	330	290	260	230	210							
	4.5											470	410	370	290	300	270	250						
	5												510	450	370	360	330	300	270	250	340			
	6													450	520	470	430	390	360	600	300			
8															820	750	700	640	920	520	460	420		
10																1070	990	1320	810	720	650			
12																				1160	1030	950	780	
14																					1400	1250	1100	

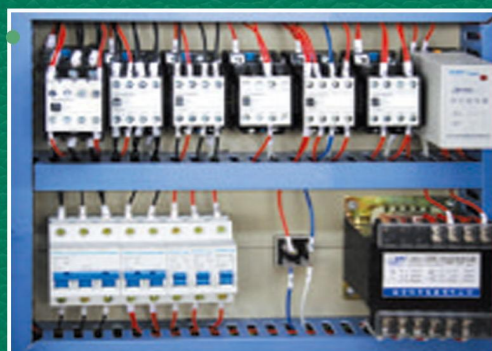
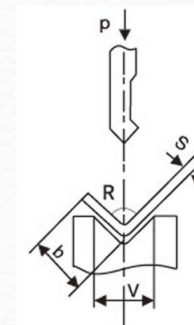
The Calculation of this form is based on the following conditions:
 Material Strength: $\sigma_b=450\text{N/mm}^2$ and
 Material Length: 1000mm.
 Scaling calculation for other materials and different length

► Machine Features

- All-Steel welded structure provides sufficient strength and rigidity.
- Upper Part adopts hydraulic driven with smooth and reliable feature.
- Mechanical Ram, Synchronous torque shaft, High Precision.
- Electronical Regulation and Digital Display for the back-gauge distance and upper-ram travel.
- The upper ram is fixed with Deflection compensation mechanism to obtain high bending precision

Calculation Formula of the press force:

P-Press Force(KN)
 S-Plate Thickness(mm)
 L=Plate Width(m)
 V-Notch Width of the lower die(mm).
 Formula: $P=650s^2L/V(\sigma_b=450\text{N/mm}^2)$



► Electro-Hydraulic Synchronous Press Brake



► Machine Features

- Integral welding mechanism make sure it has high strength.
- The closed-loop control mode composed of electro-hydraulic servo valve and grating ruler imported from Germany has many excellent features such as high feedback accuracy of ram position, accurate and stable operation, good synchronization, high bending accuracy and ram repositioning accuracy.
- Multiple back gauge shafts with more functions is available according to customer needs.
- The hydraulic system adopts integrated control system, which reduces the pipelines, overcomes the phenomenon of oil leakage, and ensures the stability of the machine.
- The hydraulic deflection crowning system eliminates the influence of the ram deformation on the quality of the workpiece, and the numerical control system automatically adjusts the compensation, which is convenient and accurate.
- The numerical control system adopts the special numerical control system of Dutch DELEM, Italian ESA or Swiss CYBELED for electro-hydraulic servo press brake.

► Technical Parameters

MODEL NUMBER	FORCE (TONNES)	LENGTH OF BED (mm)	DISTANCE BETWEEN FRAMES (mm)	THROAT DEPTH (mm)	RAM STROKE (mm)	RAM OPEN HEIGHT (mm)	MAIN MOTOR (KW)	OVERALL DIMENSIONS (mm)
40T/2200	400	2200	1600	260	100	320	4	2200x1200x1910
40T/2500	400	2500	1900	260	100	320	4	2500x1200x1910
50T/2500	500	2500	1900	260	100	330	5.5	2500x1260x2000
63T/2500	630	2500	1900	280	120	330	5.5	2500x1300x2210
63T/3200	630	3200	2600	280	120	330	5.5	3200x1300x2210
80T/3200	800	3200	2600	300	120	360	7.5	3200x1400x2300
80T/4000	800	4000	3100	300	120	360	7.5	4000x1400x2300
100T/2500	1000	2500	1900	320	120	380	7.5	2500x1500x2400
100T/3200	1000	3200	2600	320	120	380	7.5	3200x1500x2400
100T/4000	1000	4000	3100	320	120	380	7.5	4000x1500x2400
125T/3200	1250	3200	2600	320	120	380	7.5	3200x1550x2500
125T/4000	1250	4000	3100	320	120	380	7.5	4000x1550x2500
160T/3200	1600	3200	2550	340	200	460	11	3200x1650x2700
160T/4000	1600	4000	3050	340	200	460	11	4000x1650x2700
160T/5000	1600	5000	3950	340	200	460	11	5000x1750x3100
160T/6000	1600	6000	4950	340	200	460	11	6000x1800x3200
200T/3200	2000	3200	2600	360	200	460	15	3200x1950x2800
200T/4000	2000	4000	3100	360	200	460	15	4000x1950x2800
200T/5000	2000	5000	4000	360	200	460	15	5000x1950x3000
200T/6000	2000	6000	5000	360	200	460	15	6000x2000x3200
250T/3200	2500	3200	2600	400	250	460	18.5	3200x2000x3200
250T/4000	2500	4000	3100	400	250	460	18.5	4000x2000x3400
250T/5000	2500	5000	4000	400	250	460	18.5	5000x2000x3400
250T/6000	2500	6000	5000	400	250	460	18.5	6000x2000x3400
300T/3200	3000	3200	2600	400	250	520	22	3200x2000x3400
300T/4000	3000	4000	3100	400	250	520	22	4000x2000x3450
300T/5000	3000	5000	4000	400	250	520	22	5000x2000x3450
300T/6000	3000	6000	5000	400	250	520	22	6000x2000x3450
350T/4000	3500	4000	3100	400	250	520	22	4000x2080x3450
350T/5000	3500	5000	4000	400	250	520	22	5000x2080x3450
350T/6000	3500	6000	5000	400	250	520	22	6000x2080x3450
400T/4000	4000	4000	3100	400	300	560	30	4000x2180x3500
400T/5000	4000	5000	4000	400	300	560	30	5000x2180x3500
400T/6000	4000	6000	5000	400	300	560	30	6000x2180x3800
500T/4000	5000	4000	3100	400	300	600	37	4000x2250x3700
500T/5000	5000	5000	4000	400	300	600	37	5000x2250x3700
500T/6000	5000	6000	5000	400	300	600	37	6000x2300x3800
600T/4000	6000	4000	3100	400	300	600	45	4000x2400x3700
600T/5000	6000	5000	4000	400	300	600	45	5000x2400x3700
600T/6000	6000	6000	5000	400	300	600	45	6000x2400x3800

► Gantry CNC Plate Drilling Machine



Technical Parameters

Model	YM-PD2016	YM-PD2016 /2	YM-PD3016	YM-PD3016/2
Processing scope(mm)	2000×1600	2000×1600	3000×1600	3000×1600
Stack thickness(mm)	100			
Spindle number	1	2	1	2
Spindle model	Morse 4 # taper hole			
Spindle rotating speed(r/min)	120-560	120-560	120-560	120-560
Feed mode	Hydraulic automatic stroke drilling power head			
Feed stroke (mm)	180			
Drilling diameter (mm)	φ12~φ5 (φ12 ~Φ63optional)	φ12~φ50 (φ12 ~Φ63 optional)	φ12~φ50 (φ12 ~Φ63 optional)	φ12~φ50(φ12 ~Φ63 optional)
Main motor power (Kw)	5.5/7.5 (optional)	5.5×2 /7.5×2 (optional)	5.5/7.5(optional)	5.5×2/7.5×2 (option)
Drilling precision(mm)	±0.5			
Re-positioning precision(mm)	±0.2			
Number of clamping cylinders	12			
Clamping force (KN)	7.5			
Clamping system	Double side button control of gantry			
Hydraulic pump Pressure (Mpa)	6			
Control system	PLC+IPC			
Size	3500x2650x2870mm			

► Machine Features

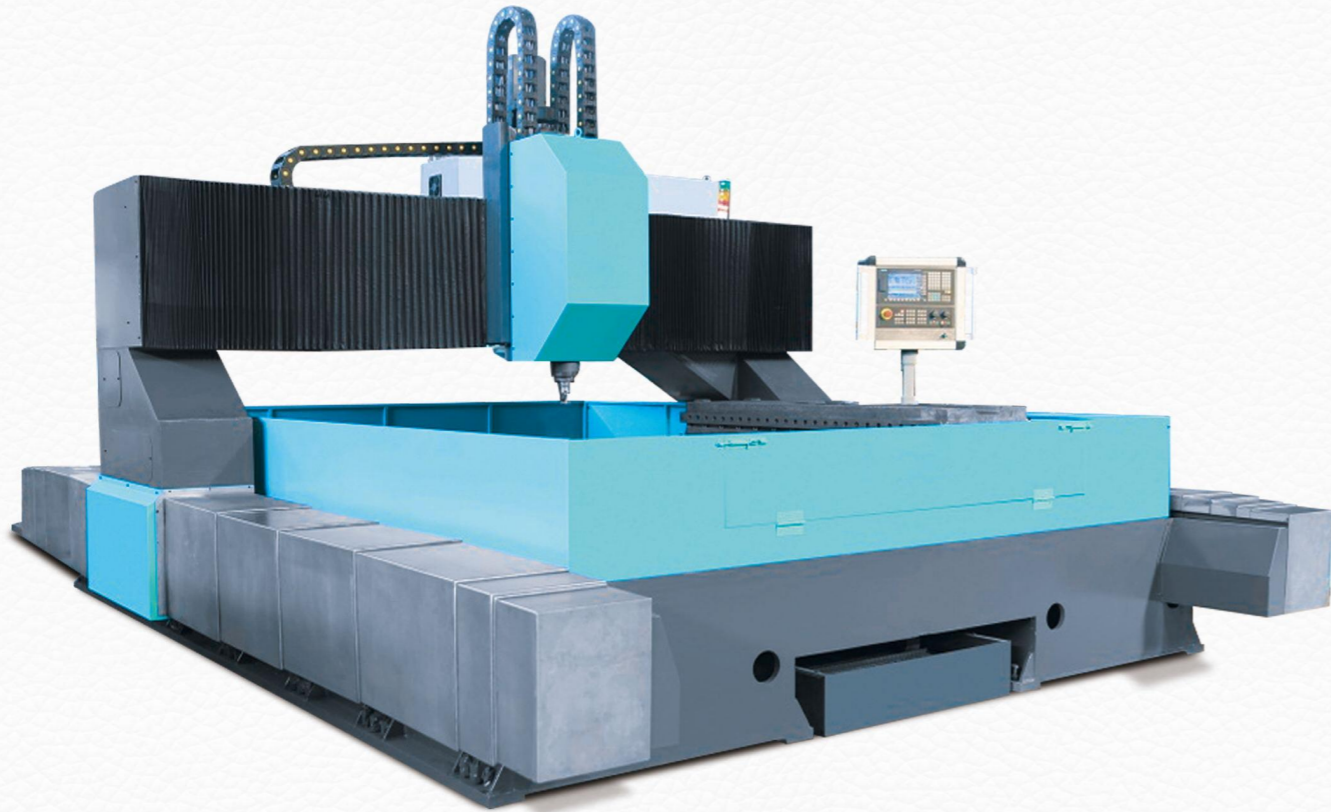
- It adopts hydraulic infeed drilling power head, which has high drilling efficiency.
- Four processing areas, 12 hydraulic clamps, accurate positioning, convenient and quick loading and unloading of workpieces.
- Automatic chip removal, coolant circulation.

► Application

It is used for steel structure,tower,bridge,mechanical processing and other industries of connecting plate,baseboard drilling processing.



► High Speed Gantry CNC Plate Drilling Machine



Technical Parameters

Model		YM-PHD1616	YM-PHD2016	YM-PHD2020
Processing range	L×W (mm)	1600×1600	2000×1600	2000×2000
	thickness(mm)	15-100		
Processing range	Number of spindle	1		
	Spindle model	BT40/BT50		
	Spindle speed(r/min)	30-4500		
	Feed stroke(mm)	260		
	Tapping diameter(mm)	M20		
Motor power(KW)	Spindle servo motor	7.5 /11		
	X Axis	2×2.3		
	Y Axis	2.3		
	Z Axis	2.3		
Positioning accuracy(mm)		0.1		
Repeatable positioning accuracy(mm)		0.08		
Control mode		SIEMENS 808D CNC system /PLC+ upper computer		
Weight(T)		5.5	6.6	7.2
Dimension(mm)		3800×2050×2750	4200×2450×2750	4200×2850×2750

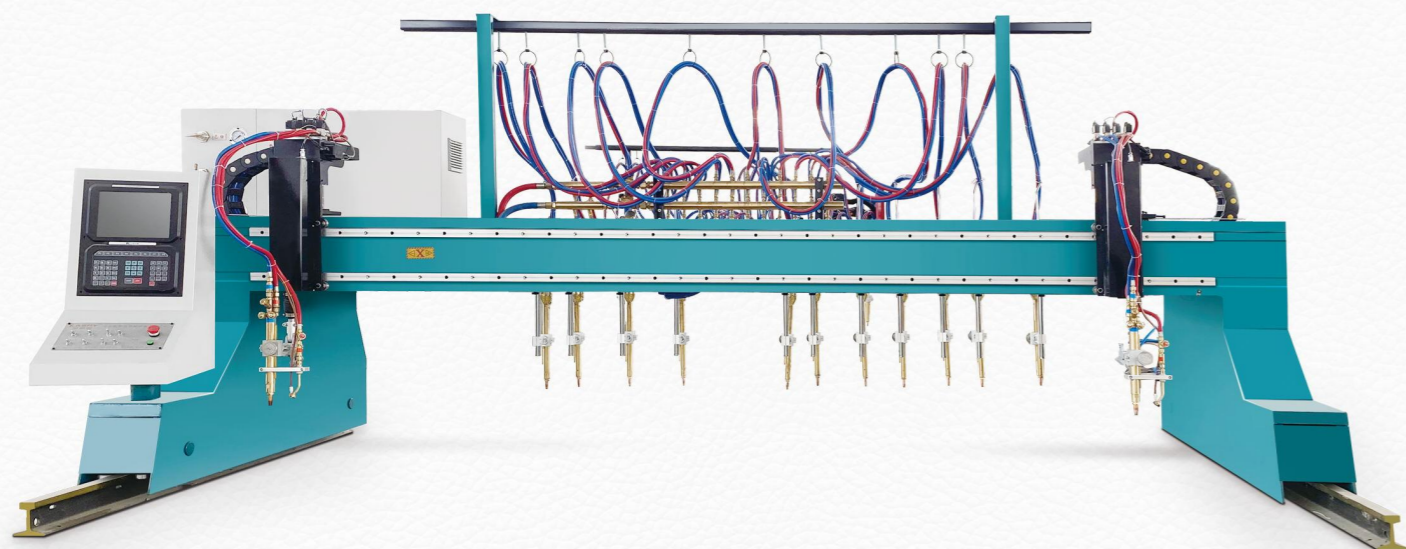
► Machine Features

- 1.Double side lead screw synchronous driving system,stable performance,flexible movement,accurate positioning.
- 2.Adopting slide head drilling and milling power head,it can realize automatic conversion of fast forward,drilling and quick return,and it has the function of automatic chip breaking.
- 3.Adopt Taiwan BT40 high speed internal cooling precision spindle,it can also adopt hard alloy internal cold drill bit, with high processing efficiency.
- 4.Equipped with pneumatic knife cylinder automatic knife replacement,optional tool magazine.
- 5.SIEMENS 808D CNC + servo motor control,it can directly transfer Auto CAD drawings to general processing program.
- 6.Automatic chip removal,cooling liquid recycling.

► Application

The machine is mainly used for drilling and milling of steel structure,iron tower,bridge,mechanical processing and other industries,such as connecting plate and floor board,drilling and milling of tubes,baffles and flanges in industries such as boiler, petrochemical,pressure vessel and so on;drilling holes,blind holes,step holes,chamfering and light milling.

► CNC Flame Strips Cutting Machine



Technical Parameters

Effective cutting width	3150mm or customized
Effective cutting length	8000mm or customized
Machine width	4000mm or customized
Machine length	10000mm or customized
Machine voltage/frequency	220V,50HZ or customized
Lifting distance	200mm
Flame torch	9 pcs or customized
Flame cutting thickness	6-200mm
Machine speed	0-8000mm/min
Speed error	≤±5%
Control system	Shanghai Fangling F2300B
Motor	Panasonic servo motors
Drive mode	Bilateral drive
Auto-precision	≤±1.0mm
Longitudinal linear precision	±0.2mm/10m

► Machine Features

- It is suitable for heavy duty steel structure industry with high cutting performance.
- It supports both flame cutting and plasma cutting.
- It is equipped with multiple groups of strip torches and the number of strip torches according to customers' requirement.
- It cut along longitudinal and transverse directions, and it can cut multiple identical kerfs at one time.



► H Beam Assembly Welding Straightening Machine 3 Functions in 1

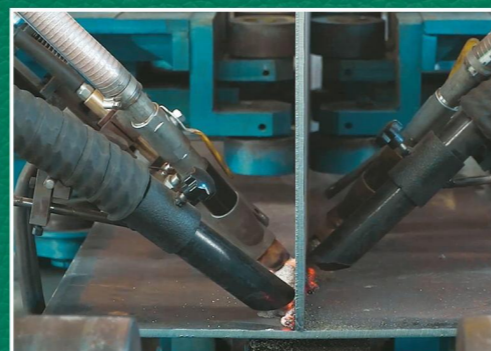


Technical Parameters

Web height	200-18000mm
Web thickness	6-20mm
Flange width	200-800mm
Flange thickness	6-30mm
Controllable deformation of thickness	Max 40mm
Workpiece length	4000-15000mm
Conveying speed of workpiece	6000mm/min
Welding speed	400-800mm/min
Welding process	Single arc single wire, Double arc double wire, Single arc double wire

► Machine Features

- It is a special machine for assembling, welding and straightening of H beam/I beam/T beam, Tapered beam.
- It integrates the processes of assembly machine, gantry welding and straightening machine into one machine.
- It significantly improves production efficiency ,reduces labour cost, saves installation space.



► H Beam Assembly Machine



► Machine Features

- It is suitable for assembling symmetrical H beam, I beam, T beam with constant cross section.
- The flanges and web are centered by three sets of centering manipulator groups at input roller table, then sent to the host,
- The hydraulic cylinder drives synchronous clamping and centering device on both sides to realize self-realization.
- PLC controls spot welding and fast forward speed, weld length and interval length during entire assembly process, which is easy to operate and it has high assembly efficiency.

Technical Parameters		
Model	YM-PHJ-0818	YM-PHJ-0820
Web height	200-1800mm	200-2000mm
Web thickness	6-32mm	6-60mm
Flange width	200-800mm	200-8000mm
Flange thickness	6-40mm	6-80mm
Welding speed	500-6500mm/min	4000-15000mm/min
Power	8.4KW (It does not include welding power source)	12.7KW (It does not include welding power source)

► H Beam Gantry Welding Machine



► Machine Features

- MH series gantry type welding machine is a special equipment for H-beam welding.
- Welding trolley is controlled and driven by inverter with stable speed, digital display speed and good reliability.
- Three axes Mechanical tracking arc guide mechanism and left right rotation floating tracking are equipped to ensure the welding torch aligned with weld seam.
- The welding operation adopts integrated linkage control, which is convenient and reliable.
- The arc guide device has double direction, back and forth welding characteristics to eliminate return time and improve work efficiency.

Technical Parameters		
Model	YM-MH4000	YM-MH5000
Flange width	200-800mm	200-800mm
Web height	200-1500mm	200-1800mm
Rail distance	4000mm	5000mm
Welding position	Fillet welding in the downhand/ flat position	Fillet welding in the downhand/ flat position
Driver	Bilateral	Bilateral
Rails length	18000mm(Customer supply)	18000mm(Customer supply)
Power	12.7KW (It does not include welding power source)	

► H Beam Straightening Machine (Hydraulic Type)



► Machine Features

- H beam hydraulic straightening machine is specially used to straighten the deformation of flange after welding.
- Adjust the distance between pressure roller and transmission roller on straightening machine(the distance value must be determined according to the thickness of flange and work piece angular deformation degree).
- H beam will be driven to go through three rollers by transmission roller, to make the flange with reverse angular deformation to be straightened.

Technical Parameters

Model	YM-HYJ-60
Flange width	200-800mm
Flange thickness	6-60mm
Minimum height of web	200mm
Straightening speed	4.8mm/min
Total power	30kw

► H Beam Straightening Machine (Hydraulic Horizontal Type)



► Machine Features

- This machine uses double-sided and Simultaneous straightening, which not only reduces the flipping workload and improves the efficiency, but also it is with superior quality than vertical straightening.
- It also has a significant straightening effect on the non-verticality of flanges and web.
- All straightening rollers adopt high-quality alloy steel with advanced heat treatment, to guarantee the long service life of each straightening rod.

Technical Parameters

Workpiece material	≤Q355
Flange width	200-800mm
Flange thickness	6-60mm
Minimum of Web height	300mm
Straightening speed	≈4500mm/min
Flange width	200-800mm
Web height	2000mm
Maximum pressure of hydraulic system	30Mpa
Conveyor roller motor power	4KW×2
Total power	40KW

► CNC 3D Drilling Machine

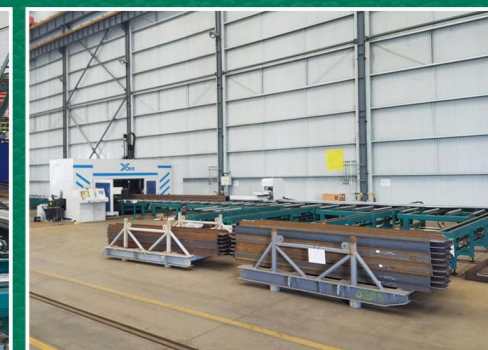
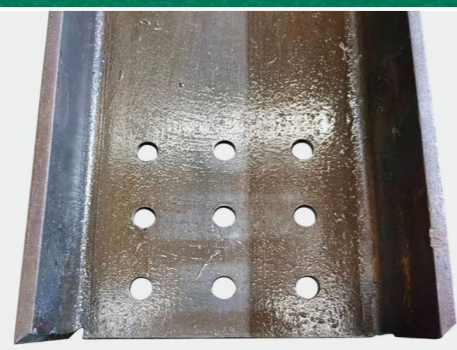


► Machine Features

- CNC 3D drilling machine specially designed and manufactured for the needs of processing technology in steel structure industry.
- It can be widely used in high-rise buildings, bridges, power station boilers, three-dimensional garages, offshore oil well platforms, plant construction and other steel structure industries.
- It can support TEKLA 3D software DSTV files, online and offline programming, 3D graphics preview, user-friendly interactive interface with automatic alarm display, with automatic fault diagnosis function, easy to operate.

Technical Parameters

Item	Parameter	
Workpiece range	H Beam	150x80~1250x600mm
	U Beam	150x80~1250x400mm
	Box beam	150x80~1250x400mm
	Angle steel	200x200x16 mm
	Thickness	≤80 mm
	Length	12/15m or customized
	Short material limit	Automatic processing≥3000mm
Drilling power box	Quantity	3Pcs
	Drilling hole diameter	Φ8~Φ40mm
	Spindle speed	30~3000r/min
	Spindle taper hole	BT40(Convertible to M4)
CNC axis	Spindle motor power	3×15KW
	Quantity	7 PCS
	Fixed side, moving side and intermediate shaft servo motor power	3×2KW
	Three positioning CNC axes moving Speed	0~10m/mi
Movement speed of three feed CNC axes	0~5m/min	
Machined hole accuracy	The distance between adjacent holes in hole group (<640mm) ±0.5	
	Adjacent hole group hole distance ±1.0mm/10000mm	
Feeding trolley servo motor power	5kw	
Max. feeding speed	20m/min	
Max. Feeding weight	10T (1t /m)	
Maximum width of workpiece	1250mm	
Mist cooling system	Number of nozzles	3PCS
	compressed air pressure	0.5Mpa
Main host dimension(LxWxH)	About 5600×1600×3400mm	
Main host weight	About 20000KGS	



► CNC Beam Plasma Cutting Machine



► Machine Features

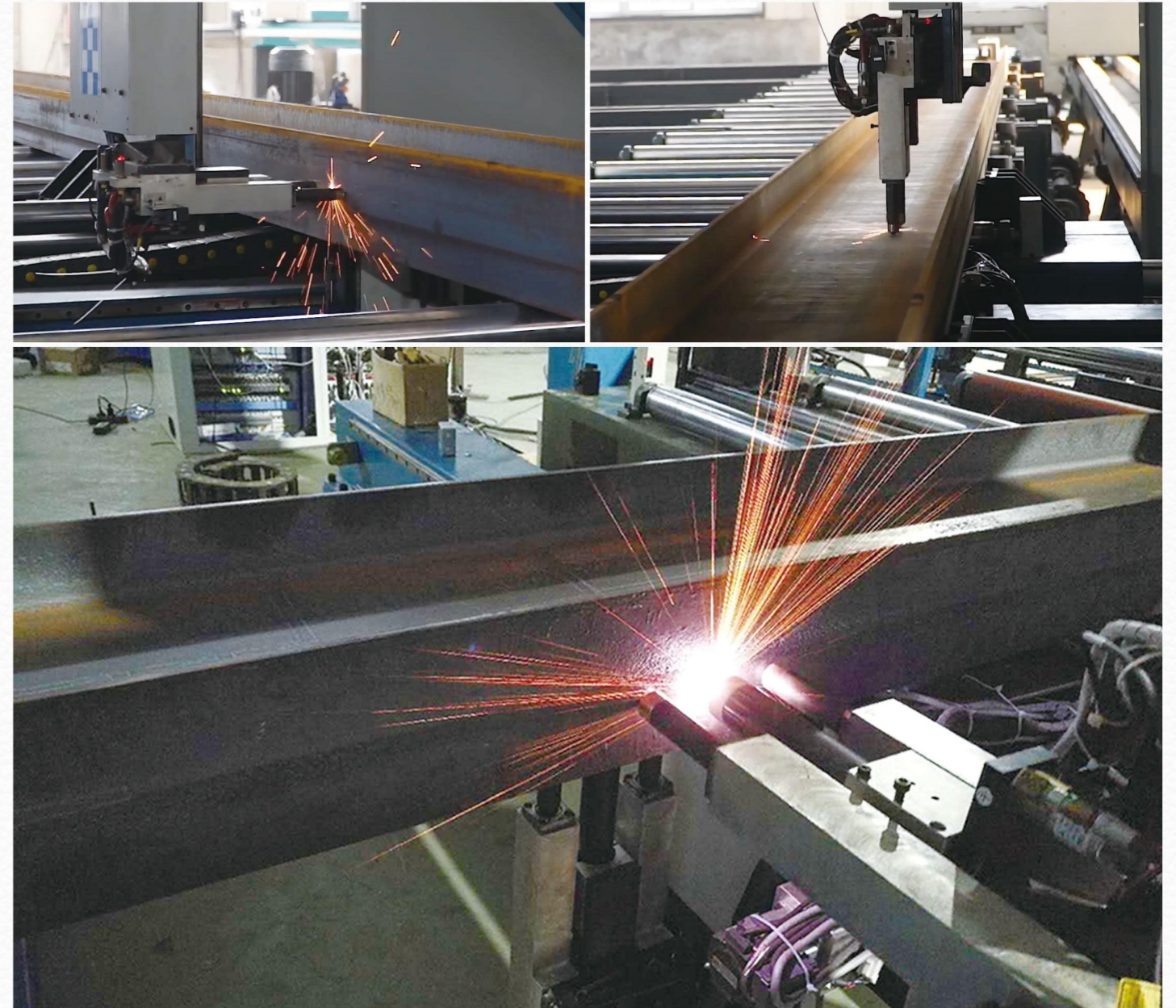
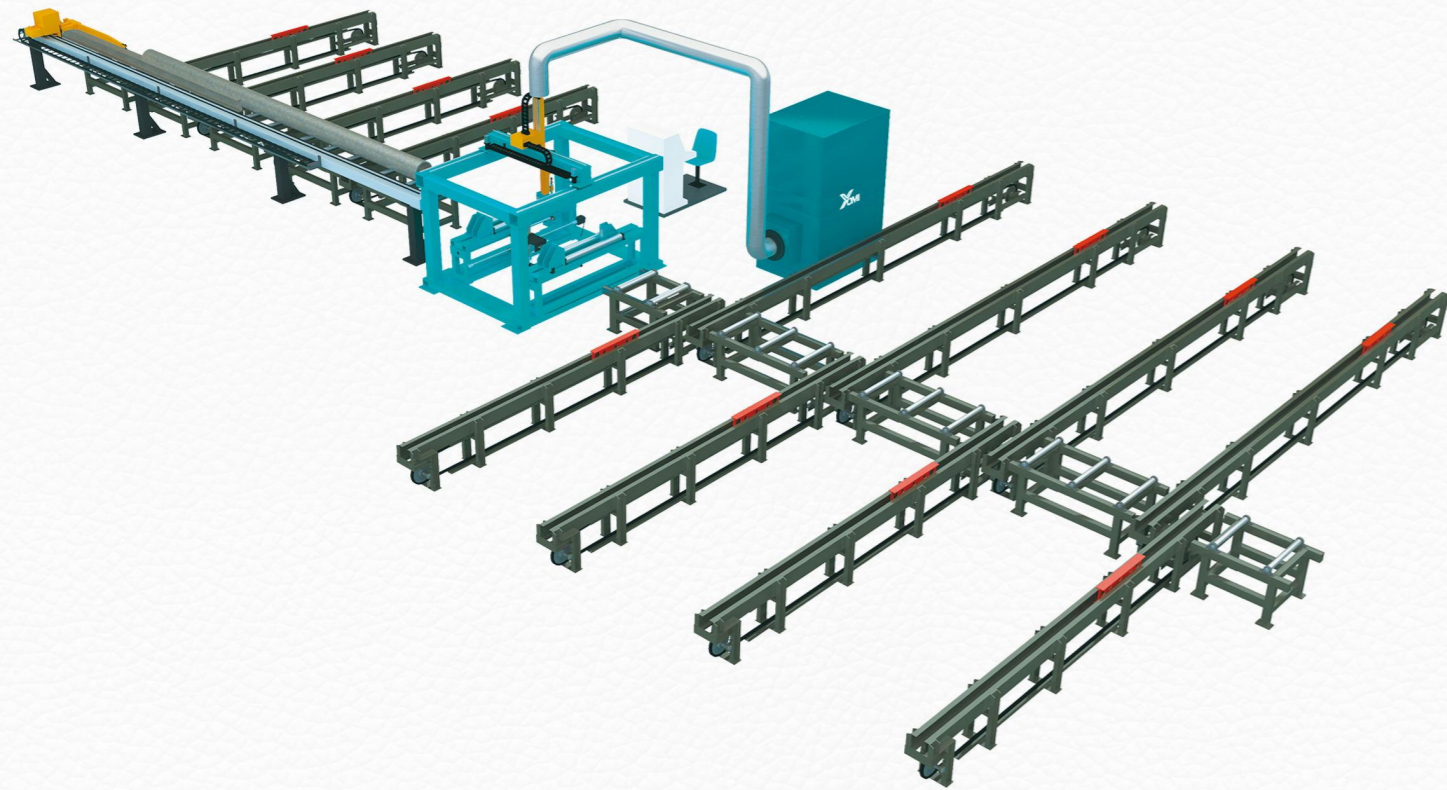
- Support TEKLA steel structure deepening software 3D modeling data file cutting.
- Support AUTOCAD 3D modeling file programming compilation . Track path automatic optimization processing.
- TEKLA software exports NC files and batch generate G code.
- 3D component preview.
- Component nesting optimization.
- Support all kinds of overlapping forms and bevel cutting.
- Laser sensor detection to solve position deviation.
- Torch anti-collision function.
- Solve the problem of thickness plate perforation, with dynamic pierce function, protect the cutting nozzle and improve the service life of consumable parts.
- With high- definition hole cutting function.
- Intelligent marking.
- Support Hypertherm XPR300 interface 422 communication protocol, automatically switch cutting process parameters.

Technical Parameters

Model	YM-XH-600
	YM-XH-1000
	YM-XH-1250
	YM-XH-1500
H beam/l beam/channel steel/angle steel	100-600mm
	100-1000mm
	200-1250mm
	600-1500mm
Cutting method	Plasma/Flame
Plasma power source	Hypertherm XPR300 or optional
Plasma cutting thickness	It is depended by plasma power source
Oxyfuel cutting thickness	Vertical cutting thickness 6-32mm
Effective cutting length	12000mm
Cutting precision in length	±1.5mm
Cutting shape	According to confirmed drawing(offered when signing technical contract)
Robot axis	X Axis:cutting torch moves left and right
	Y1 Axis&Y2 Axis:True bilateral synchronization axis:cutting torch moves forward and back
	A Axis:cutting torch rotation
	B Axis: cutting torch yawing
	C Axis:workpiece horizontal feeding
	Z Axis:cutting torch moves up and down
Cutting speed	10~2000mm/min
Moving speed	10~6000 mm/min
Maximum profile weight	5000Kg or customized
Beveling cutting	±45 degree
Profile cutting form	Fixed length straight cut, fixed length oblique cut and end rat hole cut function
Cutting accuracy execution standard	ISO9013-2002\ISO8206-1991\ JB/T10045.4-1999JB



► H Beam CNC Marking Line



► Machine Features

- Combining multiple axis linkage control system with our patented C type manipulator and intelligent logistics transportation, this machine can realize full position marking of profile auxiliary line, the reinforcing plate, welding line and parts number so on. It can replace complicated manual marking, avoid repeating work caused by setting out errors, and ensures the progress of whole project.
- Compatible with Steel Structure software Tekla. The processing information can be exported by one key and generate standard G code.

► Welded H Beam Shot Blasting Machine



Technical Parameters

workpiece size	Section (width x height)	800×800mm	600×1200mm	800×1600mm	1000×1800mm
	Length	3000-12000mm	3000-12000mm	3000-12000mm	3000-12000mm
Quality Standard	Surface cleanliness	A-B Sa2-Sa2.5	A-B Sa2-Sa25	A-B Sa2-Sa25	A-B Sa2-Sa25
	Surface roughness	15-50um	15-50um	15-50	15-50un
Shot blaster	Quantity	4	6	8	8
	Shot Blast	4×200kg/min	6×200kg/min	8×200kg/min	8×200 kg/min
Power		4×11kW	6×11kW	8×11kW	8×11kW
Roller allowable load(ka/m)		500	500	1000	1000
Roller conveying speed		0.4-4m/min	0.4-4m/min	0.4-4m/min	0.4-4m/min
Dust removal air volume		12000m3h	15000m3/h	18000m3/h	18000m3h
Circulation of pellets		50T/h	70T/h	120Th	120Th
Overall dimensions length x width and height		22000×3640×4800mm	22000×3640×5300mm	24000×4105×6300mm	28000×4555×6500mm
Pit depth		2000mm	2000mm	2200mm	2350mm
Total power		≈70kw	≈100kW	≈125kW	≈130kW

► Machine Features

The pass through type Shot blasting and shot blaster machine can eliminate Oxide, clean and pre-treat of all kinds of steel materials, such as steel plate, steel structure, steel crane, profile, steel pipe and cast steel parts with non-stop working way.

The pre-heated profile is sent to Shot blasting and shot blaster room through rollers.

Several shot blasters in different coordinate orientations produce intensively strike and rub to eliminate the oxide scale, rust spots and dirt from the surface quickly. The profile surface get cleaning and strengthened.

During the shot blasting process, the dropped dust and dust mixture is collected at the lower part of the hoist via the chamber funnel , then lifted to separator for separating.

The bullets will be sent to each Shot blasting and shot blaster for reuse.

Dust will be sent to dust removal system and discharged after cleaning. The Granular dust will be collected.



► H Beam Spraying&Painting Production Line



Technical Parameters

Chamber entrance size	900X3100mm	
Effective processing range	700X3000mm	
Number of torches for single spray system	4 + 8 sets	
Filtration system capacity	3m/min 12,000	
Exhaust dust emission	mg/min < 2	
Paint average passing speed	Meter/min 0.6--10	
Paint type	Water-based paint, oil-based paint	
Table height	800 mm	
Electrical system	Total power	300 kw
	Voltage	380 v
Air supply system	Air supply power	200 kw
	Working pressure	65-100 mbar
Transmission min. length	3,000 mm	
Transmission max. weight	500 kg/m	
Machine size Spray unit	24.330x6.300x3.700 LXWXHmm	

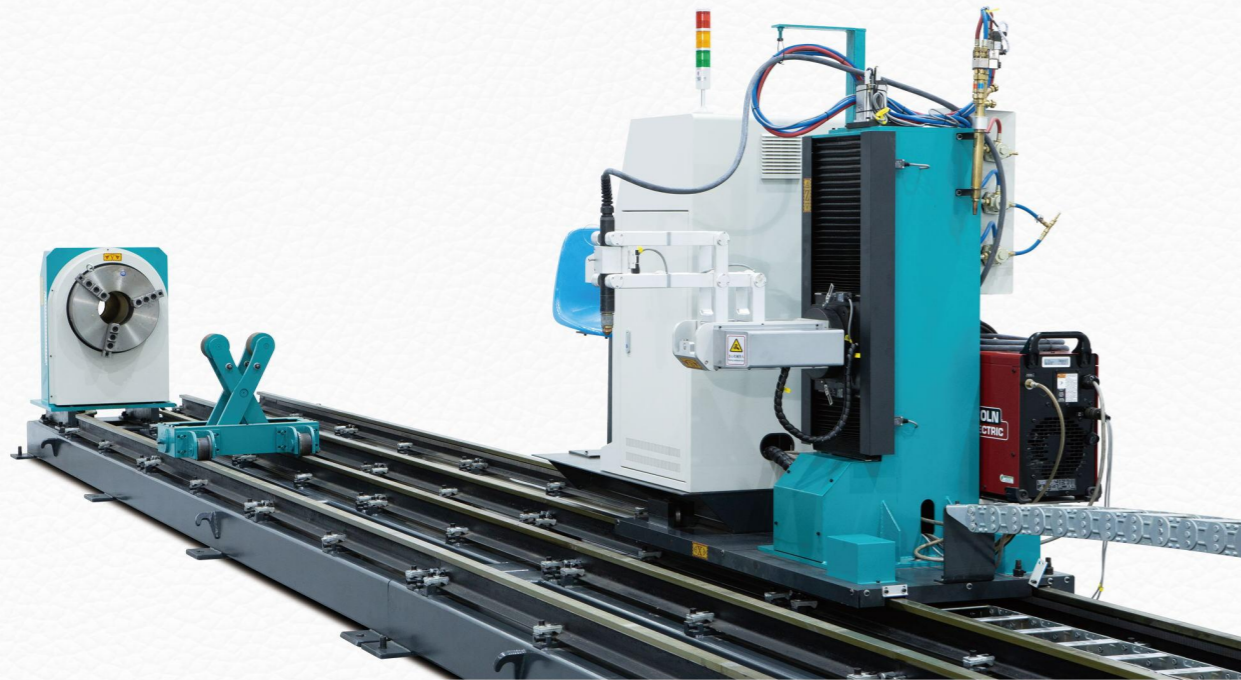
► Machine Features

3D scanners are used for profile's automatic measurement instead of traditional sensor Grating. It can reach real 3D scanning with height measurement and switch reaction.

Automatic painting equipment is installed in firm welded steel structural skeleton. The built-in shell adopts heat insulation and sound-absorbing panel. The inner wall is flat with no corners or concave corners. The inner wall of the device uses a non-stick surface to avoid over-painting and adhesion, which greatly ensures that the inner wall is simple and easy to clean. All faults-if any-are insufficiently painted or incorrectly identified and displayed on the control panel. The built-in modem ensures fast analysis, troubleshooting and quick troubleshooting.



► 5 Axis Pipe CNC Plasma Cutting Machine



Technical Parameters

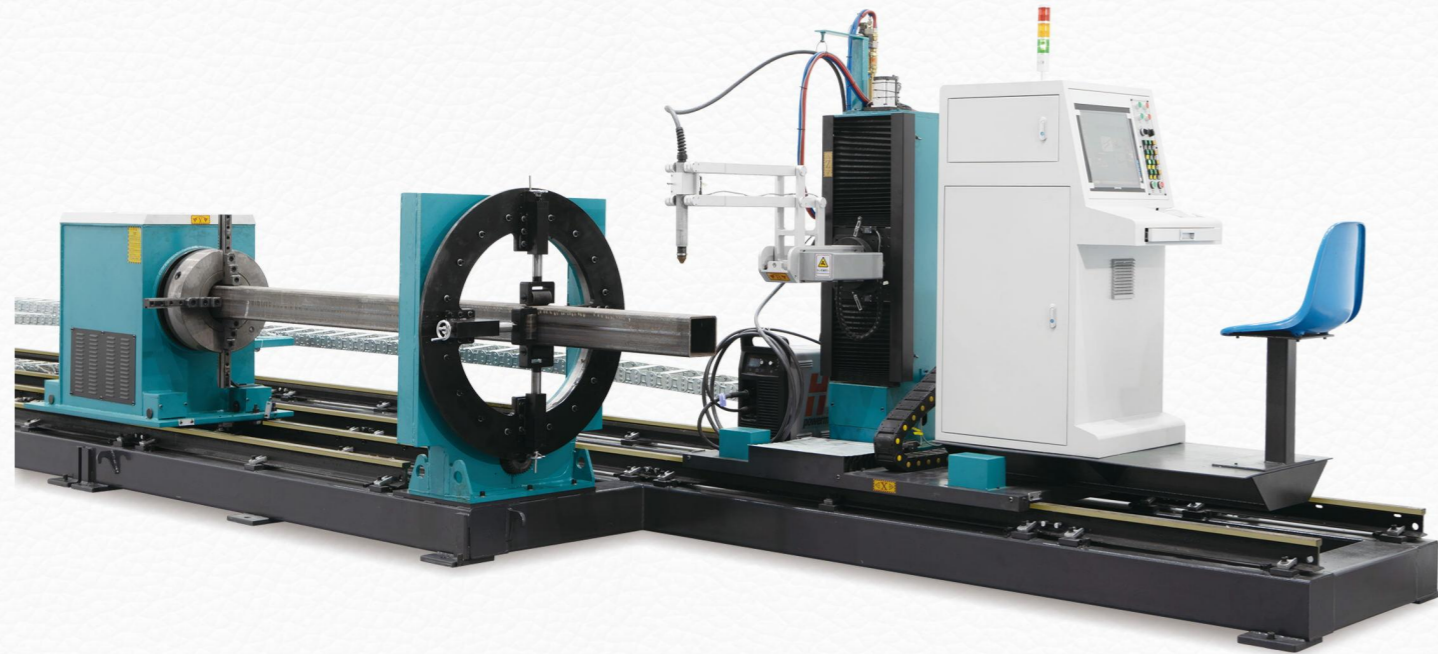
Round pipe diameter	60-630mm 60-800mm
Cutting length	6000-12000mm or customized
Cutting mode	Flame/Plasma
Control system	Advantech IPC with YOMI PIPE
Driving system	Japanese Panasonic servo motors
Plasma cutting thickness	It is depended by plasma power source
Flame cutting thickness	Vertical cutting 6~60mm Bevel cutting 6-40mm
Plasma bevel angle	Plasma cutting $\pm 45^\circ$
Flame bevel angle	Flame hole cutting $\pm 55^\circ$ flame end cutting $\pm 60^\circ$
Required workpiece ellipticity	$\leq 1\%$
Cutting speed	10~2000mm/min
Moving speed	10~6000 mm/min
Cutting length accuracy	$\pm 1.5\text{mm}$
Maximum loading weight	5000Kgs

► Machine Features

- It can cut and bevel round pipe profiles with high degree of automation and cutting quality.
- It has the characteristics of optimization material, 3D simulation operation, node expansion, ultra long pipe partition, and other management functions.
- It Support Tekla, 3D3S, CAD, SolidWorks with high compatibility, directly generate G code.
- It can cut carbon steel, stainless steel, aluminium and ect.
- It is widely used in pressure vessels, pipe processing, shipbuilding, steel structure, marine offshore engineering, oil pipeline, petrochemical and other industries.



► 8 Axis Pipe AND Tube Plasma Cutting Machine



Technical Parameters

Cutting square and rectangular tube	80-400mm 100-500mm
Round pipe diameter	60-630mm 60-800m
Cutting length	6000-12000mm or customized
Cutting mode	Flame/Plasma
Control system	Advantech IPC with YOMI PIPE
Driving system	Japanese Panasonic servo motors
Plasma cutting thickness	It is depended by plasma power source
Flame cutting thickness	Vertical cutting 6~60mm Bevel cutting 6-40mm
Plasma bevel angle	Plasma cutting $\pm 45^\circ$
Flame bevel angle	Flame hole cutting $\pm 55^\circ$ flame end cutting $\pm 60^\circ$
Required workpiece ellipticity	$\leq 1\%$
Cutting speed	10~2000mm/min
Moving speed	10~6000 mm/min
Cutting length accuracy	$\pm 1.5\text{mm}$
Maximum loading weight	5000Kgs

► Machine Features

- It can cut and bevel round pipe ,square tube and rectangular tube profiles with high degree of automation and cutting quality.
- It has the characteristics of optimization material,3D simulation operation,node expansion,ultra long pipe partition, and other management functions.
- It Support Tekla, 3D3S, CAD, SolidWorks with high compatibility, directly generate G code.
- It can cut carbon steel, stainless steel,aluminium and ect.
- It is widely used in pressure vessels, pipe processing,shipbuilding, steel structure, marine offshore engineering, oil pipeline,petrochemical and other industries.



► Roller Type Large Diameter Pipe CNC Plasma Cutting Machine



► Machine Features

- It adopts floating chuck box and roller brackets. It is convenient to load large diameter pipes and does not need to adjust the distance of rollers.
- The centre-height of chuck is floating and adjustable, using method of chuck floating without moving of pipe, to improve cutting quality of large diameter pipe .
- It Support Tekla, 3D3S, CAD, SolidWorks with high compatibility, directly generate G code.
- It can cut carbon steel, stainless steel, aluminium and ect.
- It is widely used in steel structure, marine offshore engineering, oil pipeline, petrochemical and other industries.

Technical Parameters

Cutting diameter	Φ=108-1000mm Φ=108-1200mm Φ=325-1620mm Φ=630-2000mm
Cutting length	6000-12000mm or customized
Cutting Method	Flame/plasma
Control system	Advantech IPC with YOMI PIPE
Driving system	Japanese Panasonic servo motors
Flame cutting thickness	Vertical cut 6-60mm bevel cut 6-40mm
Plasma cutting thickness	It is depended by plasma power source
Flame bevel angle	Flame hole cutting ±55° flame end cutting ±60°
Plasma bevel angle	Plasma cutting ±45°
Required work piece ovality	≤1%
Cutting speed	10~2000mm/min
Moving speed	10~6000 mm/min
Number of axis and range of motion	X axis: torch moves along the length of pipe
	Y axis: 360° free rotation of pipe
	A axis: cutting torch swings ±55° along the radial of pipe
	B axis: cutting torch swings ±60° along the axial of pipe
	Z axis: cutting torch ascending and descending , this axis does not participate in the linkage, the maximum line is 620mm
Cutting length accuracy	±1.5mm
Maximum loading weight	10000Kgs



► Bench Type Large Diameter Pipe CNC Plasma Cutting Machine



Technical Parameters

Cutting diameter	Φ219-1210mm Φ=325-1620mm Φ=630-2000mm
Cutting length	6000-12000mm or customized
Cutting Method	Flame/Plasma
Control system	Advantech IPC with YOMI PIPE
Driving system	Japanese Panasonic servo motors
Flame cutting thickness	Vertical cut 6-60mm bevel cut 6-40mm
Plasma cutting thickness	It is depended by plasma power source
Flame bevel angle	Flame hole cutting $\pm 55^\circ$ flame end cutting $\pm 60^\circ$
Plasma bevel angle	Plasma cutting $\pm 45^\circ$
Required work piece ovality	$\leq 1\%$
Cutting speed	10~2000mm/min
Moving speed	10~6000 mm/min
Torch axial swing angle	$\alpha = \pm 60^\circ$
Torch radial swing angle	$\beta = \pm 55^\circ$
Cutting length accuracy	$\pm 1.5\text{mm}$
Chuck operation mode	Manual+ electric
Maximum loading weight	10000Kgs

► Machine Features

- It adopts floating chuck box and roller brackets. It is convenient to load large diameter pipes and does not need to adjust the distance of rollers.
- The centre-height of chuck is floating and adjustable, using method of chuck floating without moving of pipe, to improve cutting quality of large diameter pipe .
- It Support Tekla, 3D3S, CAD, SolidWorks with high compatibility, directly generate G code.
- It can cut carbon steel, stainless steel, aluminium and ect.
- It is widely used in marine offshore engineering, oil pipeline, petrochemical and other industries.



► CUT - / 100 / 120 / 200 (Yomi)

INVERTER AIR PLASMA CUTTING MACHINE (CNC)



Technical Parameters

Item	Parameter		
	CUT-100	CUT-120	CUT-200
Model	CUT-100	CUT-120	CUT-200
Voltage range(V)	3-380/400±15%		
Frequency(Hz)	50/60		
Rated input power (KVA)	16.6	21.3	46.6
Rated input current (A)	22.7	29	64
No-load voltage(V)	320		
Current adjustment range(A)	20-100	20-120	20-200
Machine efficiency (%)	90		
Power factor	≥0.89		
Rated duty cycle (%)	100		
Max cutting thickness(mm)	10	12	20
Max perforation thickness (mm)	18	20	30
Quality cutting thickness(mm)	<12	<14	<16
Working gas pressure (Mpa)	0.4-0.5		
Protection level	IP23S		
Cooling method	Air cooling		Water cooling
Machine Weight (Kg)	31	77	131
Dimension(mm)	550x298x546	760x550x770	860x630x1050

► Machine Features

- It has an arc voltage signal interface connected with CNC system, and a signal interface for successful arc starting.
- Low-frequency arc starting, small arc remains indestructible, which greatly reduces the interference to CNC system. Soft-switching IGBT full-bridge inverter technology, double closed-loop current control (UC3846).
- Passive power factor correction technology, high power factor, input voltage range is 320v-450v.
- Constant current output, overcoming the voltage drop and unstable, partial arc phenomenon caused by different plasma arc length.
- High inductance reactance, high arc voltage design, concentrated energy, narrow slit.
- Continuously adjustable from minimum cutting 20A to maximum cutting current.
- Adopt non-contact high-frequency arc starting method, with added arc function, excellent instant arc starting.
- Built-in protection circuits for overheating, over-current, and air under-pressure to extend the service life of nozzle.
- With 2T/4T selection function, convenient for long welding operation, full digital current display.
- Above 160A are equipped with water cooling cutting torch, which greatly extend the life of accessories.

► LGK-120/160/200/300/400 [Huayuan] INVERTER AIR PLASMA CUTTING MACHINE (CNC)



► Machine Features

- Soft switch technology with stable cutting current.
- High duty cycle for heavy industry use.
- Cutting current up-slope technology to reduce loss of wearing parts
- Small volume and light weight which is easy to install on the table of CNC cutting machine.
- Use compressed air as protection to save cost.
- Accurate cutting current preset and stepless adjust
- Gas check function for easy adjust the air pressure
- Suitable for handhold and automate cut

Technical Parameters

Item	Parameter				
Model	LGK-120	LGK-160	LGK-200	LGK-300	LGK-400
Voltage range(V)	3-380/400±15%				
Frequency(Hz)	50/60				
Rated input power(KVA)	21.3	32.5	46.5	66	94
Rated input current(A)	29	46	64	121	159
No-load voltage(V)	320			380	
Current adjustment range(A)	20-120	20-160	20-200	60-300	60-400
Machine efficiency (%)	90				
Power factor	≥0.89				
Rated duty cycle (%)	100				
Max cutting thickness(mm)	14	18	25	30	40
Max perforation thickness (mm)	20	25	30	40	50
Quality cutting thickness(mm)	<14	<18	<25	<35	<50
Working gas pressure (Mpa)	0.45-0.6				
Protection level	IP23S				
Machine Weight (Kg)	46	65	82	124	144
Cooling method	Air cooling			Water cooling	
Dimension(mm)	675x 320x605	800x 380x660	800x 380x810	890x 430x900	930x 430x900

► Powermax 45A / 65A / 85A / 105A / 125A (Hypertherm) INVERTER AIR PLASMA CUTTING MACHINE (CNC)



Technical Parameters

Model	Powermax 45A	Powermax 65A	Powermax 85A	Powermax 105A	Powermax 125A
Out put current	10-45A	20-65A	25-85A	30-105A	30-125A
Rated output voltage	145DVC	139DVC	143 VDC	160 VDC	175VDC
Open circuit voltage(OCV)	275VDC (CSA/CE/CCC model is 200~240V, CSA model is 480V) 265VCE/CCC (400VCE/CCC)	CSA: 295VDC CE:270VDC	CSA: 305VDC CE:270 VDC	200~600VCSA: 300VDC380VCCC 230~400VCE:288VDC 400VCE:292 VD	400/600CSA: 320VDC 380VCCC:290VDC 400VCE:305VDC
Cooling mthod	Air cooling				
Cutting thickness(mm)	1-8	1-8	1-14	1-20	1-23
Equipped torch weight	Equipped 6.1m torch weight CSA 14KG CE 15KG	Equipped 7.6m torch weight CSA 29KG CE 26KG	Equipped 7.6m torch weight CSA 32KG CE 28KG	Equipped 7.6m torch weight 200~600 V CSA : 45 kg 380 V CCC/400 V CE : 41 KG 0~400 V CE: 45 KG	Equipped 7.6m torch weight 480V:47.9KG 600V:47.5KG 380V:45.2KG 400V:48.9KG
Gas supply	Air (clean, dry and oil free), Nitrogen, F5Gouging:Air (clean, dry and oil free), Nitrogen, F5Marking: Air (clean, dry and oil free), Xenon				
Recommended cut air inlet flow/pressure	188l/min(5.9bar)	Cutting: 189l/min(5.9bar) Gouging: 212/min at 4.8 bar	Cutting: 189l/min(5.9bar) Gouging: 212/min at 4.8 bar	Cutting: 212l/min(5.9bar) Gouging: 227/min at 4.8 bar	Cutting: 212l/min(5.9bar) Gouging: 212/min at 4.1 bar
Dimensions (with handle)mm	442 x173x357	500 x234x455	500x234x455	592x274x508	592x274x508
Input power cable length	3m				
Power Type	Inverter-IGBTInverter-IGBT				

► Machine Features

- Most advanced, robust and reliable plasma systems in its class
- State-of-the-art consumable and cartridge technology delivers faster speeds and better cut quality to help you get more done in less time
- Automatic setup, simple controls and a stable plasma arc make Powermax systems easy to operate, even for beginners
- Long consumable and cartridge life plus fast cut speeds lower your cutting and gouging costs

► 10Kg Welding Positioner



Technical Parameters

MODEL	YM-10
Horizontal Capacity Loading	10Kg
Vertical Capacity Loading	5Kg
Rotating Speed	2-16r/min
Tilt Range	0~90°
Table Dimension	180mm
Table Height	232mm
Motor Power	20W
Weight	10kg
Power Input	1PH 220V 50~60Hz
Adapter chuck	KC-65/KC-80

► Machine Features

10kg light duty welding positioner is designed for rotation of lighter work pieces.

Welding positioner is used for round, circular welding, cutting, polishing and assembly.

► 30Kg / 50Kg Welding Positioner



Technical Parameters

MODEL	YM-10
Horizontal Capacity Loading	10Kg
Vertical Capacity Loading	5Kg
Rotating Speed	2-16r/min
Tilt Range	0~90°
Table Dimension	180mm
Table Height	232mm
Motor Power	20W
Weight	10kg
Power Input	1PH 220V 50~60Hz
Adapter chuck	KC-65/KC-80

► Machine Features

30kg/50kg welding positioner is used for circular welding, cutting, polishing and assembly.

► YM - 100 / 200 / 300 Welding Positioner



Technical Parameters

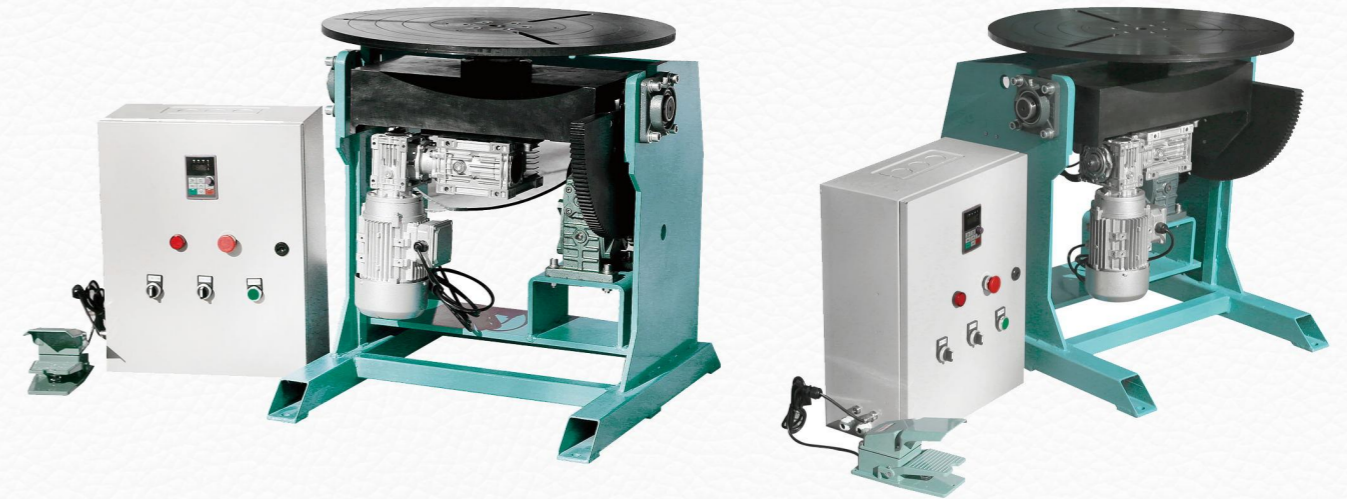
MODEL	YM-100	YM-200	YM-300
Horizontal Capacity Loading	100kg	200kg	300kg
Vertical Capacity Loading	50kg	100kg	150kg
Rotating Speed	0.5-5r/min	0.5-5r/min	0.2-2.5r/min
Tilt Range	0~90°/manual rotatoring		
Table Dimension	400mm	400mm	500mm
Table Height	500mm	500mm	600mm
Center through hole	45mm	45mm	90mm
Motor Power	120w	140w	200w
Weight	75kg	80kg	110kg
Power Input	1PH 220V 50~60Hz	1PH 220V 50~60Hz	1PH 220V 50~60Hz
Adapter chuck	KD-200/300/400	KD-200/300/400	KD-300/400/500

► Machine Features

Welding positioner machine is a type of automatic positioner. Used for circular welding, cutting, polishing and assembly.

Mainly through the tilting and turning of the worktable, and fixing the chuck or specific tooling on the worktable for clamping the workpiece, so that the workpiece is accurately positioned and in the best welding position to ensure the welding quality.

► YM - 600 Welding Positioner



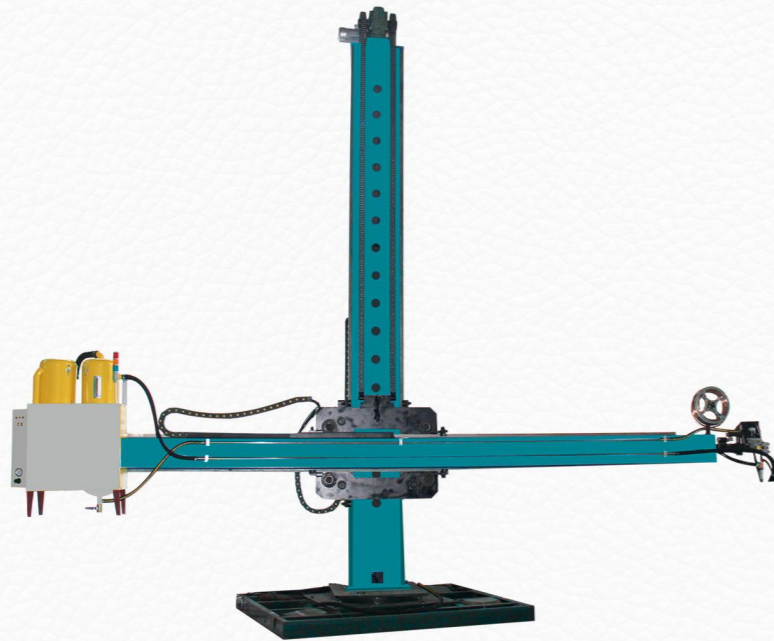
Technical Parameters

MODEL	YM-600
Horizontal Capacity Loading	600Kg
Vertical Capacity Loading	300Kg
Rotating Speed	0.1-1r/min
Tilt Range	0~90°/manual rotatoring
Turnover Speed	0.4rpm
Table Dimension	650mm
Rotation Motor Power	0.37kw
Turnover Motor Power	0.55kw
Power Input	3PH 380-460V 50~60Hz
Adapter chuck	KD400/500/600

► Machine Features

Welding positioner is mainly through the tilting and turning of the worktable, the workpiece is placed at a suitable processing angle to meet the welding requirements of valves and flanges, meet processing needs.

► Automatic Welding Manipulator Column And Boom



► Machine Features

Welding manipulator is divided into standard , heavy duty types, suitable for inside and outside of the circular seam and longitudinal seam welding . According to customer requirements, it can be installed with electrical extension unit inside of boom, chair carrier and safeguard ladders. Manipulator control system uses digital or analogous control with the characteristics of easy operation and precise control. It can be jointly with welding rotator or positioner. It is widely used in wind turbine, pressure vessel, petrochemical, repair welding and many other industries.

Technical Parameters

specifications	2	3	4	5	6	7	8
Vertical movement distance of beam	2	3	4	5	6	7	8
Horizontal movement distance of beam	2-4	2-6	3-7	3-8	3-8	3-8	4-8
Rotating angle of column	±180° (manual or auto)						
Vertical speed of the beam	850			1150			
Horizontal speed of the beam	140-1400						
Rotating speed of column	0.2						
Total equally distributed load of the beam	100	200	300	400	500	500	500
Center distance of the track (optional)	P43/2000						

► Adjustable Welding Rotator



► Machine Features

- Adjustable welding rotator adopts double deceleration box, double motor drive, large driving force. High quality variable frequency governor and reliable performance.
- The center distance adjustment of adjustable roller rack: generally, 2 tons or less can be adjusted by screw rod; more than 5 tons, adjusted by bolt.
- The design speed of the roller frame is variable frequency and stepless speed regulation.
- Various deformation modes: row walking, screw adjusting, lifting, tilting, etc.
- Load capacity: 2T to 200T. Can be customized.

Technical Parameters

Model	Load capacity(T)	Roller diameter(mm)	Roller width(mm)	Work piece diameter(mm)
KT-2	2	250	120	200-2000
KT-5	5	300	120	200-2500
KT-10	10	300	170	300-3000
KT-20	20	300	200	300-3500
KT-30	30	300	200	300-4000
KT-40	40	425	220	300-4500
KT-60	60	425	240	600-5000
KT-80	80	425	260	800-5500
KT-100	100	500	280	1000-6000

► Chain Type Beam Rotator Flipping Machine



► Machine Features

When steel structure companies produce heavy or complex components, they often face problems such as low efficiency of component turnover, high safety risks, and damage to component surfaces. Application: used for turning over and transporting complex heavy steel

Turning Machine And Traditional Turning Comparison

Content	Turnover machine turning	Turnover machine turning	Compare with comparable
Turn over method	Working with a turning machine	Use the turning machine to work	Traditional turning over easy to lose lifting
Production efficiency	High	High	Locking tool
Impact on quality	The roll over process is stable, special protective tooling is used, and the component surface is not damaged	The roll over process is stable and adopts special	The turnover machine has no damage to the components and is not easy to bump
Operability	Remote control operation, simple and easy to use (single person only)	Protect the tooling and ensure no damage to the component surface	The upender is easier to operate
Safety	Low security risks	Control operation, simple and easy to use (only for one person) with small safety risk	The operator is far away from the operation site
Price	Low cost	Low cost	Stable operation and high safety factor of turnover machine

Technical Parameters

Item	Parameter		Remark
Model	YM-LFZ-10	YM-LFZ-20	
Motor Power	2.2 KW*2	4 KW *2	
Insurance factor	1.2times	1.2times	
Sling length	8m*2/Pieces	8m*2/Pieces	Can be customized
Remote control battery	7 # *2/Piece	7 # *2/Piece	
Flip angle	360°	360°	
Machine size	2730*330*1300mm	2730*330*1300mm	
Weight	1000KGs	1000KGs	

