

Our products



- ★ Welding rotators
- ★ Welding manipulator
- ★ Welding positioner
- ★ Special automatic welding equipment
- ★ Welding robot workstation
- ★ Edge milling/end face milling equipment
- ★ CNC flame/plasma cutting machine
- ★ H-beam welding line

Welding rotators self-align rotators



Model		GZ5	GZ10	GZ20	GZ40	GZ60	GZ80	GZ100
Max rotational drive capacity(kg)		5000	10000	20000	40000	60000	80000	100000
Applied job dia.(mm)	90° pincers frame	φ 250~2300	φ 320~2800	φ 500~3500	φ 600~4200	φ 750~4800	φ 850~5000	φ 1000~5500
	120° pincers frame	φ 250~3000	φ 320~3600	φ 500~4300	φ 600~5200	/	/	/
Wheel dia.& width(mm)	Rubber	φ 250×100	φ 300×120	φ 350×120	φ 400×120	φ 450×120	φ 500×120	φ 500×120
	Metal	2× φ 244×20	2× φ 294×25	2× φ 344×30	2× φ 394×40	2× φ 444×50	2× φ 294×60	2× φ 294×80
Linear speed(m/h)		6~60	6~60	6~60	6~60	6~60	6~60	6~60
Motor power(kw)		0.75	1.1	1.5	3	4	4	5.5
Speed adjust		Stepless electro-magnetic or inverter						



Welding rotators **self-align rotators**



•40T



•60T



•200T





Welding rotators

Conventional rotators



Model	Max.rotational drive capacity (kg)	Applied job dia. (mm)	Wheel dia. & width (mm)		Wheel linear speed (m/h)	Motor power (kw)	Distance adjust	Speed adjust
			Rubber	Metal				
GK5	5000	φ 250~2300	φ 250×100	2× φ 244×20	6~60	2×0.37	By manually screw or by grading bolt	Inverter
GK10	10000	φ 300~2800	φ 300×120	2× φ 294×35	6~60	2×0.55		
GK20	20000	φ 500~3500	φ 350×120	2× φ 344×35	6~60	2×1.1		
GK40	40000	φ 600~4200	φ 400×120	2× φ 394×45	6~60	2×1.5		
GK60	60000	φ 750~4800	φ 450×120	2× φ 444×60	6~60	2×2.2	By grading bolt	
GK80	80000	φ 850~5000	φ 500×120	2× φ 494×70	6~60	2×3		
GK100	100000	φ 1000~5500	φ 500×120	2× φ 494×70	6~60	2×4		
GK160	160000	φ 1100~6000		φ 650×250	6~60	2×4		
GK250	250000	φ 1200~7000		φ 700×290	6~60	2×5.5		
GK400	400000	φ 1300~7500		φ 800×320	6~60	2×7.5		
GK650	650000	φ 1400~8500		φ 900×400	6~60	2×11		

Welding rotators



We can provide different kinds of special welding rotators according to customer's requirement.



Design for eccentric workpieces



200 tons anti-drift welding rotators



200 tons conventional rotators



200 tons anti-drift and fit-up rotators



150 tons conventional rotators



Welding rotators

We can provide different kinds of special welding rotators according to customer's requirement.



Export to Britain



Export to Australia with wheels and brakes

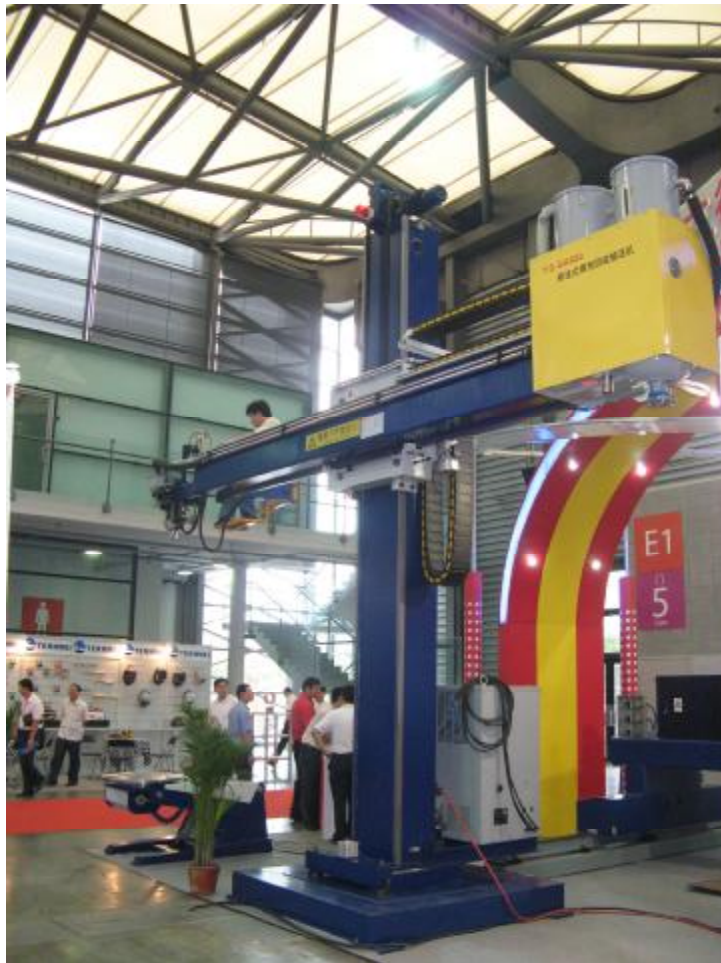


Welding rotators export to Korea



Export to Singapore

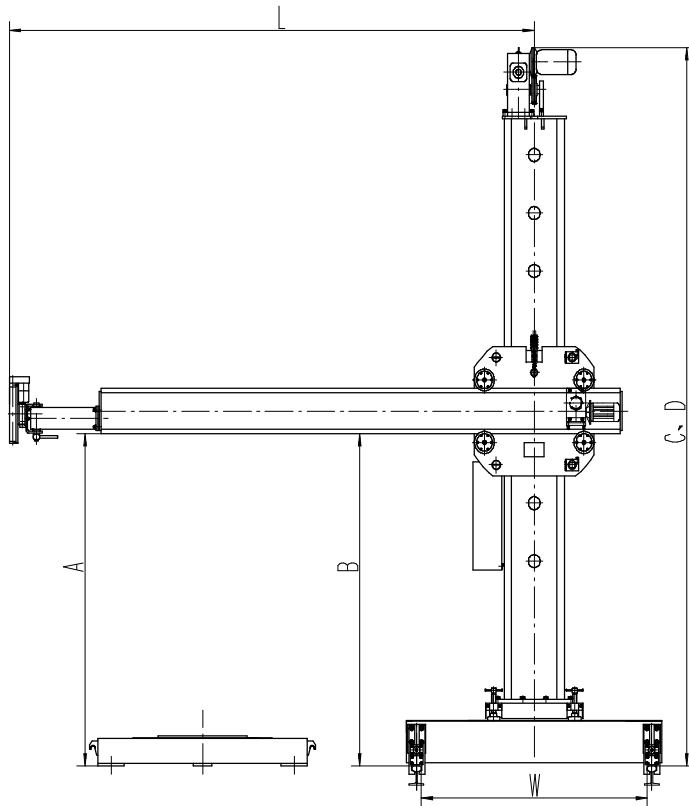
Welding manipulator



Welding manipulator can be assorted with welding rotators, positioner, ect. It can weld the inside & outside, circle & longitudinal seams on large diameter pipes. The different welding system is assorted according to the user's requirements, tracing system, monitoring system, flux feeding and recovery system or swing unit are option.

Welding manipulator

Light duty

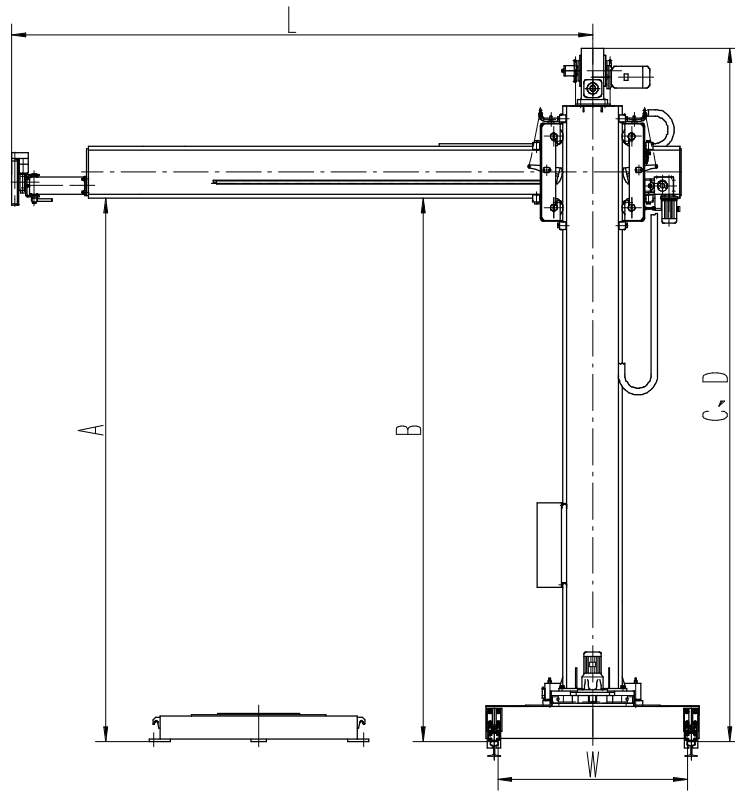


Model	HC1212	HC2020	HC3030	HC4040	HC5050	
Effective extension stroke (mm)	1200	2000	3000	4000	5000	
Boom extension speed (mm/min)	120-1200					
Effective vertical stroke (mm)	1200	2000	3000	4000	5000	
Boom elevation speed (mm/min)	400	400	1000	1000	1000	
Column rotation degree	±180°					
Column rotate speed (rpm)	manual	manual	0.05-0.5	0.05-0.5	0.05-0.5	
Trolley travel speed (mm/min)	manual	manual	200-2000	200-2000	200-2000	
Cross micro-adjusting distance (mm)	100*100 manual	100*100 manual	250*250 powered	250*250 powered	250*250 powered	
Max extension(mm) L	1780	2715	4210	5210	6210	
Min boom height(mm)	Fixed A	475	448	670	710	
	Movable B	515	468	780	800	
Total height(mm)	Fixed C	2270	3120	4830	5830	6870
	Movable D	2310	3140	4940	5940	6960



Welding manipulator

Heavy duty



Model	HC4040A	HC5050A	HC6060A	HC6060B	HC7070B	
Effective extension stroke (mm)	4000	5000	6000	6000	7000	
Boom extension speed (mm/min)	120-1200					
Effective vertical stroke (mm)	4000	5000	6000	6000	7000	
Boom elevation speed (mm/min)	1000					
Column rotation degree	$\pm 180^\circ$					
Column rotate speed (rpm)	0.05-0.5					
Trolley travel speed (mm/min)	200-2000					
Cross micro-adjusting distance (mm)	250*250 powered					
Max extension(mm) L	5300	6300	7300	7400	8400	
Min boom height(mm)	Fixed A	705	705	765	848	815
	Movable B	805	805	865	948	915
Total height(mm)	Fixed C	6070	7070	8130	8400	9230
	Movable D	6170	7170	8230	8500	9350

Welding manipulator



We can provide different kinds of special welding manipulator according to customer's requirement.



Welding manipulator



Hc series manipulator can automatically weld inside & outside, circle & longitudinal seams on the boilers, pressure vessels and pipings. the user can choose movable or stationary with rotation according to actual usages.



Welding manipulator

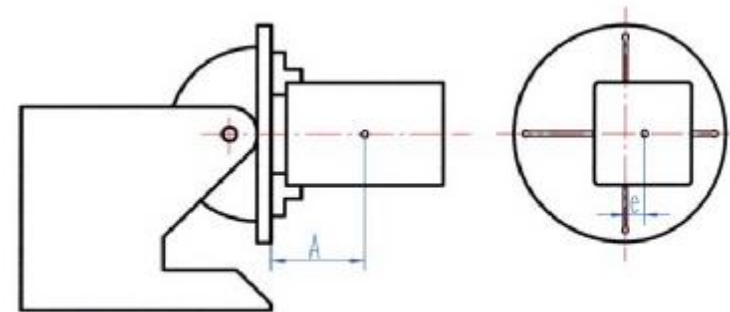


Performance:

- ★ There are two Self-lock types of column, one is manual, other is gasclamp. Customers can choose them as per their requirement.
- ★ Corner function of welding head can fulfil the requirement of welding longitudinal & circle seam at the seam time.
- ★ Remain interface, that makes welding manipulator to finish the job together with other machines such as welding rotators.

Welding positioner

Tilt welding positioner

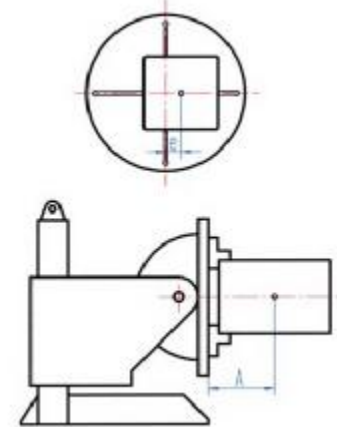


Model	HB10	HB20	HB30	HB40	HB50	HB60	HB80	HB100
Load Cap.(kg)	1000	2000	3000	4000	5000	6000	8000	10000
Eccentricity(mm) (e)	150	150	200	200	200	200	200	200
Centre of gravity(mm) (A)	300	300	300	300	300	300	400	400
Table dia.(mm)	900	1100	1300	1300	1600	1600	1800	2000
Rotation speed(rpm)	0.12-1.2	0.1-1.0	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.02-0.2	0.02-0.2
Tilt speed(rpm)	0.35	0.35	0.35	0.35	0.2	0.2	0.2	0.2
Tilt range(°)	135	135	130	130	130	130	130	130
Overall table height(mm)	780	950	1050	1050	1200	1200	1400	1800



Welding positioner

Height adjustable welding positioner



Model	SHB10	SHB20	SHB30	SHB40	SHB50	SHB60	SHB80	SHB100
Load Cap.(kg)	1000	2000	3000	4000	5000	6000	8000	10000
Eccentricity(mm) (e)	150	150	150	150	150	150	150	150
Centre of gravity(mm) (A)	300	300	300	300	300	300	400	400
Table dia.(mm)	900	1100	1300	1300	1600	1600	1800	2000
Rotation speed(rpm)	0.12-1.2	0.1-1.0	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.02-0.2	0.02-0.2
Tilt speed(rpm)	0.35	0.35	0.35	0.35	0.2	0.2	0.2	0.2
Tilt range(°)	135	135	130	130	130	130	130	130
Overall table height Min(mm)	1000	1120	1200	1200	1450	1450	1450	1450
Overall table height Max(mm)	1500	1720	1800	1800	2150	2150	2250	2250

Welding positioner



Performance:

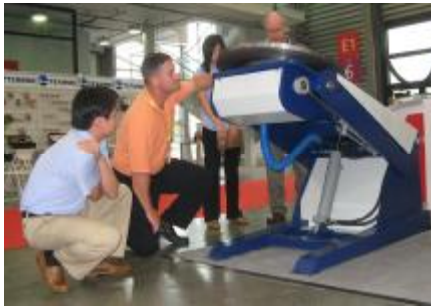
- ★ Eximious durability and safety.
- ★ Workpiece can be braked and steady self-lock on any position.
- ★ Tilt degree can be read easily from ruler.
- ★ Remote control ensures safety.
- ★ Remain interface, that makes positioner to finish the job together with other machines such as manipulator.
- ★ Speed adjustable of rotation adopts stepless inverter, large range and rotation steady.
- ★ Use seating configuration, good stability, remove expediently.
- ★ Adjust the height of table by adjusting the position of bolt, which makes a large range.



Welding positioner

We can provide different kinds of special welding rotators according to customer's requirement.

•Hydraulic height adjustable positioner



•Double rotation positioner



•L-elevating positioner



•Overturn frame





Welding positioner

We can provide different kinds of special welding rotators according to customer's requirement.

•Single rotation positioner



•Hydraulic height adjustable single rotation head box



Welding positioner

We can provide different kinds of special welding rotators according to customer's requirement.



← Height adjustable double rotation positioner



Large twin column positioner →



← Large seating positioner



Work for ends →

Turn table



Performance:

- ★ Large ratio,stepless inverter
- ★ Fast rotation,dynamic brake
- ★ Remote control of speed

Model	TT5	TT10	TT20	TT50	TT100	TT150	TT250	
Load Cap.(kg)	5000	10000	20000	50000	100000	150000	250000	
Rotate speed(rpm)	0.05-1	0.05-1	0.025-0.5	0.025-0.5	0.015-0.3	0.015-0.3	0.01-0.2	
Rotate torque(Nm)	5000	5000	15000	20000	40000	50000	100000	
Speed adjust	inverter							
Motor power(kw)	1.1	1.1	1.5	2.2	3.5	3.5	5	
Work-table(mm)	Height	650	650	740	750	1150	1300	1400
	Dia.	1500	1800	2000	2200	2500	2800	2800

We know welding and cutting.

Assembly device



Special automatic welding equipment



Automatic longitudinal seam welding machine

This machine is used to automatic butt weld the thin shell (more than 0.5mm) cylinder of materials of carbon steel, stainless steel, aluminium ect. The welding can be TIG, MIG/MAG or plasma as per workmanship requirements.

Automatic circle seam welding machine

This machine is mainly used to automatic weld circle seams of pipes and flanges with small diameter by TIG, MIG/MAG, or plasma. The structure is horizontal, composed by machine head, body, tail frame, support frame, welding system, automatic control system. If workmanship requests, it can also be assorted with transverse sway and arc length control system.



Special automatic welding equipment



Automatic welding machine for all kinds of pipes



Automatic plate alignment machine



Flatcar ledger wall bolster welding machine

Seam for length direction



Welding robot workstation



Welding robot workstation



Each kind of welding robot workstation





Edge milling and end face milling equipment plate edge milling machine



Equipped with import powered head

Model	XBJ-6	XBJ-9	XBJ-12
Milling degree adjust	0-45°		
Process steel plate thickness(mm)	6-50		
Max milling depth at one time(mm)	12		
Transverse milling speed(m/min)	0.03-0.3		
Return speed (m/min)	5		
Milling spindle rev.(m/min)	125-800		
Working pressure of hydraulic system(mpa)	≤3.5		
Hydraulic cylinders(pcs)	8	11	15
Height from table to floor(mm)	900		
Feeding motor power(kw)	2.2+1.1		
Milling motor power(kw)	5.5		
Pump motor power(kw)	5.5	5.5	5.5



0-45° milling head



-45° -0 milling head



Edge milling / end face milling equipment **plate edge milling machine**



Edge milling / end face milling equipment

End face milling machine

It is mainly used for facing the end of H beam, Box beam or other rolling beam. It has such features as easy operation, simple structure, rapid adjusting, the machining range is 1500×1500mm. we can provide special specifications according to your requirement.



CNC cutting machine

★ Exact drive

Heavy gear with exact processing and heat treatment ensure transmission in both horizontal and vertical direction minutely and long life.

★ Compact design

All tube and cable are carried though tank chain to ensure cleanness and tidy of pipeline,can reduce tendency when the machine swerves with a high speed.

★ Exact rail

The rail with heavy load and exact processing can ensure the machine works with high recision and stability.

★ High quality structure

The structure can ensure the machine with maximal rigidity,lightest weight and predominant dynamic character.





CNC cutting machine



Large CNC cutting machine

It is large CNC cutting with multifunction, multi-axes and perfect performance. According to different angle and materials you can select different suspend brackets, Lineation device, Straight line cutting torches and plasma cutting head can be matched. Machine has been widely using in industrial sectors such as shipbuilding, pressure vessels, mining machinery.

Medium-size & economical CNC cutting machine

This series of CNC cutting machines are very high precision, highly reliable in performance and quite competitive in price. This series apply to flame and plasma cutting.



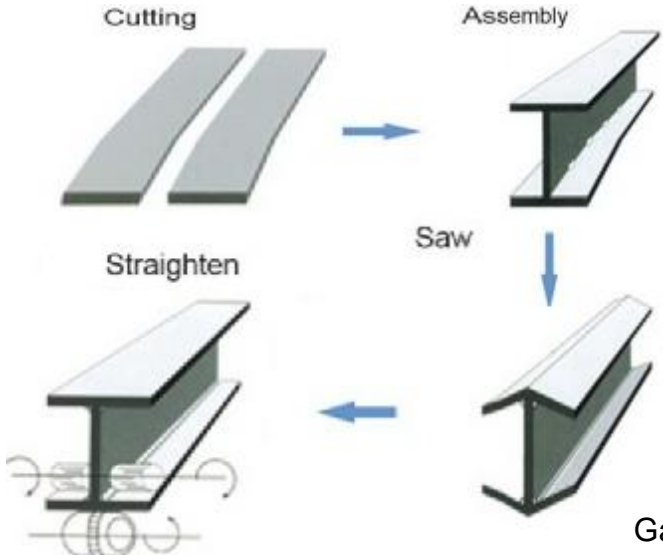


H-beam welding line



Cutting

H-beam flange straightening machine



H-beam assembly machine

Gantry type SAW machine





H-beam welding line

H-beam automatic welding line

Except assembly machine and Straightening machine that should be equipped with traveling crane, other Transpiration of work piece can be realized with tracart, overturning rack, conveyor. It is the right equipments for Heavy-duty H-beam with high automation and high efficiency.



Box beam automatic welding line

