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**Galaksi Metal Mesindo<sup>PT</sup>**  
Complete Range Welding & CNC Cutting Equipment

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20100328



**Galaksi Metal Mesindo<sup>PT</sup>**  
Complete Range Welding & CNC Cutting Equipment

**ZhouXiang<sup>®</sup>**  
CHINA · ZHOUXIANG

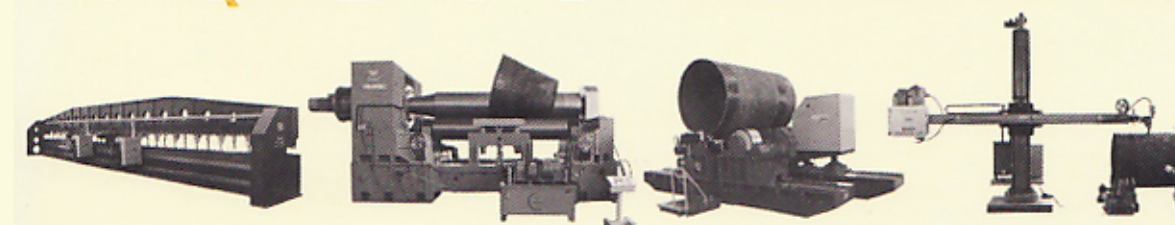
**Wuxi Zhouxiang**  
complete set of welding  
equipment co.,ltd.



asistant welding machine



**W E L D I N G**  
**E Q U I P M E N T**



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untuk kepentingan *technical support* dan *customer* PT Galaksi Metal Mesindo.





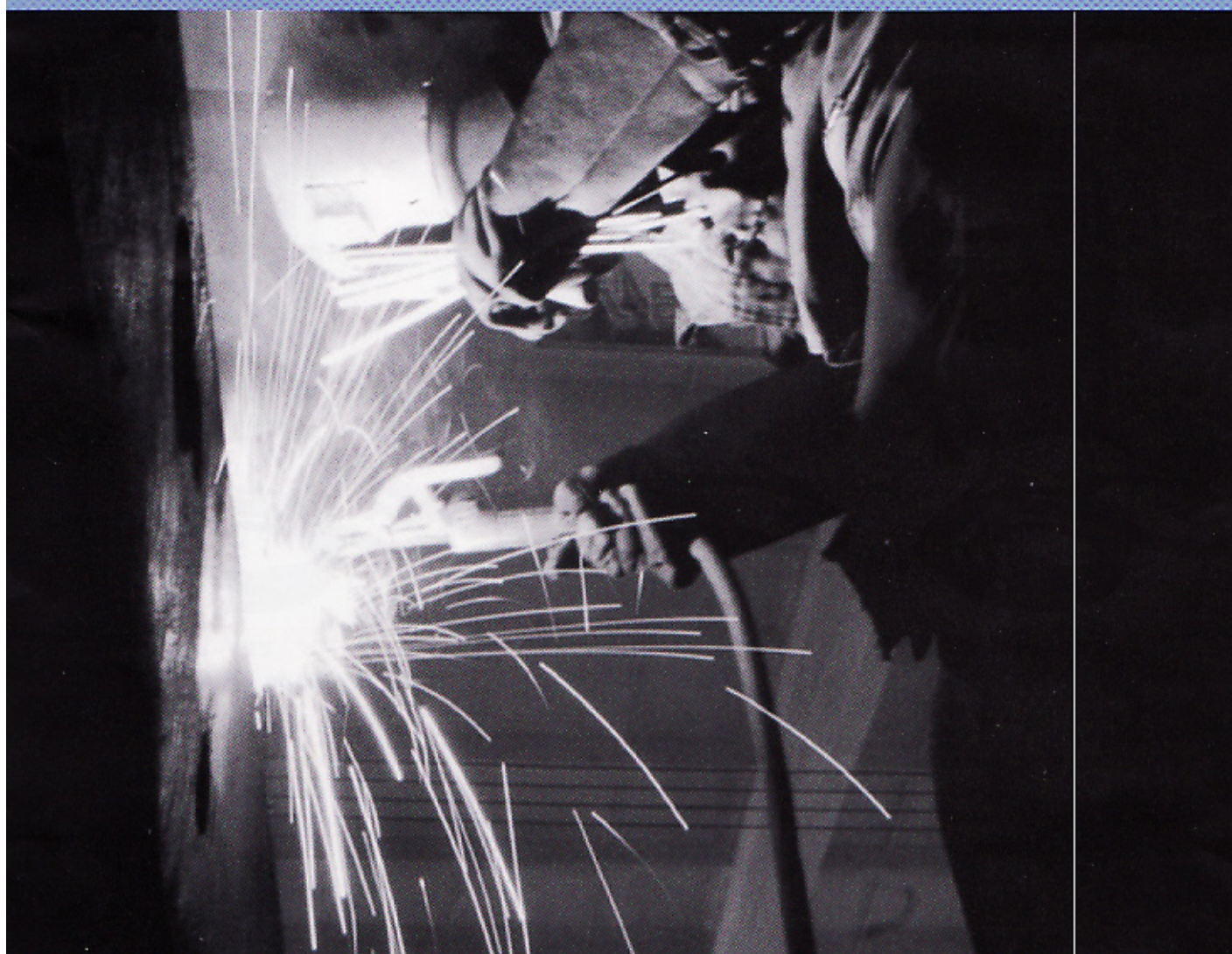
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# Zhouxiang Welder



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ZHOUXIANG PRODUCTS

ZhouXiang

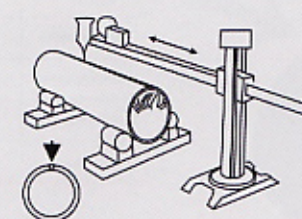


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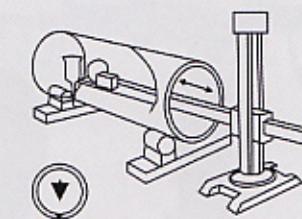
## Assistant Welding Machine



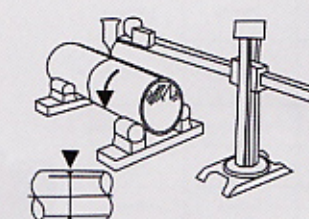
### AUTO-WELDING MANIPULATOR DIFFERENT KINDS OF MATING WELDING SCHEMATIC DRAWING



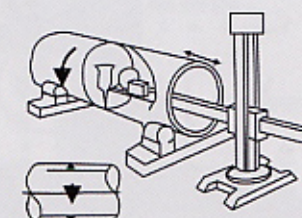
OUTSIDE LONGITUDINAL WELDING



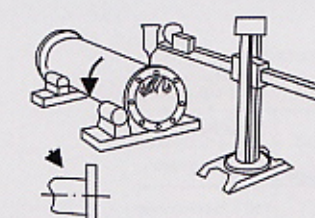
INSIDE LONGITUDINAL WELDING



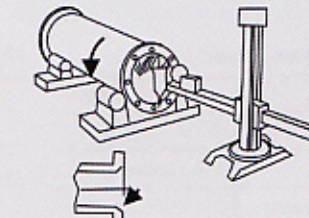
OUTSIDE CIRCUMFERENTIAL WELDING



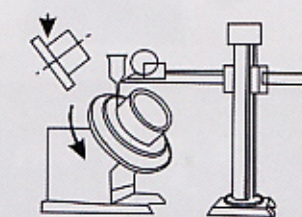
INSIDE CIRCUMFERENTIAL WELDING



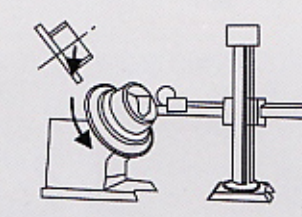
OUTSIDE FLANGE WELDING



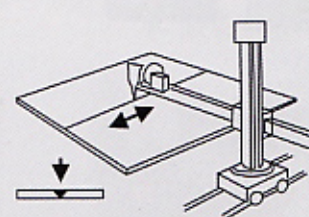
INSIDE FLANGE WELDING



OUTSIDE DOWNWARD FILLET WELDING



INSIDE DOWNWARD FILLET WELDING



BUTT WELDING OF FLAT PLATE



# Assistant Welding Machine

## COMPONENTS OF NC PIPES PREFABRICATE PRODUCTION LINE

### short pipe flange welding center

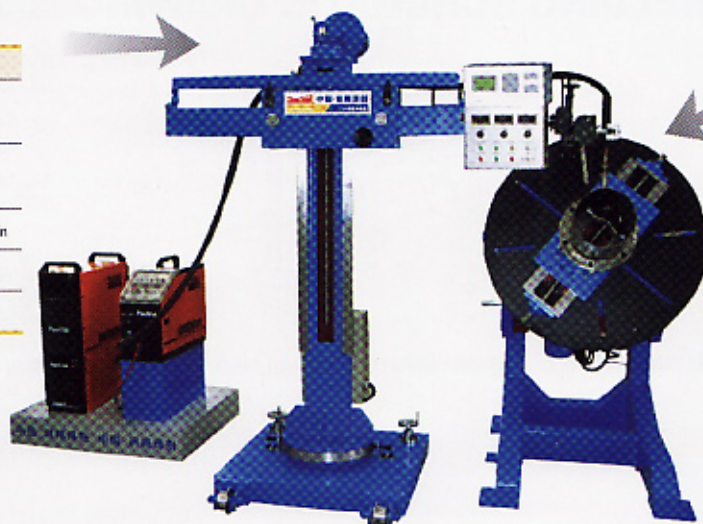
#### TECHNICAL PERFORMANCE

According to production technology, main equipments including raw material feeding frame (prepared by user), raw material auto feeding, roller auto conveyor, lifting and transferring roller, NC double shaft CNC flame/ plasma cutting machine (including cutting elevating slewing roller and auto cutting cart), products auto output roller, products auto blanking roller, products blanking frame, GPK-630 type high speed beveling machine, hydraulic control part and electrical control part.

The pipe auto combination machine including 1T adjustable positioner, cantilever welding machine, elevating support frame and electrical control part for each machine.

#### 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	800mm

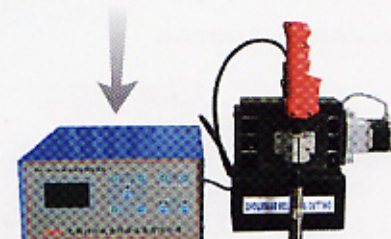


#### adjustable positioner

Model	SHB-10
Load capacity	1000kg
Rotating speed	0.12 ~ 1.2rpm
Overturning speed	0.34rpm
Overturning angle	0 ~ 120°

#### Welding oscillator

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

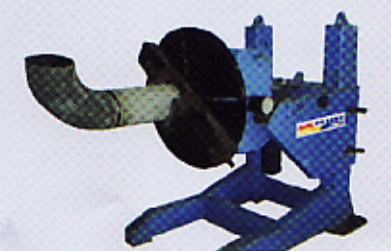
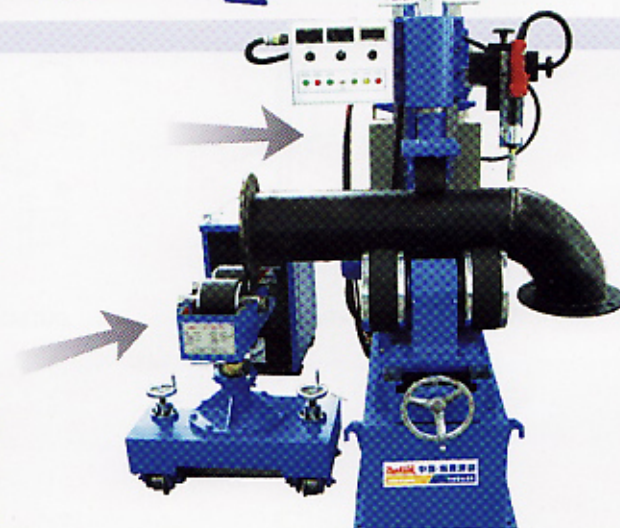


#### Pinch type rotator

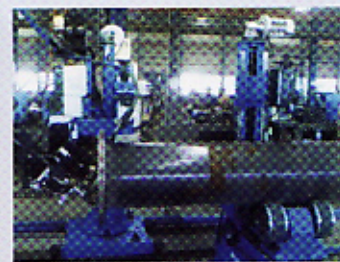
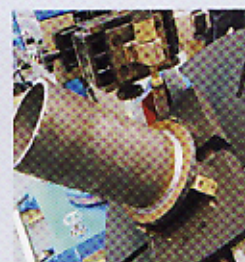
model	PPAW-05
load capacity	5000 kg
suitable workpiece range	φ 80 ~ φ 610mm
roller linear speed	120 ~ 1200mm/min

#### adjustable supporter

model:	SZJ-1
load capacity:	5000kg
elevating stroke:	280m



1T ELEVATING WELDING POSITIONER (WITH CHUCK)



# Assistant Welding Machine

## COMPONENTS OF NC PIPES PREFABRICATE PRODUCTION LINE

### LONG 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

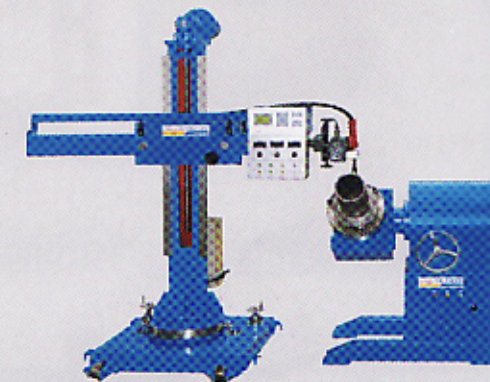
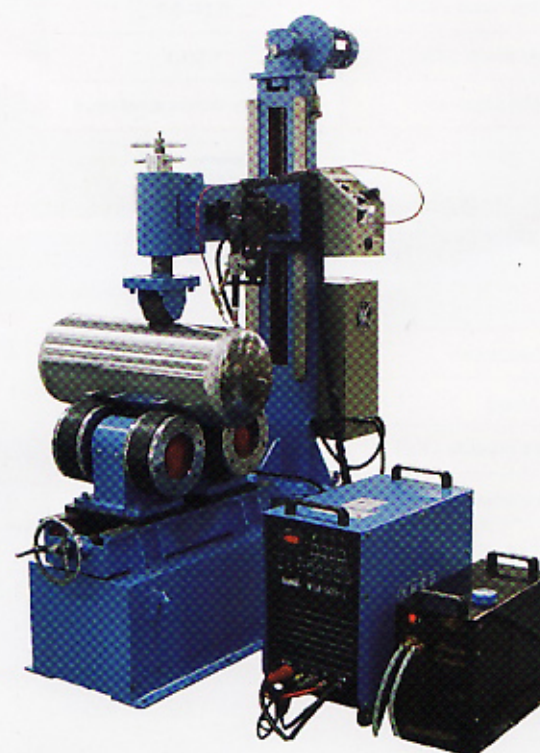
#### middle pipe auto welding combination

- 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

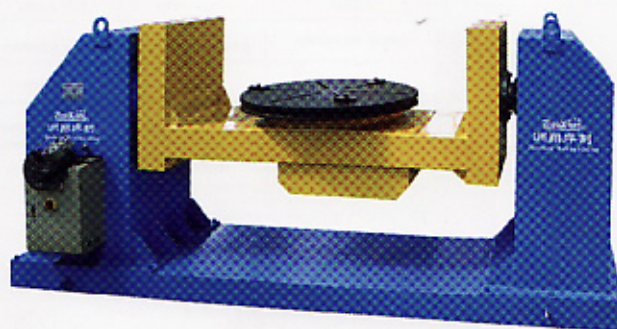
model	SSHB-1
max load capacity	100kg
pipe diameter	10 ~ 315mm
rotating speed	0.4 ~ 4rpm



# Assistant Welding Machine

## WELDING POSITIONER SERIES

### HEAD AND TAIL POSITIONER (SPECIAL ORDER)



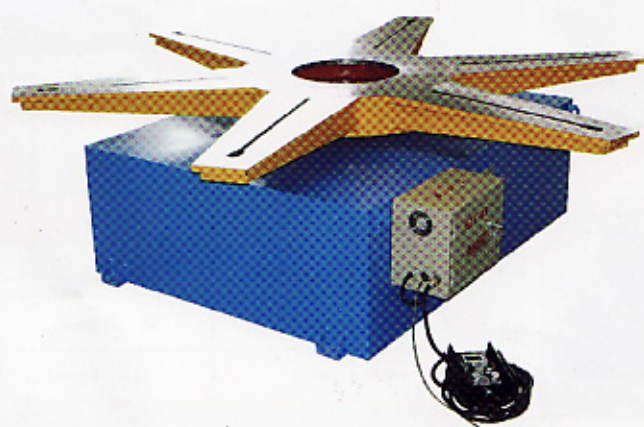
Description	Head and tail positioner
Model	SHB2000
Rated load capacity ( Kg )	2000
Table diameter ( mm )	1000
Overtuning speed ( rpm )	0.06-0.6
Motor power ( Kw )	0.75/1.1
Speed adjust way	Constant speed/ Frequency stepless speed adjust

### L TYPE POSITIONER (SPECIAL ORDER)



Description	L type positioner
Model	LHB2000
Rated load capacity ( Kg )	2000
Overtuning 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

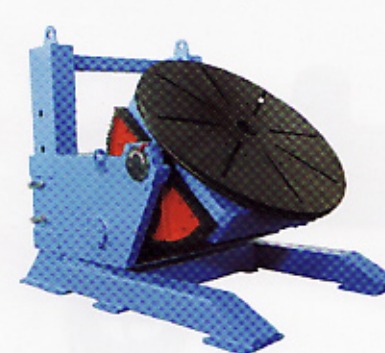
### TURNING TABLE (SPECIAL ORDER)



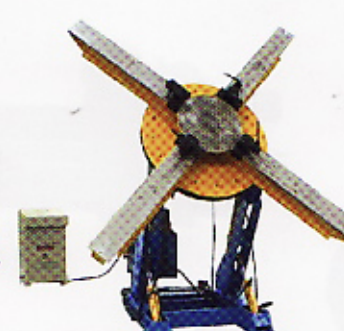
Description	Turning table
Model	HZT-03
Rated load capacity ( Kg )	3000
Table diameter ( mm )	φ 3000
Overtuning speed ( rpm )	0.02-0.2
Motor power ( Kw )	0.75
Speed adjust way	Frequency stepless speed adjust

# Assistant Welding Machine

## WELDING POSITIONER SERIES



HEIGHT ADJUSTABLE WELDING POSITIONER



HYDRAULIC ELEVATING POSITIONER



MINI CHUCK TYPE POSITIONER



100 KG POSITIONER



50T TURNING TABLE



20T TILT 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

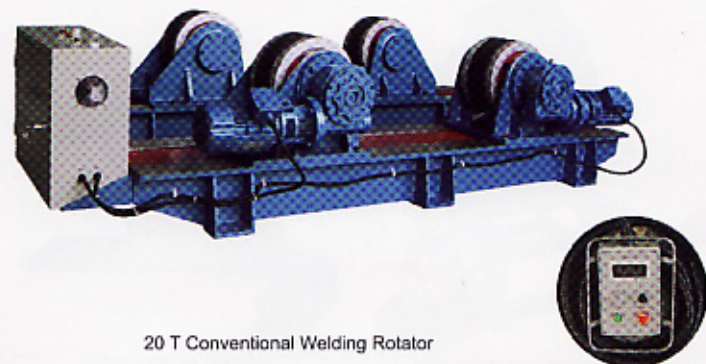
Type	Rated Load (kg)	Rotating speed (rpm)	Overtuning angle (°)	size of working table (mm)	Motor power ( kw )		Way of setting
					Rotating	Overtuning	
HBZ-1	100	0.12-1.2	0-90°	φ 400	0.18	0.18	Frequency control
HBZ-3	300	0.2-2	0-90°	φ 600	0.37	0.37	
HBZ-6	600	0.09-0.9	0-90°	φ 1000	0.75	0.75	
HBZ-10	1000	0.05-0.5	0-120°	φ 1200	1.1	1.5	
HBZ-30	3000	0.05-0.5	0-120°	φ 1400	1.5	1.5	
HBZ-50	5000	0.05-0.5	0-120°	φ 1500	2.2	4	
HBZ-100	10000	0.017-0.17	0-120°	φ 2000	3	5.5	
HBZ-200	20000	0.015-0.15	0-120°	φ 2300	5.5	7.5	



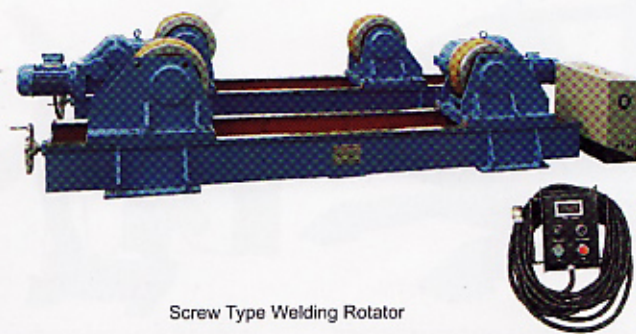


# Assistant Welding Machine

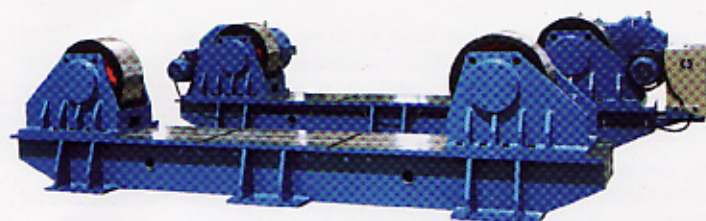
## CONVENTIONAL WELDING ROTATOR



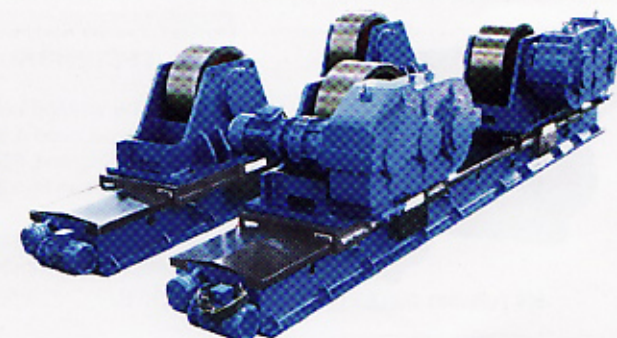
20 T Conventional Welding Rotator



Screw Type Welding Rotator



250 T Conventional Welding Rotator



630 T Conventional Welding Rotator

### TECHNICAL PERFORMANCE

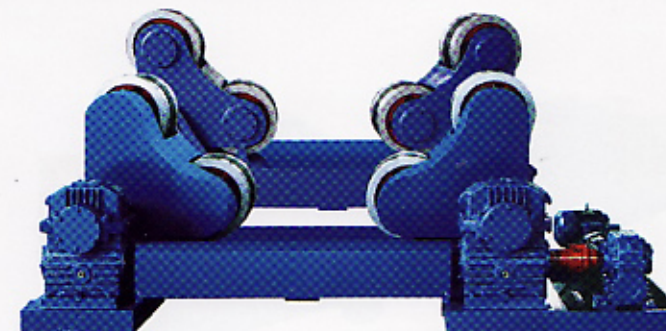
This series rolling welding rotator have the type of self-aligned, conventional, which are suitable for welding, polishing, glue-lining, and assembling of the cylinder body. Welding rotator can be auto adjusted according to the size and weight of cylinder and the center distance of the wheels on the welding rotator can be adjusted manually, which the speed-control mechanism accepts either the stepless speed change of electromagnetic slip motor or the AC frequency conversion speed-changing mechanism to improve the reliability of operating. The company also can customize welding rotator in all varieties according to clients' requirements.

### 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
			Rubber rollers	Metal rollers			
GLHK-3	3000	Φ250~Φ1800	Φ200×100	2×Φ194×20	6~60	2×0.25	AC converter stepless speed adjust or electro-magnetic speed adjust
GLHK-5	5000	Φ250~Φ2300	Φ250×100	2×Φ240×20	6~60	2×0.37	
GLHK-10	10000	Φ320~Φ2800	Φ300×120	2×Φ290×25	6~60	2×0.55	
GLHK-20	20000	Φ500~Φ3500	Φ350×120	2×Φ340×30	6~60	2×1.1	
GLHK-40	40000	Φ600~Φ4200	Φ400×120	2×Φ390×40	6~60	2×1.5	
GLHK-60	60000	Φ750~Φ4800	Φ450×120	2×Φ440×50	6~60	2×2.2	
GLHK-80	80000	Φ850~Φ5000	Φ500×120	2×Φ490×60	6~60	2×3	
GLHK-100	100000	Φ1000~Φ5500	Φ500×120	2×Φ490×70	6~60	2×3	
GLHK-160	160000	Φ1100~Φ6000	—	Φ620×220	6~60	2×4	
GLHK-250	250000	Φ1200~Φ7000	—	Φ700×280	6~60	2×5.5	
GLHK-500	500000	Φ1500~Φ8000	—	Φ850×350	6~60	2×7.5	
GLHK-630	630000	Φ1500~Φ9000	—	Φ900×380	6~60	2×11	

# Assistant Welding Machine

## SELF-ALIGNED WELDING ROTATOR



100 T SELF-ALIGNED WELDING ROTATOR



### TECHNICAL PERFORMANCE

The GLHZ series welding rotator is absorbing advantages of similar products at home and abroad, and designed and manufactured by us according to the operation requirements of several pressure vessel factories, and accord with mechanical standard JB/T 9187-1999 It is the device for special purpose adopted to weld metal cylinder especially pressure vessel. It has advantages of advanced technology, reliable quality and simple operation.

This is self-aligned welding rotator which suitable for different diameter jobs in the range, and it has advantages of stepless speed adjust, low noise transmission and stable turning under the welding parameter in the range.

### Technical Parameter of Self-Aligned Welding Rotator

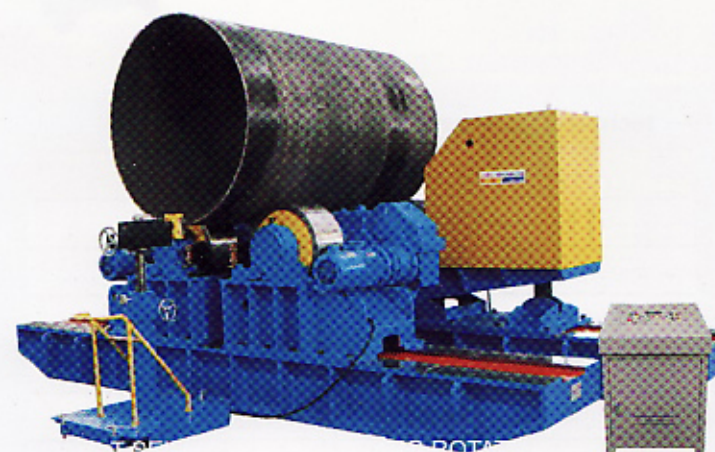
Type	Max load weight(kg)	Suitable diameter of vessel(mm)	Diameter and width of the wheel(mm)		wheel linear speed(m/h)	Power of motor(kw)	Way of setting
			Rubber rollers	Metal rollers			
GLHZ-5	5000	Φ250-Φ2300	Φ250×100	2×Φ240×20	6~60	0.75	AC converter stepless speed adjust or electro-magnetic speed adjust
GLHZ-10	10000	Φ320-Φ2800	Φ300×120	2×Φ290×25	6~60	1.1	
GLHZ-20	20000	Φ500-Φ3500	Φ350×120	2×Φ340×30	6~60	1.5	
GLHZ-40	40000	Φ600-Φ4200	Φ400×120	2×Φ390×40	6~60	3	
GLHZ-60	60000	Φ750-Φ4800	Φ450×120	2×Φ440×50	6~60	4	
GLHZ-80	80000	Φ850-Φ5000	Φ500×120	2×Φ490×60	6~60	4	
GLHZ-100	100000	Φ1000-Φ5500	Φ500×120	2×Φ490×70	6~60	5.5	
GLHZ-150	150000	Φ1100-Φ6000	—	Φ600×280	6~60	7.5	
GLHZ-250	250000	Φ1200-Φ7000	—	Φ700×300	6~60	2×5.5	
GLHZ-500	500000	Φ1800-Φ8000	—	Φ850×350	6~60	2×7.5	

## ANTI-CREEP WELDING ROTATOR

### TECHNICAL PERFORMANCE

This product is according to the cause of the workpiece shaft direction creep. When workpiece rotating, it do spiral 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 especially suitable for heavy workpiece and surfacing weld and clearance weld which have high requirement on precision of welding seam position and stability of welding speed.

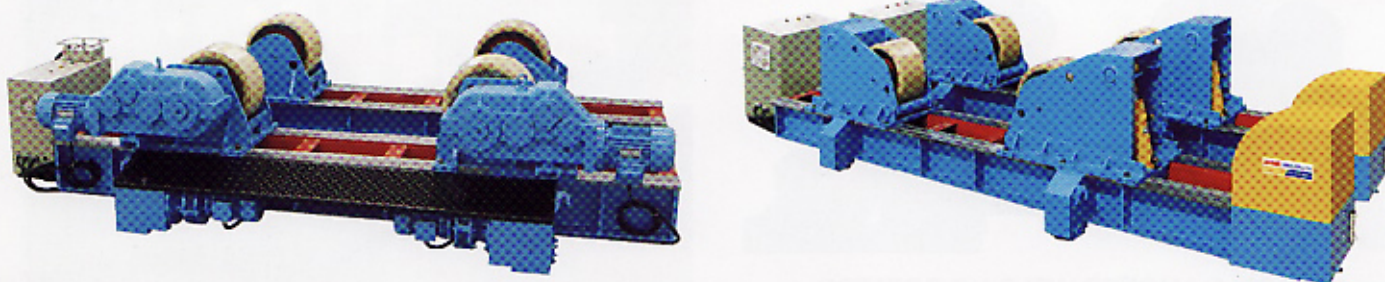




# Assistant Welding Machine

## FIT-UP ROLL

### HYDRAULIC FIT-UP ROLL



### TECHNICAL PERFORMANCE

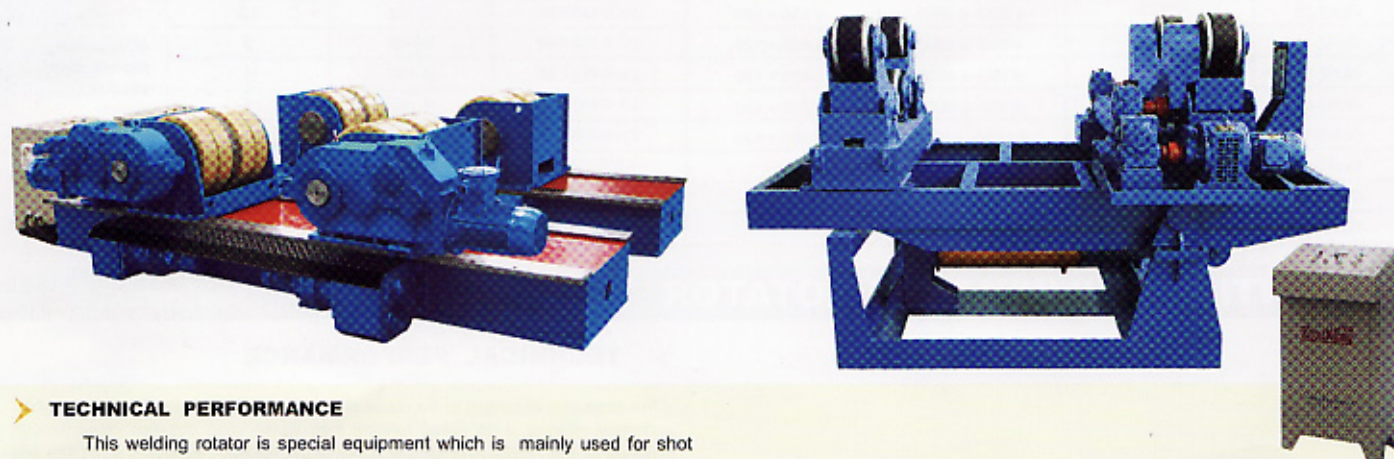
Similar to the Fit-Up Bed, this Fit-Up Roll is mainly used for joining of long pipe such as in wind tower application. It has four independent fit-up rolls that perform the fit-up process, and is used jointly with standard conventional powered and idler rotator.

### technical parameter of hydraulic Fit-up roll

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	Φ2000~Φ4800	Φ400×210	6~60	2×1.5	1700	AC converter stepless speed adjust or electro-magnetic speed adjust
ZHGK-60	60000	Φ2500~Φ5000	2×Φ520×178	6~60	2×2.2	1700	

### ROTATOR FOR BLASTING AND PAINTING

### TILTING 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 hydraulic Fit-up roll

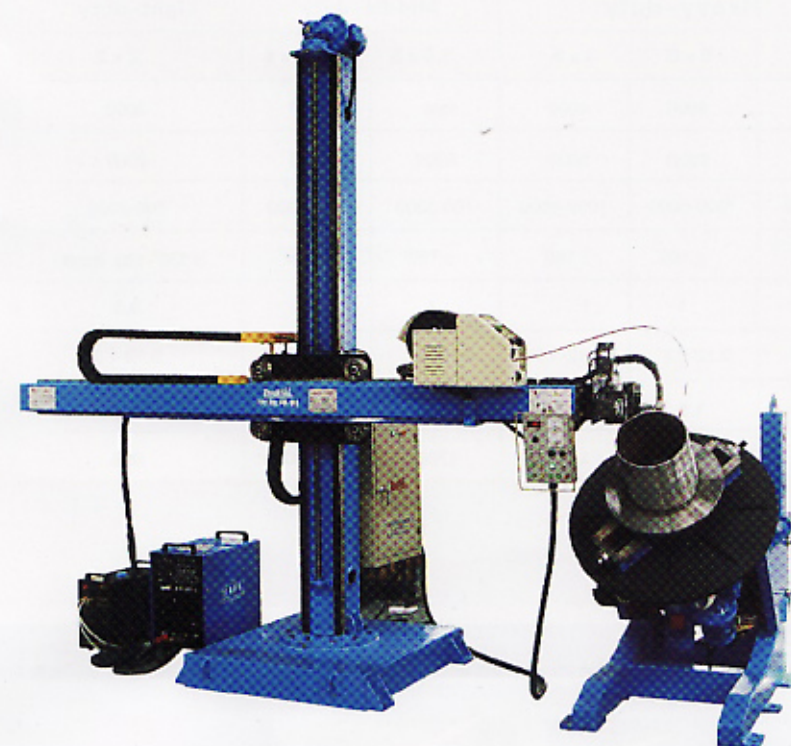
Description	80T rotator for blasting and painting
Model	GLHK80Y
Rated load capacity ( Kg )	80000
Vessel diameter ( mm )	2000-5000
Roller linear speed ( m/h )	6-60
Motor power ( Kw )	2×3
Speed adjust way	Frequency stepless speed adjust
Inner distance of rail(mm)	1700

### technical parameter of hydraulic Fit-up roll

Description	Tilting rotator
Model	QGLJ10
Rated load capacity ( Kg )	10000
Vessel diameter ( mm )	Φ320~Φ2800
Roller linear speed ( m/h )	6-60
Motor power ( Kw )	1.1
Speed adjust way	Frequency stepless speed adjust

# Assistant Welding Machine

## CIRCUMFERENTIAL WELDING CENTER



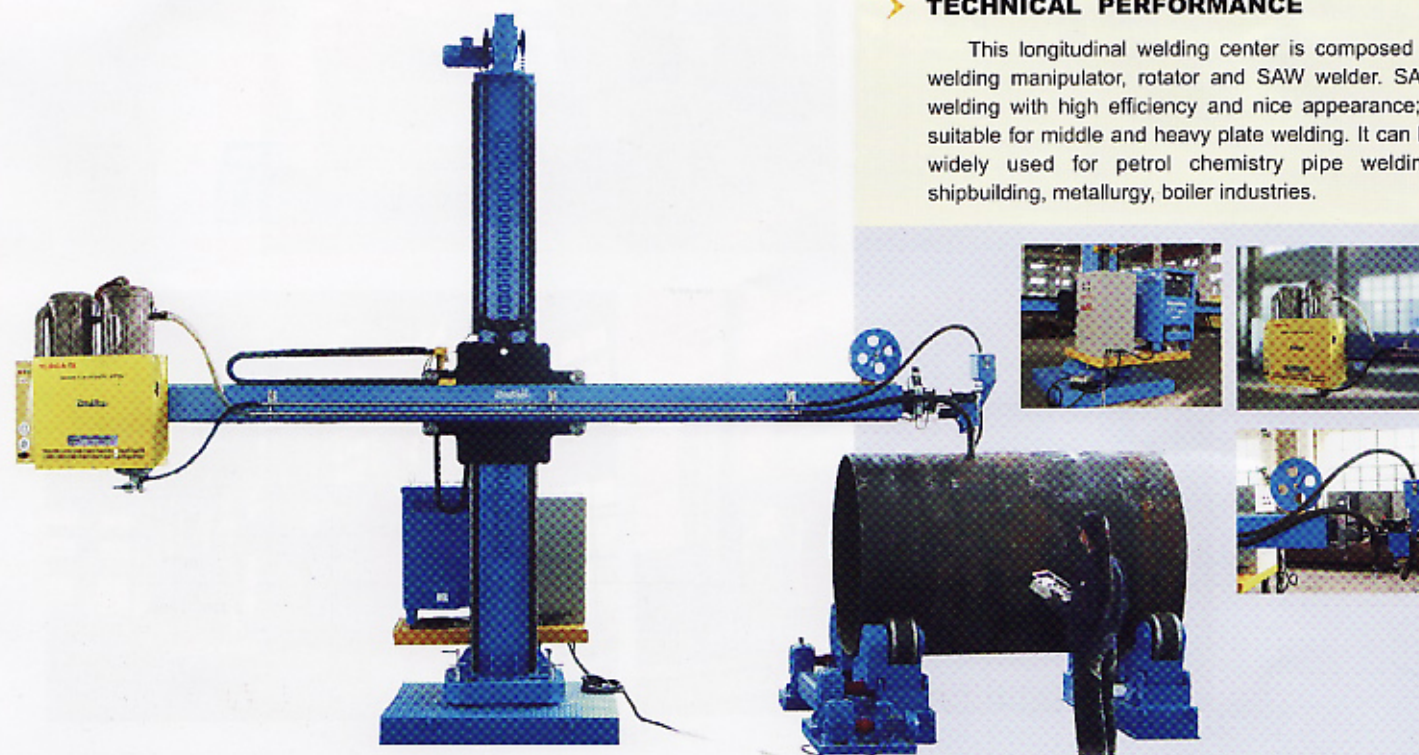
### TECHNICAL PERFORMANCE

This circumferential welding center is composed of welding manipulator, positioner and TIG welder. The advanced TIG welding can make the seam with high intensity and nice appearance; it can be widely used for pressure vessel, petrol chemistry and aerospace industry.

## LONGITUDINAL WELDING CENTER

### TECHNICAL PERFORMANCE

This longitudinal welding center is composed of welding manipulator, rotator and SAW welder. SAW welding with high efficiency and nice appearance; it suitable for middle and heavy plate welding. It can be widely used for petrol chemistry pipe welding, shipbuilding, metallurgy, boiler industries.





# Assistant Welding Machine

## TECHNICAL PARAMETER OF AUTO-WELDING

Type	Heavy-duty			Middle-duty		Light-duty
	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° (by hand)
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.



## WELDING MANIPULATOR SERIES



For additional information, please contact :  
Indonesia Agent :

**Galaksi Metal Mesindo PT**  
Complete Range Welding & CNC Cutting Equipment

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