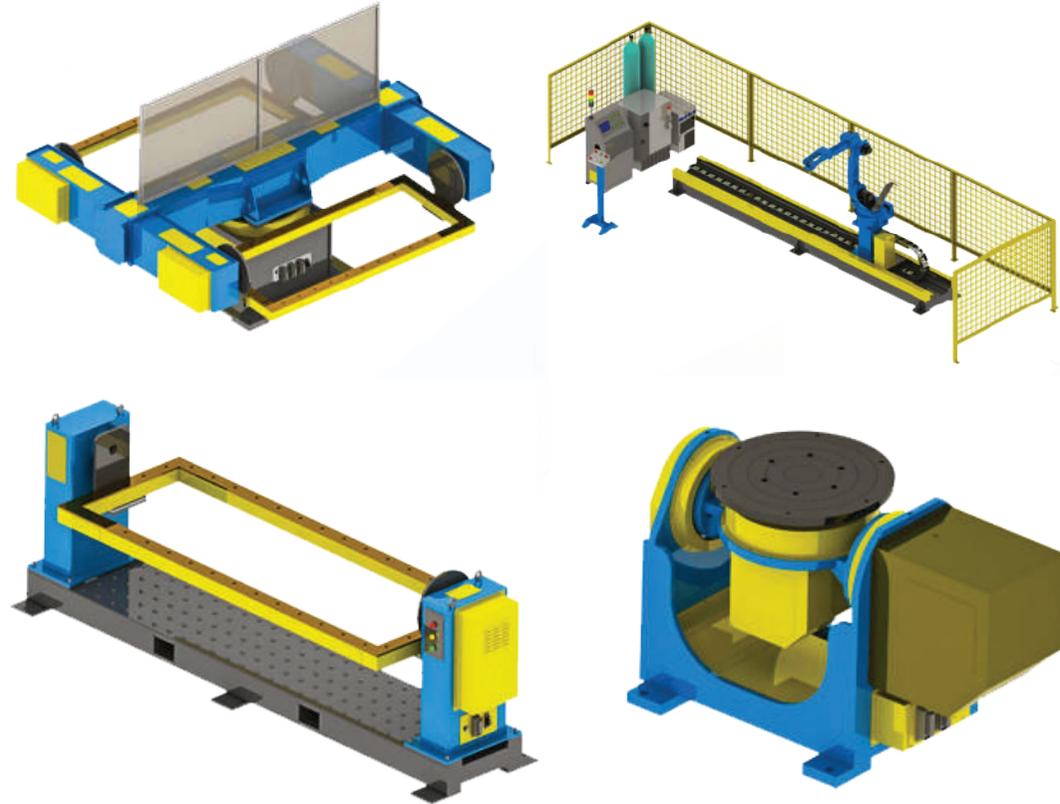


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- Kangyi Town Industrial Park, Wenshang County, Jining City, Shandong Province, China

Follow us:



The leading brand in robot servo positioners and tracks in China.

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The main products of the company include: standard servo positioner and walking rails for robots, as well as offer customized robot positioner and robot walking track, With its independent core technology and system integration advantages, the company designs and manufactures various non-standard automated production equipment and production lines for its customers. Its products cover many fields, such as engineering machinery, locomotives and vehicles, automobile manufacturing, shipbuilding and heavy industry, petrochemical equipment, power engineering, coal machinery, and heavy machinery.

Our company has a technical team with outstanding skills and experience, constantly developing and testing new product applications, ensuring the

advanced technology and products, providing high precision, speed, stability products to meet customer needs, providing customers with a full range of services from design, production to training, after-sales service, etc.

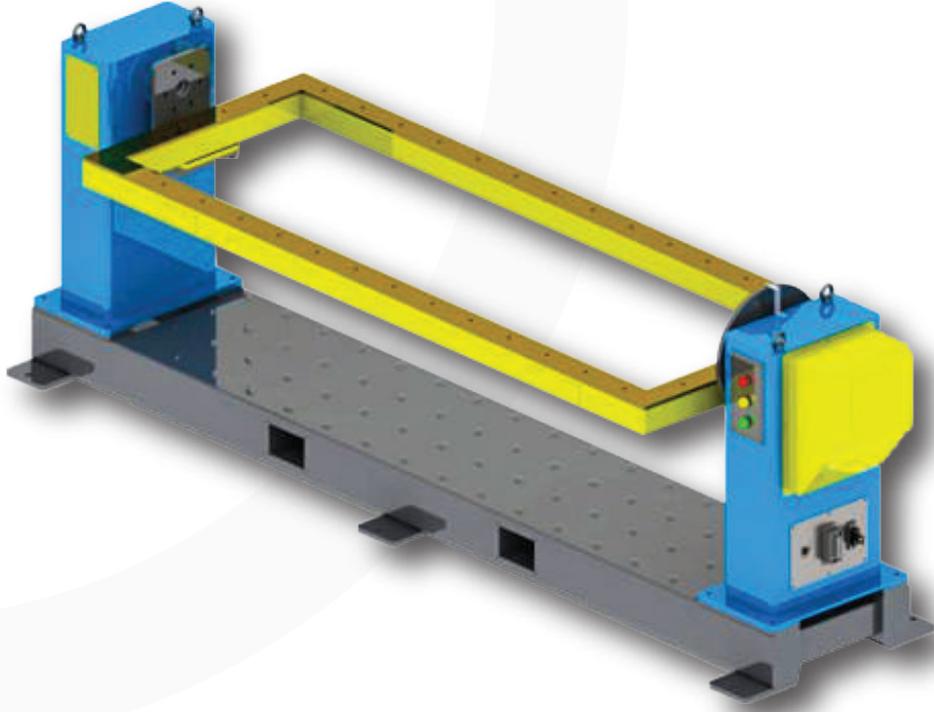
The company has consistently adhered to its core business tenets of "quality, integrity, and innovation" to satisfactorily address the ever-evolving needs of its clientele and the market at large. It endeavors to establish itself as a reliable brand by offering products of superior quality, fostering a favorable reputation, and delivering exceptional service.

About Us

Wuhan Rob System Tech Co., Ltd. is located in Jining, Shandong, China, which is renowned for being the birthplace of Confucius and Mencius and the origin of etiquette culture. It is a high-tech enterprise integrating research and development, design, production, and sales of various types of automation equipment. The company is dedicated to the research and development, as well as manufacturing of industrial peripheral equipment and non-standard automation equipment.

Product Lineup

1. Single-axis head and tailstock positioner



08	Positioner dimension (L×W×H)	2820mm×700mm×960mm	2900mm×700mm×1050mm	3900mm×800mm×1200mm	4000mm×950mm×1500mm	5600mm×1000mm×1700mm	(5000-11000)mm×1350mm×2100mm	(5000-11000)mm×1350mm×2100mm
09	Standard rotary plate	Φ360mm	Φ360mm	Φ390mm	Φ450mm	Φ450mm	Φ800mm	Φ800mm
10	Height of rotary center	760mm	830mm	950mm	1300mm	1450mm	1750mm	1750mm
11	Equipment net weight	400kg	500kg	800kg	1300kg	1800kg	3T-10T	3T-10T
12	Lifting stroke	/	/	/	/	/	1000mm	/
13	Adjustable tailgate travel	/	/	/	/	/	0-5000mm	/
14	Rated lifting speed	/	/	/	/	/	0-800mm/min	/
15	Tailgate travel speed	/	/	/	/	/	0-10000mm/min	/



NO	Item	SWP-ZW-300	SWP-ZW-500	SWP-ZW-1000	SWP-ZW-2000	SWP-ZW-3000	SWP-ZW-5000 -WT-CT	SWP-ZW-5000
01	Rated load	300kg(Within 350mm radius of axis)	500kg(Within 400mm radius of axis)	1000kg(Within 600mm radius of axis)	2000kg(Within 1000mm radius of axis)	3000kg(Within 1000mm radius of axis)	5000kg(Within 1250mm radius of axis)	5000kg(Within 1250mm radius of axis)
02	Full load eccentricity distance	≤200mm(Total clamping height ≤ 550mm)	≤150mm(Total clamping height ≤400mm)	≤200mm(Single-sided clamping Total height ≤ 550mm)	≤200mm(Single-sided clamping Total height ≤ 450mm)	≤200mm(Single-sided clamping Total height ≤ 400mm)	≤300mm(Single-sided clamping Total height ≤700mm)	≤300mm(Single-sided clamping Total height ≤700mm)
03	Rated radius of rotation	R600mm	R650mm	R750mm	R1100mm	R1250mm	R1500mm	R1500mm
04	Rated rotation angle	±360°	±360°	±360°	±360°	±360°	±360°	±360°
05	Rated rotation speed	70°/S	50°/S	50°/S	50°/S	50°/S	28°/S	28°/S
06	Repeated positioning accuracy	±0.06mm (R=350mm)	±0.08mm (R=400mm)	±0.10mm (R=700mm)	±0.18mm (R=1000mm)	±0.20mm (R=1000mm)	±0.25mm (R=1250mm)	±0.25mm (R=1250mm)
07	Rotary frame size (LxWxH)	2000mm×660mm×90mm	2200mm×800mm×90mm	3000mm×1200mm×130mm	3000mm×2000mm	4500mm×2000mm	(0-10000)mm×2500mm	(0-10000)mm×2500mm

2. Horizontal Single Axis Servo Positioner



WRS Series horizontal single axis servo positioner consists of fixing base, rotary main spindle case, horizontal rotary disk, AC servo motor RV precise reducer, conductive system, protective cover and electrical control system.

Technical Specification:

NO	Item	SWP-P-300	SWP-P-500
01	Rated load	300kg (Within the range of the spindle axis radius R400mm)	500kg (Within the range of the spindle axis radius R500mm)
02	Rated radius of rotation	R450mm	R650mm
03	Rated rotation angle	±360°	±360°
04	Rated rotation speed	70°/S	50°/S
05	Repeated positioning accuracy	±0.08mm (R=400mm)	±0.10mm (R=500mm)
06	Rotary frame size (LxWxH)	Standard configuration without rotary plate	Standard configuration without rotary plate
07	Positioner dimension (LxWxH)	900mmx700mmx760mm	900mmx700mmx760mm
08	Standard rotary plate	Φ360mm (Rotating disk shape size ≤ 1200mm)	Φ390mm (Rotating disk external dimensions ≤ 1500mm)
09	Height of rotary center	760mm	780mm
10	Equipment net weight	270kg	400kg



3. Single Axis Spindle Servo Positioner



No.	Item	SWP-Z-200	SWP-Z-500
01	Rated load	200kg (within main axis radius R300mm, center of gravity ≤ 300mm from flange)	500kg (within main axis radius R400mm, center of gravity ≤ 300mm from flange)
02	Standard radius of rotary	R600mm	R600mm
03	Maximum angle of rotary	±360°	±360°
04	Rated speed of rotary	70°/S	70°/S
05	Repeated positioning accuracy	±0.08mm	±0.10mm
06	Main axis rotary disk size	φ360mm	φ800
07	Positioner dimension (L×W×H)	1050mm×620mm×1050mm	1200mm×750mm×1200mm
08	Height of rotary center	850mm	900mm
09	Power supply	Three phase 200V ±10% 50Hz (with isolation transformer)	Three phase 200V ±10% 50Hz (with isolation transformer)
10	Insulation grade	H	H
11	Self weight	about 200kg	about 300kg

Technical Specification

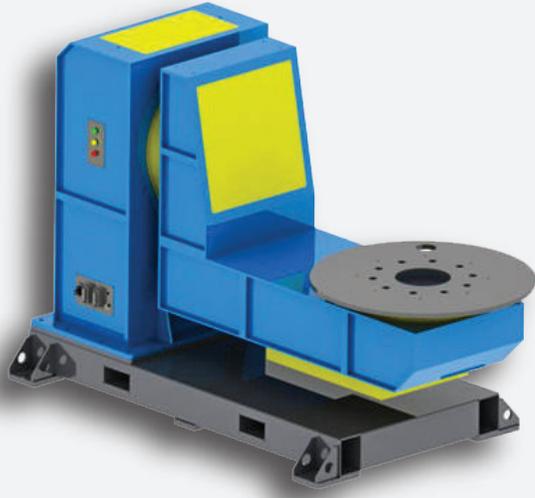
This single axis servo positioner consists of fixing base, rotary main spindle box, AC servo motor, RV precise reducer, conductive system, protective cover and electrical control system.

The fixed base is welded with high quality profiles, after annealing stress and special mechanical treatment so the machining accuracy and the use accuracy are assured. Antirust appearance paint is beautiful and elegant, and the color can be customized.

The rotation head and tailstock is also welded with high quality profiles, after annealing and special mechanical treatment to provide long term working stability. The AC servo motor matching the precise RV reducer can guarantee the high rotary stability, high positioning accuracy, the long durability, the low failure rate. We choose brass as the conductive material, which has good electrical conductivity. The conduct substrate is integral isolated, so the servo motor, robot body, welding power source is completely safe. We choose Omron(Japan) PLC to control the positioner, electrical elements are all from famous brand so it has stability, low failure rate.



4. Double axis welding positioner L type



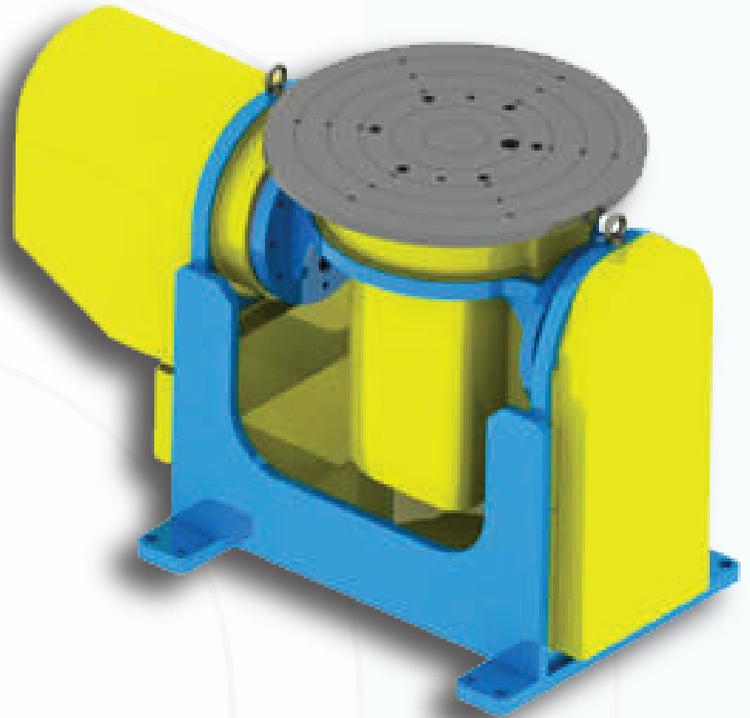
13	Lifting stroke	/	/	/	1200mm	/
14	Rated lifting speed	/	/	/	0-800mm/min	/



No.	Item	DWP-L-500	DWP-L-1000	DWP-L-2000	DWP-L-5000-CT	DWP-L-5000
01	Rated load	500kg(Within the radius of R500mm of the axis of the countershaft)	1000kg(Within the radius of R750mm of the axis of the countershaft)	2000kg(Within the radius of R1250mm of the axis of the countershaft)	5000kg(Within the radius of R2000mm of the axis of the countershaft)	5000kg(Within the radius of R2000mm of the axis of the countershaft)
02	Full load eccentric distance	≤550mm(Overall height of clamping ≤1100mm)	≤350mm(Overall height of clamping ≤1100mm)	≤500mm(Overall height of clamping ≤1200mm)	≤800mm(Overall height of clamping ≤1800mm)	≤800mm(Overall height of clamping ≤1800mm)
03	Standard radius of rotary	R550mm	R850mm	R1350mm	R2100mm	R2100mm
04	Rotary angle of 1st axis	±180°	±180°	±180°	±180°	±180°
05	Rotary angle of 2nd axis	±360°	±360°	±360°	±360°	±360°
06	Rated rotary speed of 1st axis	30°/S	30°/S	30°/S	25°/S	25°/S
07	Rated rotary speed of 2nd axis	50°/S	50°/S	30°/S	25°/S	25°/S
08	Repeated positioning accuracy	±0.10mm(At the place of R=500mm)	±0.15mm(At the place of R=750mm)	±0.15mm(At the place of R=1250mm)	±0.20mm(At the place of R=2000mm)	±0.20mm(At the place of R=2000mm)
09	Positioner dimension (L×W×H)	1800mm×750mm×1200mm	2900mm×1250mm×1800mm	3800mm×1500mm×2200mm	5500mm×2200mm×4200mm	5000mm×1900mm×2600mm
10	Standard 2nd axis rotary disc	Φ600mm	Φ1000mm	Φ1200mm	Φ1800mm	Φ1800mm
11	Height of 1st axis rotary center	1000mm	1200mm	1500mm	2100mm	2100mm
12	Weight	about 1000kg	about 2500kg	about 3500kg	about 8000kg	About 8000kg

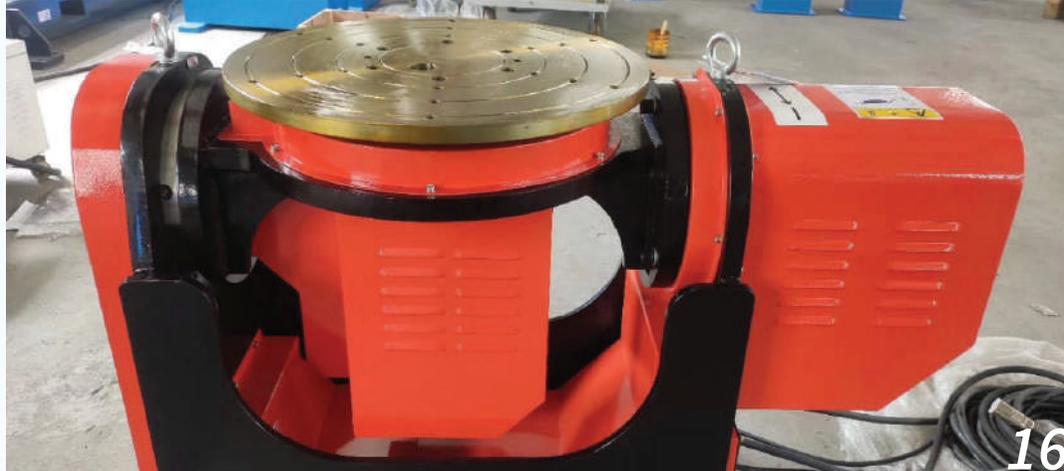


5. Double axis welding positioner P type



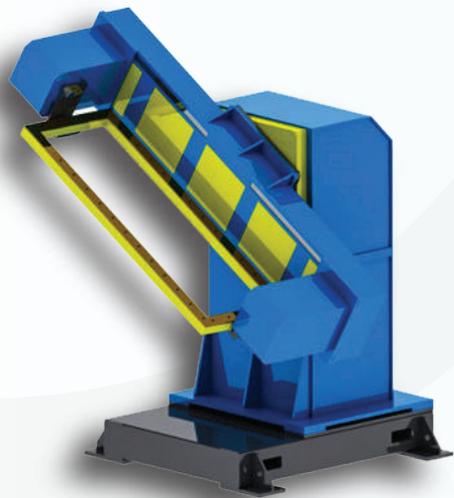
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No.	Item	DWP-P-200	DWP-P-500
01	Rated load	200kg(R300mm within the radius of the 2nd shaft axis)	500kg(R300mm within the radius of the 2nd shaft axis)
02	Standard radius of rotary	R400mm	R400mm
03	Full load eccentric distance	≤300mm(Overall height of clamping≤600mm)	≤240mm(Overall height of clamping≤600mm)
04	Rotary angle of 1st axis	±90°	±90°
05	Rotary angle of 2nd axis	±360°	±360°
06	Rated rotary speed of 1st axis	50°/S	50°/S
07	Rated rotary speed of 2nd axis	70°/S	50°/S
08	Repeated positioning accuracy	±0.08mm(At the place of R=400mm)	±0.08mm(At the place of R=400mm)
09	Positioner dimension (L×W×H)	1000mm×550mm×600mm	1200mm×600mm×750mm
10	Standard 2nd axis rotary disc	Φ500mm	Φ600mm
11	Height of 1st axis rotary center	500mm	540mm
12	Weight	about 300kg	about 500kg



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6. C Type Two Axis Welding Positioner



10	Height of 1st axis rotary center	1200mm	1350mm	1600mm
11	Power supply	Three phase 200V ±10% 50Hz (with isolation transformer)	Three phase 200V ±10% 50Hz (with isolation transformer)	Three phase 200V ±10% 50Hz (with isolation transformer)
12	Insulation grade	H	H	H
13	Weight	about 800kg	about 1300kg	about 2000kg

Technical Specification:

No.	Item	DWP-C-200	DWP-C-500	DWP-C-1000
01	Rated load	200kg (within 2nd axis radius R400mm)	500kg (within 2nd axis radius R400mm)	1000kg (within 2nd axis radius R600mm)
02	Standard radius of rotary	R400mm	R400mm	R600mm
03	Rotary angle of 1st axis	±180°	±180°	±180°
04	Rotary angle of 2nd axis	±360°	±360°	±360°
05	Rated rotary speed of 1st axis	50°/S	50°/S	15°/S
06	Rated rotary speed of 2nd axis	70°/S	70°/S	70°/S
07	Repeated positioning accuracy	±0.10mm	±0.15mm	±0.20mm
08	Dimension of the rotary frame (L×W×H)	1200mm×600mm×70mm	1600mm×800mm×90mm	2000mm×1200mm×90mm
09	Positioner dimension (L×W×H)	2000mm×1100mm×1700mm	2300mm×1200mm×1900mm	2700mm×1500mm×2200mm

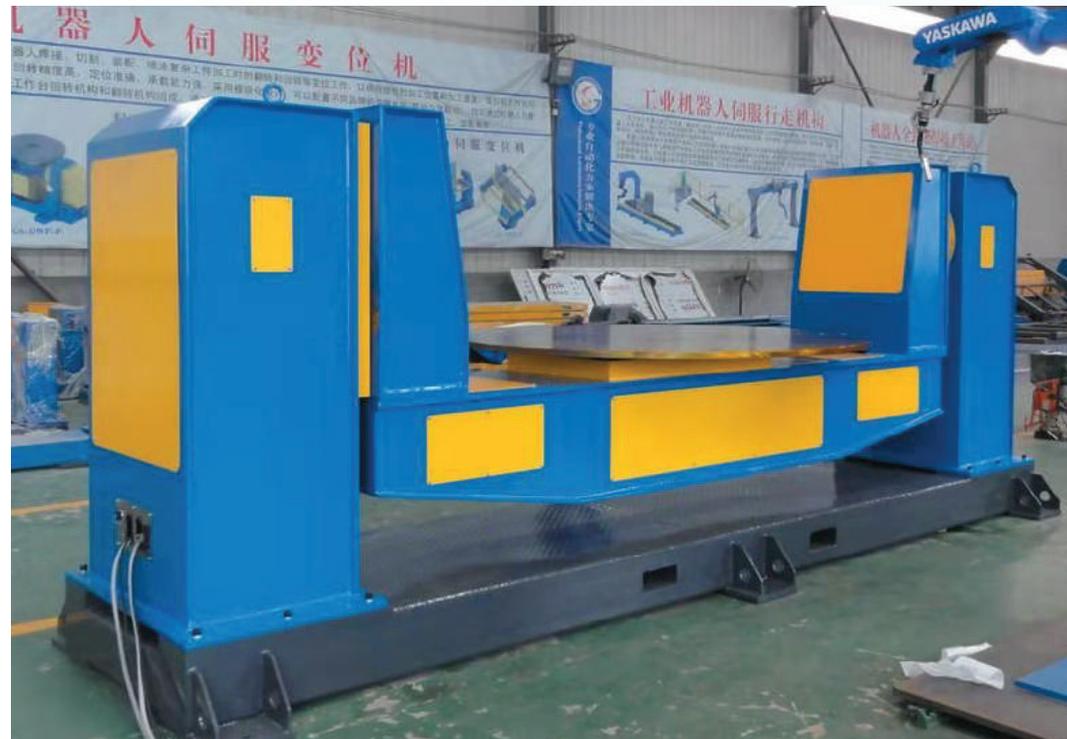


7. Double axis welding positioner U type

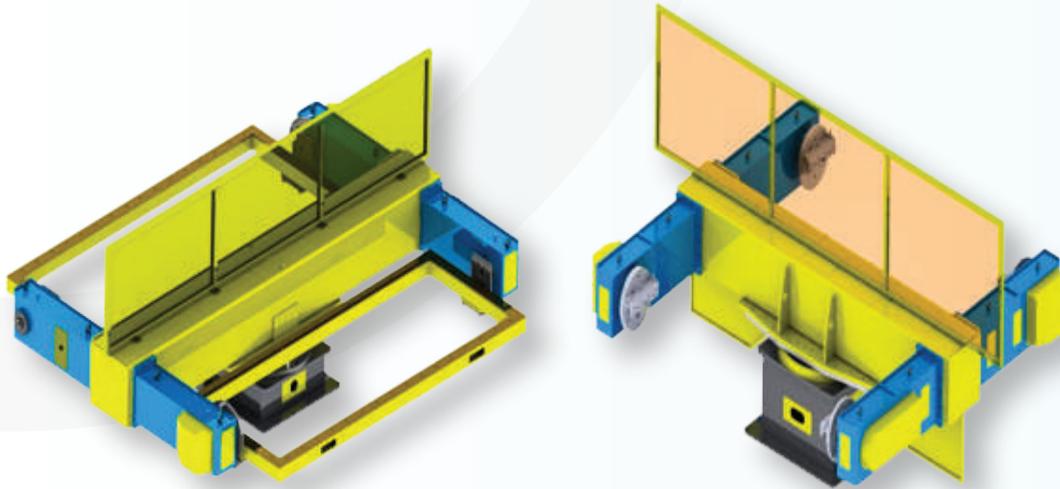


Technical Specification:

No.	Item	DWP-U-1000	DWP-U-3000	DWP-U-5000
01	Rated load	1000kg (within axis 2 radius R600mm)	3000kg (within axis 2 radius R1500mm)	5000kg (within axis 2 radius R2000mm)
02	Standard radius of rotary	R600mm	R1500mm	R2000mm
03	Tilting angle of 1st axis	±180°	±180°	±180°
04	Rotary angle of 2nd axis	±360°	±360°	±360°
05	Rated tilting speed of 1st axis	17°/S	17°/S	17°/S
06	Rated rotary speed of 2nd axis	24°/S	17°/S	24°/S
07	Repeated positioning accuracy	±0.15mm	±0.20mm	±0.25mm
08	Positioner dimension (L×W×H)	4200mm×700mm×1800mm	5500mm×900mm×2200mm	6500mm×1200mm×2600mm
09	Standard axis 2 rotary disc	φ1500mm	φ1800mm	φ2000mm
10	Height of axis 1 rotary center	1500mm	1750mm	2200mm
11	Power supply	Three phase 200V ±10% 50Hz (with isolation transformer)	Three phase 200V ±10% 50Hz (with isolation transformer)	Three phase 200V ±10% 50Hz (with isolation transformer)
12	Insulation grade	H	H	H
13	Weight	about 2200kg	about 4000kg	about 6000kg



8. Three Axis Servo S type Positioner



10	Dimension of the rotary frame (L×W×H)	2200mm×800mm×90mm	2500mm×1800mm
11	Positioner dimension (L×W×H)	3100mm×2100mm×1700mm	4500mm×3200mm×2300mm
12	Height of 2nd ,3rd axis rotary center	650mm	1500mm
13	Weight	about 2000kg	about 4000kg

No.	Item	TWP-S-500	TWP-S-2000
01	Rated load	500kg+500kg (R400mm within the radius of the 2nd shaft axis)	2000kg+2000kg (R800mm within the radius of the 2nd shaft axis)
02	Standard rotating radius of main axis	R1650mm	R2400mm
03	Standard rotating radius of auxiliary axis	R450mm	R900mm
04	Rated load allowable eccentric distance	≤150mm (Overall height of clamping ≤400mm)	≤200mm (Overall height of one-sided clamping≤450mm)
05	Rotary angle of 1st axis	±180°	±180°
06	Rotary angle of 2nd ,3rd axis	±360°	±360°
07	Rated rotary speed of 1st axis	50°/S	30°/S
08	Rated rotary speed of 2nd ,3rd axis	50°/S	50°/S
09	Repeated positioning accuracy	±0.08mm (At the place of R=400mm)	±0.15mm (At the place of R=800mm)



9. Three Axis Servo C type Positioner



10	Dimension of the rotary frame (L×W×H)	2200mm×800mm×90mm	3000mm×1800mm
11	Positioner dimension (L×W×H)	4500mm×2200mm×1850mm	5800mm×3200mm×1900mm
12	Height of 1st axis rotary center	1450mm	1500mm
13	Weight	about2800kg	about 4500kg

1. Technical Parameters

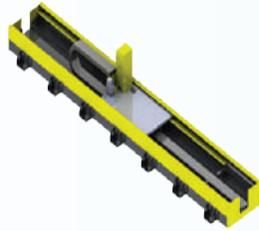
No.	Item	TWP-C-500	TWP-C-2000
01	Rated load	500kg+500kg(R400mm within the radius of the 2nd shaft axis)	2000kg+2000kg(R800mm within the radius of the 2nd shaft axis)
02	Standard rotating radius of main axis	R1200mm	R1250mm
03	Standard rotating radius of auxiliary axis	R500mm	R900mm
04	Rated load allowable eccentric distance	≤150mm(Overall clamping height≤400mm)	≤200mm(Overall height of one-sided clamping≤450mm)
05	Rotary angle of 1st axis	±180°	±180°
06	Rotary angle of 2nd ,3rd axis	±360°	±360°
07	Rated rotary speed of 1st axis	50°/S	30°/S
08	Rated rotary speed of 2nd ,3rd axis	70°/S	50°/S
09	Repeated positioning accuracy	±0.08mm(At the place of R=400mm)	±0.15mm(At the place of R=800mm)



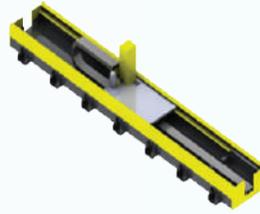
Robot Linear track



SW-X-Z-L-XXX light load ground rail



SW-X-Z-M-XXX medium load ground rail



SW-X-Z-CZ-XXX heavy load ground rail

No.	Item	SW-X-Z-L- light payload track	SW-X-Z-M- medium payload track	SW-X-Z-CZ- heavy payload track
01	Product name	Single-axis servo ground rail (light load)	Single axis servo ground rail (medium sized)	Single axis servo ground rail (Heavy duty)
02	Main use	Welding, light loading	Welding, handling and loading	Welding, handling, multi-axis walking base
03	Control method	Control based on precision AC servo motor	Electrical Control Based on Precision AC Servo Motor	Electrical Control Based on Precision AC Servo Motor
04	Reducer speed ratio	i=20	i=20	i=40
05	Repeat positioning accuracy	±0.08mm	±0.10mm	±0.15mm
06	Moving speed	0-40000mm/min	0-40000mm/min	0-20000mm/min
07	Effective stroke length	length-800mm	Length-1400mm	Length-1500mm
08	The effective installation size of the slide table	450mm×500mm (length×width)	900mm×750mm(L×W)	1000mm×1100mm(L×W)
09	Maximum load	Total load≤800kg The end load of the handling robot≤50kg	Total load≤3000kg The end load of the handling robot≤300kg	Total load≤10000kg The end load of the handling robot≤1000kg
10	Dimensions	Length x 900mm x 800mm (height of the shield)	Length x 1270mm x 900mm (shield height)	Length×1700mm×1100mm (shield height)
11	Cable drag chain position	center/external (towline inner cavity 45×75+45×75)	Central/external (drag chain inner cavity 45×75+45×75)	Central/external (drag chain inner cavity 45×125+45×125)
12	Weight	Length×150kg/m+150kg (weight of slide assembly)	Length×300kg/m+420kg (weight of slide assembly)	Length×450kg/m+800kg (weight of slide assembly)



Structure Briefs:

1. The walking guide rail of the robot is semi-enclosed. It is assembled with standardized modules. It is mainly composed of mechanical parts, power, and guidance parts.

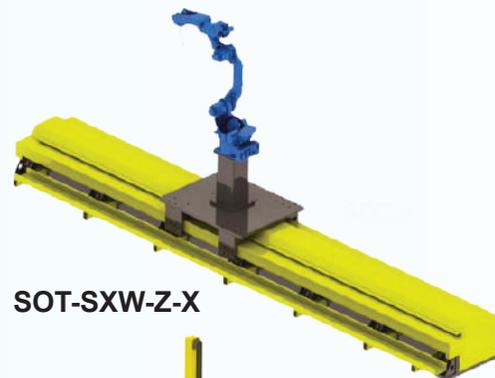
2. The mechanical part is joined by standardized modules and welded by high-quality profiled steel and steel plate. After professional heat treatment, automated processing, and post-treatment, the stability and durability of its use can be ensured. The surface is sprayed with rust-proof exterior paint, and the appearance is beautiful.

3. The power part adopts the precision reducer with servo motor as its power mechanism and carries out power transmission through the well-known brand gear and rack. The high-precision linear guide rail and its supporting sliding seat as the guiding mechanism can ensure the stability and high accuracy of the sliding platform.

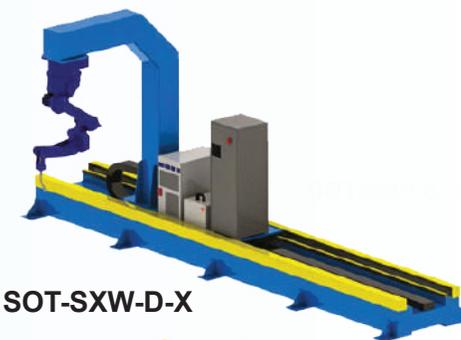
4. With an automatic refueling device, the slider can be lubricated regularly to improve its service life.

5. The modular design of the subsection is adapted to facilitate the transportation and assembly of the equipment and the upgrade of the later stage.

6. The semi-enclosed structure is adopted in the periphery protection, which can effectively protect the key components.



SOT-SXW-Z-X



SOT-SXW-D-X



SOT-TXW-D-X/Y/Z



SOT-SXW-C-X



Customized gantry system:



TG-X-D-M-XXX Single Axis Sky Rail



TG-XZ-D-M-XXX 2D Sky Rail



TG-XYZ-D-M-XXX 3D Sky Rail

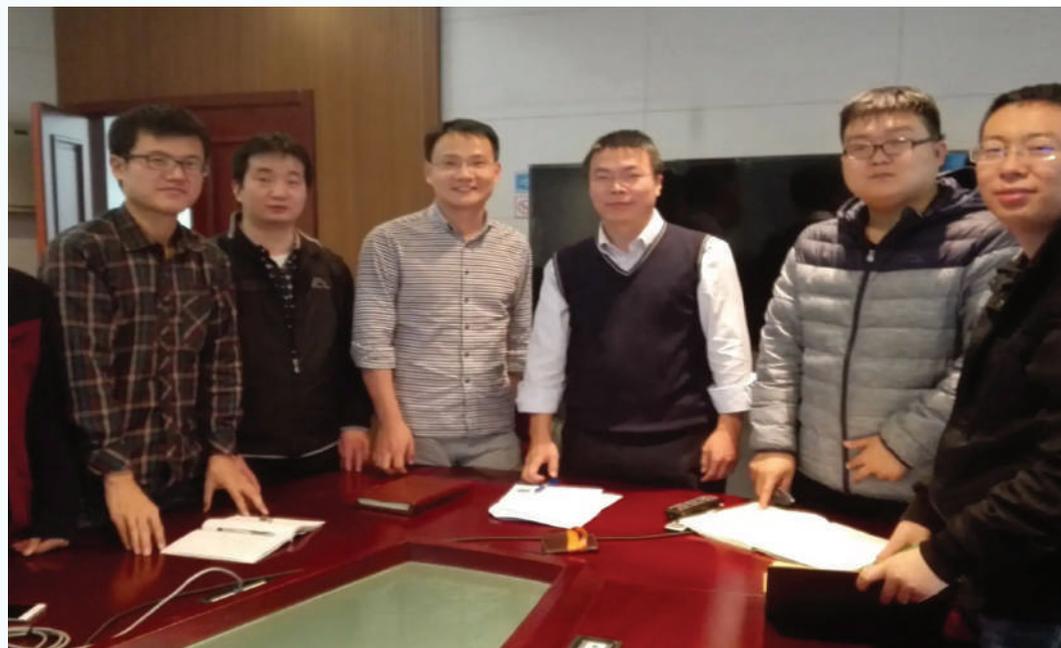
1. Technical Parameter

NO.	Item	TG-X-D-M-XXX Single Axis Sky Rail	TG-XZ-D-M-XXX 2D Sky Rail	TG-XYZ-D-M-XXX 3D Sky Rail
01	Main use	Welding	Welding	Welding
02	Model	TG-X-D-M-Length	TG-XZ-D-M-Length	TG-XYZ-D-M-Length
03	Reducer speed ratio	i=20	X:i=40 Y:i=20 Z:i=40	X:i=40 Y:i=20 Z:i=40
04	Repeat positioning accuracy	±0.10m	±0.10m	±0.15m
05	Moving speed	0-20000mm/min	X:0-10000mm/min Y:0-20000mm/min Z:0-10000mm/min	X:0-10000mm/min Y:0-20000mm/min Z:0-10000mm/min
06	Effective stroke length	Length-1500mm	X:Length-2000mm Y:Length-1200mm Z:Length-800mm	X:Length-2000mm Y:Length-1200mm Z:Length-800mm
07	Effective installation size of slide table	1000mm×750mm(L×W)	1000mm×750mm(L×W)	1000mm×750mm(L×W)
08	Maximum load	Total load≤350kg	Total load≤350kg	Total load≤350kg
09	Dimensions	Length×3500mm×3900mm (shield height)	Length×3500mm×3900mm (shield height)	Length×3500mm×3900mm (shield height)
10	Cable drag chain position	Middle/rear (drag chain inner cavity 45×75+45×75)	Middle/rear (drag chain inner cavity 45×75+45×75)	Middle/rear (drag chain inner cavity 45×75+45×75)
11	Weight	To be confirmed according to the final length	To be confirmed according to the final length	To be confirmed according to the final length

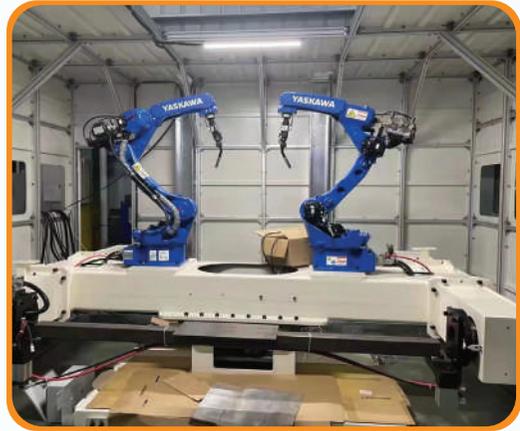
2. Structure Briefs:

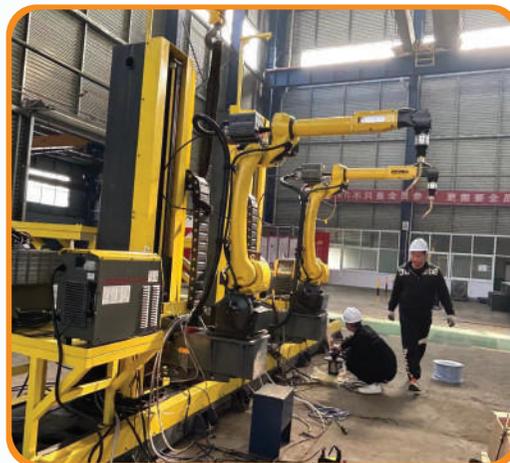
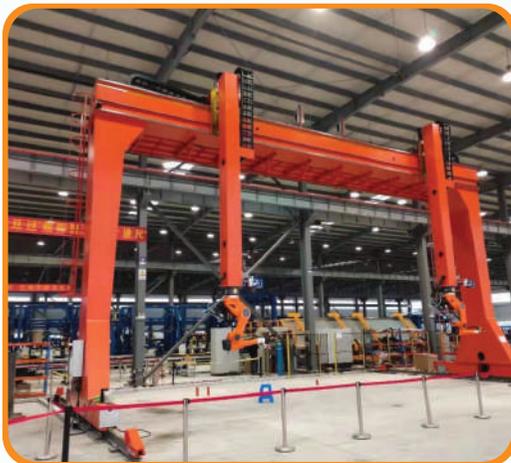
The servo ground rail is a semi-closed structure, which is assembled by standardized modules. It is mainly composed of mechanical parts, power mechanisms, lubrication systems and protection systems. The mechanical part is a standard modular structure, which is convenient for assembly and splicing. It is welded with high-quality profiles and steel plates. After professional heat treatment, mechanical processing and post-processing, it can ensure the stability and durability of use; the surface is sprayed with anti-rust and purchased paint, the appearance is beautiful and generous. Due to the modular design, it is convenient to upgrade it later. The power system adopts a precision planetary reducer and a servo motor as its power mechanism. The power is transmitted by a high-precision helical rack and pinion, and guided by a high-precision linear guide and a matching sliding seat, which can ensure the stability and positioning of the sliding table movement. of high precision. Equipped with an automatic lubrication system, the guide rails and gears and racks are regularly lubricated with oil to ensure their normal use environment. It adopts sheet metal bending protective cover, and the surface is sprayed with plastic, which is sturdy and durable without deformation, and has a beautiful appearance.





Application Picture







What Sets Us Apart

Excellent Products:

1. Carry out comprehensive production processes and implement rigorous quality control procedures.
2. Possess over a decade of experience in the market.
3. Maintain lasting partnerships with reputable robot brands, including **ABB**, **KUKA**, **FANUC**, **YASKAWA**, and over 800 integrators situated domestically and globally.
4. Continuously drive product development and foster innovation.

Exceptional Services:

- Quick and reliable technical assistance
- Competent and productive team member
- Thorough after-sales procedures
- Trustworthy logistic options
- Adaptable payment plan assistance
- Factory audit



Key Customers

 iPhone

 **HYUNDAI**
ROBOTICS

 HUAWEI



ZOOMLION
中联重科


DAIHEN Inc.



SAMSUNG

YASKAWA

FANUC

STEP[®]

KUKA



KOMATSU



CLOOS

NACHI



 **SANY**

SIASUN 新松

Panasonic

ESTUN

FOXCONN[®]

 **Kawasaki**

STÄUBLI