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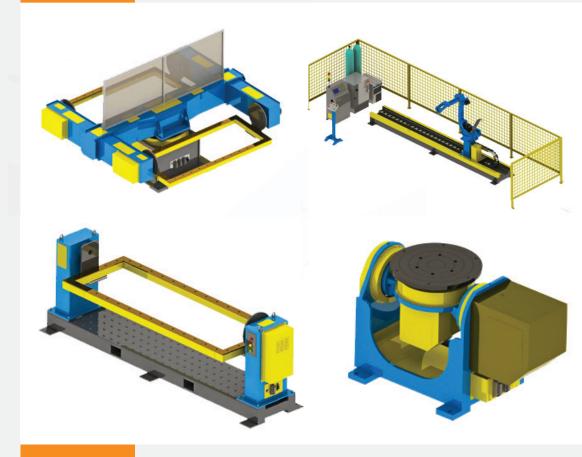


Wuhan Rob System Tech Co.,Ltd









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

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About Us

Wuhan Rob System Tech Co., Ltd.

WRS Robotics: Your partner for innovative and customized robotic automation solutions. We boost productivity, reduce costs, and deliver exceptional support.

Location & Heritage

Nestled in Jining, Shandong—the historic birthplace of Confucius and Mencius, and a symbol of China's rich cultural legacy—we embody the values of innovation and integrity that define our roots.

Who We Are

Wuhan Rob System Tech Co., Ltd. is a leading high-tech enterprise specializing in the design, development, and manufacturing of advanced automation solutions. We integrate cutting-edge R&Dwith industrial expertise to deliver bespoke automation equipment that drives productivity acrossglobal industries.

Core Products

- Robot Welding Positioners
- ◆ Linear Tracks

- Gantry Systems
- Customized Robotics Solution

Industries We Serve

Our solutions power efficiency and precision in critical sectors, including:

- ◆ Automobile Manufacturing
- Petrochemical & Power Engineering
- Shipbuilding & Heavy Industry
- ◆ Coal & Heavy Machinery
- Engineering Machinery & Locomotives

Why Partner With Us?

✓ Innovation-Driven Expertise

Leverage our independent core technology and system integration excellence to transform your production lines.

✓ High-Performance Solutions

From standardized systems to fully customized designs, our products deliver unmatched precision, speed, and reliability.

✓ End-to-End Support

We provide comprehensive services—concept design, prototyping, training, and lifetime after-sales support—to ensure seamless integration and operational success.

✓ Trusted Technical Team

Our skilled engineers and R&D specialists continuously pioneer new applications, ensuring your automation stays ahead of industry demands.

Our Commitment

Guided by the principles of Quality, Integrity, and Innovation, we strive to:

- Exceed client expectations with tailored automation solutions.
- ◆ Build long-term partnerships through superior products and service.
- Foster a global reputation as a trusted leader in industrial automation.

Join the Automation Revolution

Discover how Wuhan Rob System Tech Co., Ltd. can elevate your operations. Let's engineer the future, together.

VISION

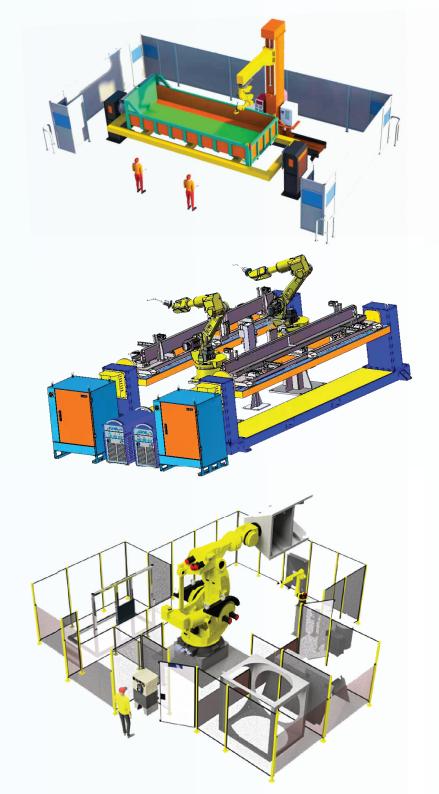
Partner with a leading robotics company to drive growth, quality, and productivity in the automated industry.

Empower companies to achieve greater flexibility and success through innovative solutions and a commitment to reliability and integrity.

MISSION

VALUES

Reliability, Integrity, and Innovation - our guiding principles in serving the industry.



Product Lineup

1. Single-axis head and tailstock positioner





NO	ltem	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 12500mm 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
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	Ф360mm	Ф360mm	Ф390mm	Ф450mm	Ф450mm	Ф800mm	Ф800mm
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	/	/	/	1	/	0-5000mm	/
14	Rated lifting speed	1	/	/	/	/	0-800mm/min	/
15	Tailgate travel speed	/	/	/	/	/	0-10000mm/min	/

2. Horizontal Single Axis Servo Positioner



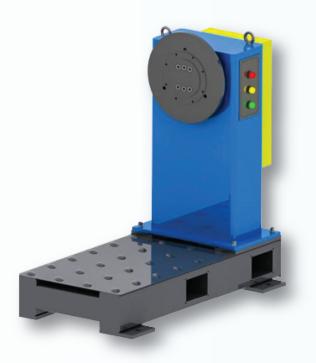


WRS Series horizontal single axis servo positioner consists of fixing base, rotary main spindle case, horizontal rotary disk, AC servo motor RV precise reducer, conductive system, protective cover and electrical control system.

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 (L×W×H)	900mm×700mm×760mm	900mm×700mm×760mm
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

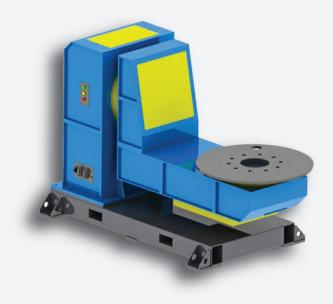
3. Single Axis Spindle Servo Positioner

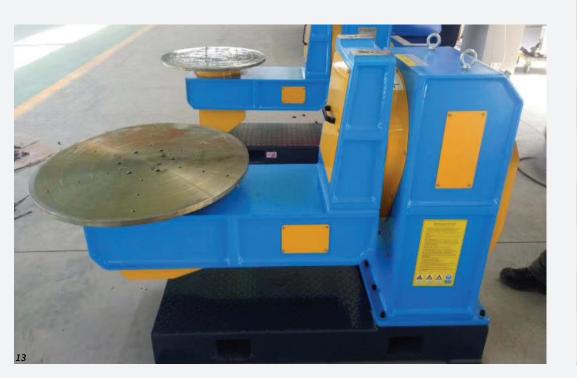




No.	Item	SWP-Z-200	SWP-Z-500
01	Rated load	200kg (within main axis radius R300mm, center of gravity ≤ 300mm from flange)	500kg (within main axis radius R400mm, center of gravity ≤ 300mm from flange)
02	Standard radius of rotary	R600mm	R600mm
03	Maximum angle of rotary	±360°	±360°
04	Rated speed of rotary	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	н	н
11	Self weight	about 200kg	about 300kg

4. Double axis welding positioner L type





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)	radius of R1250mm	of the axis of the	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	Ф600mm	Ф1000mm	Ф1200mm	Ф1800mm	Ф1800mm
11	Height of 1st axis rotary center	1000mm	1200mm	1500mm	2100mm	2100mm
12	Weight	about 1000kg	about 2500kg	about 3500kg	about 8000kg	About 8000kg
13	Lifting stroke	1	1	1	1200mm	1
14	Rated lifting speed	I	1	1	0-800mm/min	1

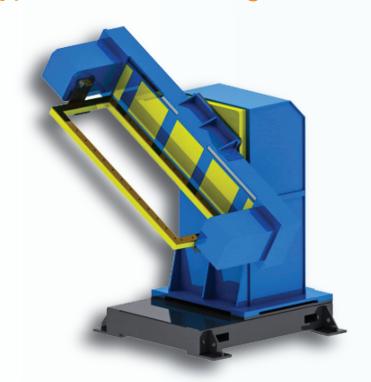
5. Double axis welding positioner P type





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	Ф500mm	Ф600mm
11	Height of 1st axis rotary center	500mm	540mm
12	Weight	about 300kg	about 500kg

6. C Type Two Axis Welding Positioner



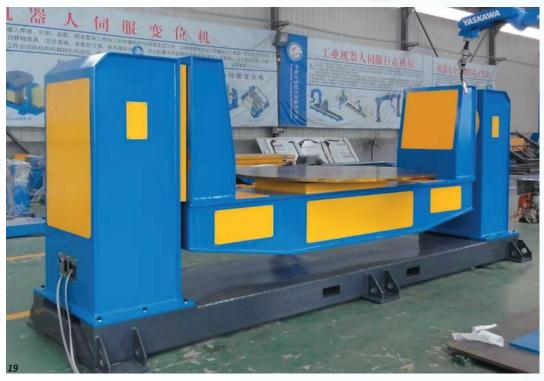


Technical Specification:

No.	Item	DWP-C-200	DWP-C-500	DWP-C-1000
			J 5 555	J 5 .000
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
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	н	н	н
13	Weight	about 800kg	about 1300kg	about 2000kg

7. Double axis welding positioner U type

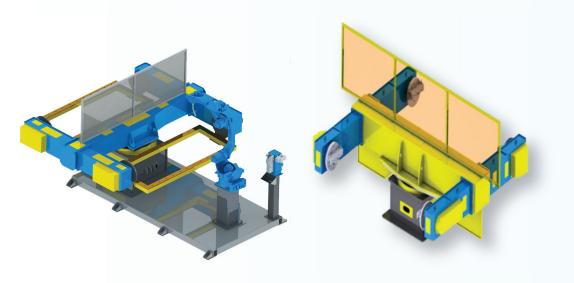




Technical Specification:

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	н	н	Н
13	Weight	about 2200kg	about 4000kg	about 6000kg

8. Three Axis Servo S type Positioner





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)
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

9. Three Axis Servo C type Positioner





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)
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

Robot Linear track







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	SW-X-Z-L- light	SW-X-Z-L- light
		payload track	payload track	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	±0.10m	±0.15m
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)



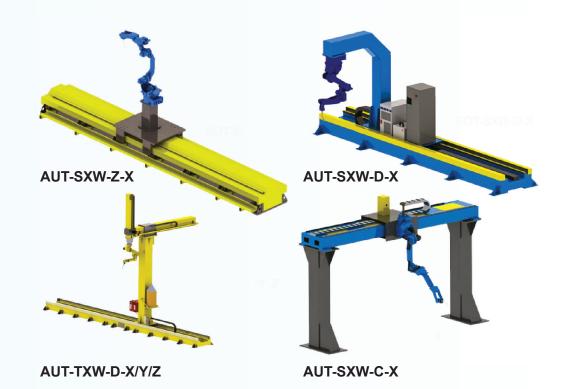


Using a robot linear track (also known as a robot transfer unit or RTU) is a strategic decision that significantly enhances the capabilities and efficiency of automated systems. Instead of being confined to a fixed work envelope, robots mounted on linear tracks gain the ability to move along a defined axis, accessing a much larger workspace and enabling a wider range of tasks.

Why Use a Robot Linear Track?

- Expanded Workspace: Overcome the limitations of a robot's fixed reach. A linear track allows the robot to service multiple workstations, machines, or large parts along the track's length. This is crucial for processes involving long seams, large assemblies, or servicing multiple pieces of equipment.
- Increased Flexibility: Easily adapt your automation system to handle different part sizes and process requirements. Reposition the robot along the track to optimize its location for various tasks.
- Enhanced Productivity: Reduce cycle times by eliminating the need to move large or heavy parts to the robot. The robot can travel to the part, minimizing handling and maximizing throughput.
- Optimized Cell Layout: Create more efficient and compact automation cells by utilizing a linear track to position the robot where it's needed, freeing up valuable floor space.
- Simplified Material Handling: Integrate material handling tasks into the robot's work envelope. The robot can travel along the track to pick up parts from conveyors, load and unload machines, and deliver finished products to designated areas.







Customized gantry system:







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

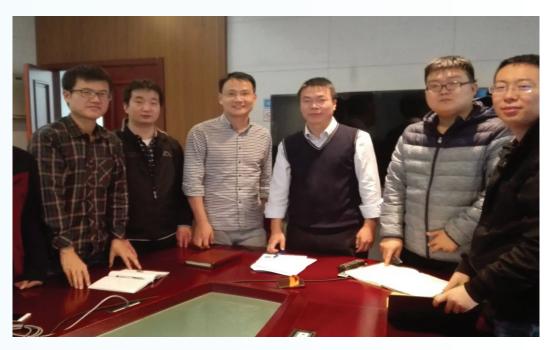
Advantages & Features of Robot Linear Tracks:

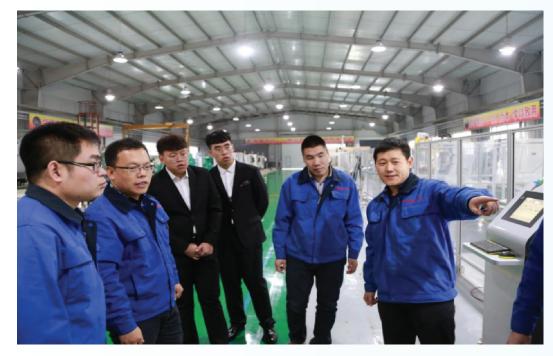
- Increased Reach: Extends the robot's work envelope to cover a larger area.
- **High Precision:** Provides accurate and repeatable positioning along the track.
- **High Payload Capacity:** Designed to support the weight of the robot and its payload.
- Robust Construction: Built to withstand harsh industrial environments
- Seamless Integration: Easily integrates with existing robot controllers and automation systems.
- Customizable Lengths: Available in various lengths to suit specific application requirements.
- Multiple Robot Support (in some configurations): Some advanced systems allow for multiple robots to operate on the same track.
- Reduced Cycle Times: Faster material handling and optimized positioning lead to shorter cycle times.
- Improved Ergonomics: Eliminates the need for manual handling of heavy or awkward parts.
- Enhanced Safety: Reduces the risk of accidents by automating repetitive and potentially dangerous tasks.
- Motion Smoothness: Ensuring smooth movement across the track, reducing vibrations and wear.



R & D team









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.
- 5. Precise Positioning and accommodate various robot models and sizes, making it adaptable to different industrial applications.
- 6. Smooth and Stable Movement and Enhanced Safety Features.
- 7. High Payload Capacity, Increased Productivity and Efficiency.
- 8. Cost-Effective Solution: Investing in a robot positioner and linear track system offers a cost-effective solution for automating industrial processes. By streamlining operations, reducing errors, and improving overall efficiency, the system helps lower production costs, increase output, and improve the return on investment (ROI) in the long run.

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















































