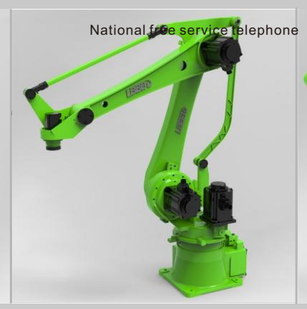
400-0528

National free service telephone






LBBBD

INDUSTRIAL ROBOT

Industrial Robot Model Selection Catalog








DONGGUAN ERBIDI ROBOT CO, LTD.

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Naming Rules

L T 950 A 6

1 2 3 4 5

1

L	Headquarters

2

Code	Model
T	Universal Type
B	Palletizing & Handling Type
H	Welding Type
S	Horizontal Multi-joint Type
P	Complex Type
W	Parallel Type

3

XXX	Active radius

4

Code	Load
A	3KGS
B	6KGS
C	10KGS
D	20KGS
E	50KGS
F	100KGS
G	165KGS
...	

5

Code	Number of axes
4	4-axis
5	5-axis
6	6-axis
...	...

Note:

When the payload is a combination of number and letter, a number followed by a letter indicates multiplication. For example, LT2300-3C-6:

Where 3C=3×10 kg=30 kg; it indicates a general-purpose 6-axis robot with a reach of 2300 mm and a payload of 30 kg.

A number following a letter indicates division. For example, LT850-A3-6:

Where A3=3kg÷3=1 kg; it indicates a general-purpose 6-axis robot with a reach of 850 mm and a payload of 1 kg.



Certificates of Honor

Guangdong high tech products:

Steerable Spraying Manipulator Product model: LP1950-B-6

Awarded Guangdong High-tech Product in 2019

Approval No.: Yue Gao Qi Xie [2019] No. 11

Technical concept:
Constantly improve the process package and upgrade to make the system more compatible.

Guangdong high tech products:

Multi-joint Pelletizing Robot Product model: LB2100-F-4

Awarded Guangdong High-tech Product in 2019

Approval No.: Yue Gao Qi Xie [2019] No. 11

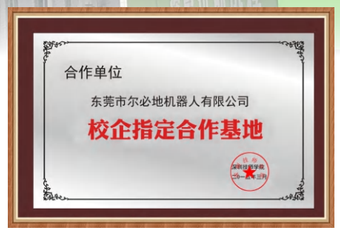
Technical concept:
Constantly update and upgrade to bring the best products to customers

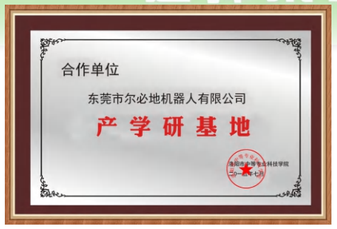


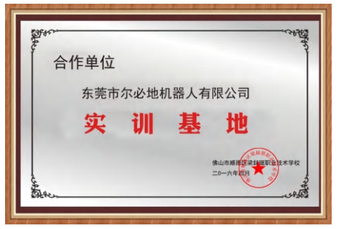


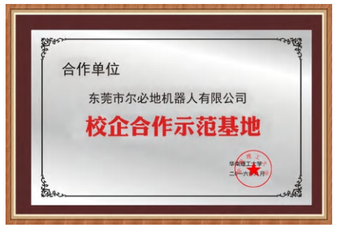


Dongguan Erbidi Robot Co., Ltd. is a high-tech enterprise specializing in R & D, production and sales of industrial robots and automation equipment. It has 32 robots, nearly 100 patented technologies and 5 computer software patents. It is one of the few manufacturers with core robot technology in China. The company focuses on product research and development and has 45 R & D personnel, including 3 doctors and 90% with bachelor degree or above. It won the first prize of Dongguan City and the third prize of Guangdong Province in the fourth innovation and Entrepreneurship Competition. In 2015, it was selected as the national high-tech enterprise cultivation, in 2016, it was rated as the backbone robot enterprise cultivation in Guangdong Province, and in 2017, it won the national high-tech enterprise certificate, In 2020, it won the title of Guangdong Province specialized, special and new enterprise, and in 2021, it won the recognition of Dongguan dengling enterprise. In order to achieve efficient localization service, the company has gradually improved its after-sales service outlets, set up subsidiaries in Hunan and Ningbo, and set up technical service centers in Shandong, Hebei, Tianjin and Chongqing.









ISO Certification of Quality Management System





CORPORATE CULTURE



Our history:

In 2014, Erbidi became a member of Dongguan Robotic Industries Association;

In 2015, Erbidi was awarded an outstanding enterprise at “Zhujiang Angel Cup Innovation Competition”;

In 2015, Erbidi was awarded the third prize at “Intelligent Robot Competition”;

In 2015, our 9-axis robot was awarded at “Win in Dongguan”;

In 2015, Erbidi was awarded “Guangdong Excellent Enterprise”;

In 2015, “Hunan Subsidiary R&D Center” was established;

In 2016, “East China Service Network” was established;

In 2016, Erbidi became a council member of China Robot Industry Alliance;

In 2016, Erbidi was enrolled in Guangdong robot enterprise cultivation plan; I

n 2016, Erbidi was awarded 7 national certificates of honor;

In 2017, Erbidi was awarded “National High-tech Enterprise”;

In 2020, Erbidi was awarded "Guangdong Province specialized, special and new";

In 2021, Erbidi was awarded ″Dongguan dengling enterprise”;

We expect your participation in the future...













ENTERPRISE MISSION

Our mission:
Make your work and life easier and happier
Erbidi focuses on core technology R&D
High-quality robots made in China are the objectives Erbidi has always pursued

Quality policy:
Pursue outstanding quality Show the essence of the company





LT General-purpose Series Robots

TR1006A-063

Payload		6KG
Reach		630mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+120°/-60°
	Axis 3	+62°/-80°
	Axis 4	+175°/-140°
	Axis 5	+30°/-205°
	Axis 6	±360°
Max. speed	Axis 1	225°/sec
	Axis 2	225°/sec
	Axis 3	225°/sec
	Axis 4	225°/sec
	Axis 5	225°/sec
	Axis 6	225°/sec
Weight		≈55kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C ~ 45°C



Main Applications

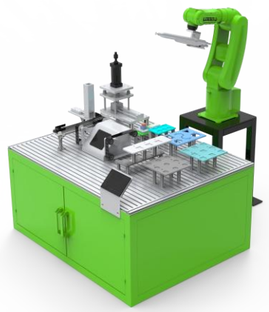
Material handling, component transmission, machine management, testing, gluing, assembly

Applicable Cases

Experimental teaching platform

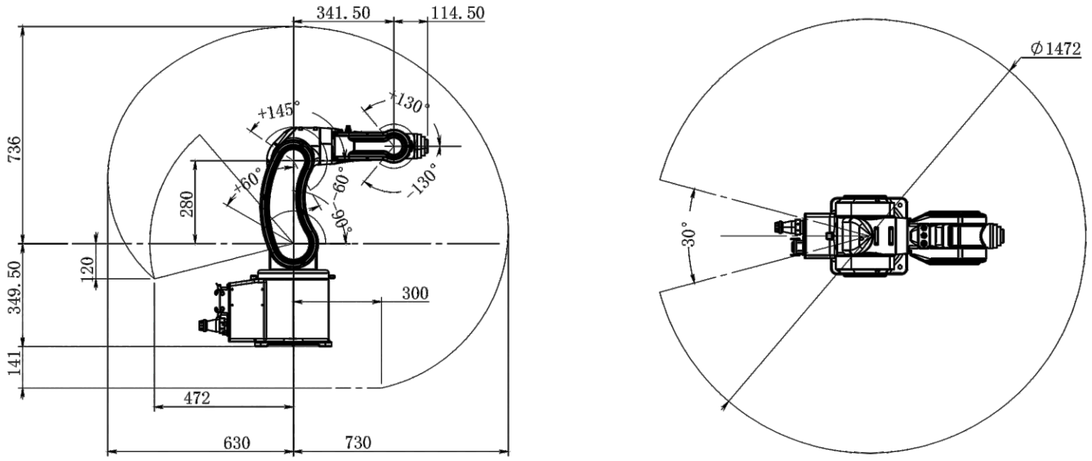
TR1006A-063 is a small desktop level robot with a short work cycle, reliable operation, and high cost-effectiveness. Widely used in various teaching and experimental platforms, as well as in maintenance and disassembly internship courses for students.

The picture shows a customer's teaching experimental platform, which, in conjunction with computer vision

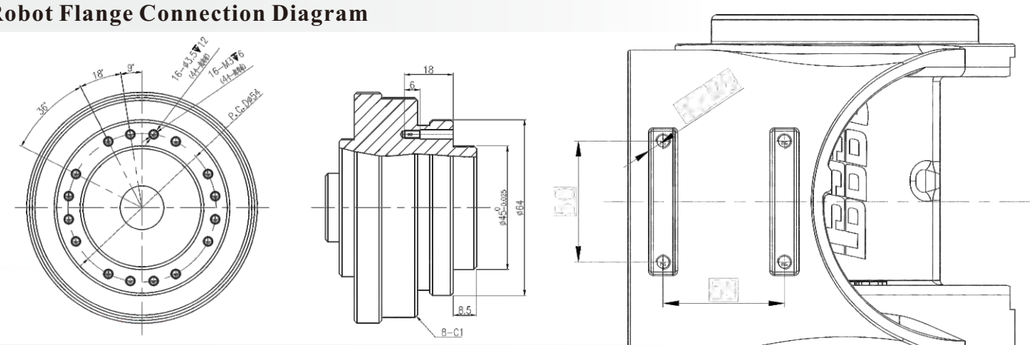


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

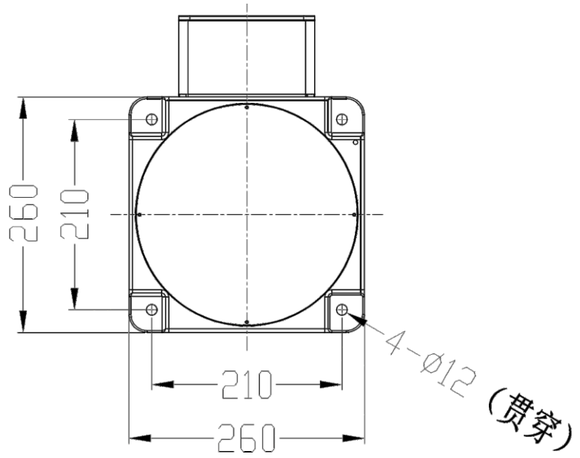
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1006A-075

Payload		6KG
Reach		750mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-70°
	Axis 3	+75°/-80°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	222°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		~80.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C~45°C



Main Applications

Material handling, component transmission, welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

Loading and unloading handling

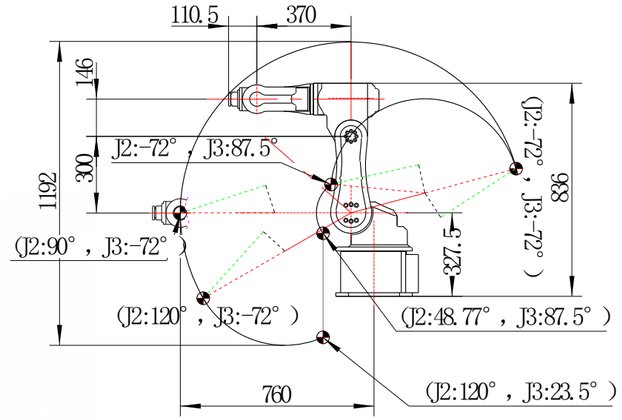
It is a small desktop level robot with a short work cycle, reliable operation, and high cost-effectiveness. Widely used in various loading and unloading, handling, spraying teaching, etc.

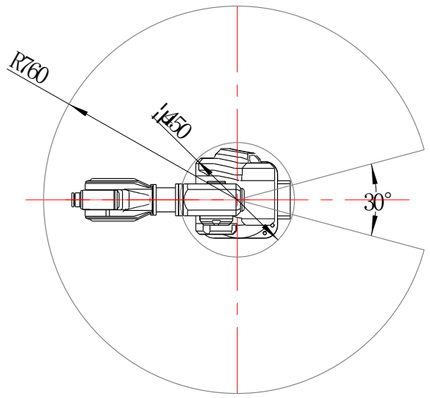
The picture shows an application case of loading and unloading materials for a customer's Tiandi box.



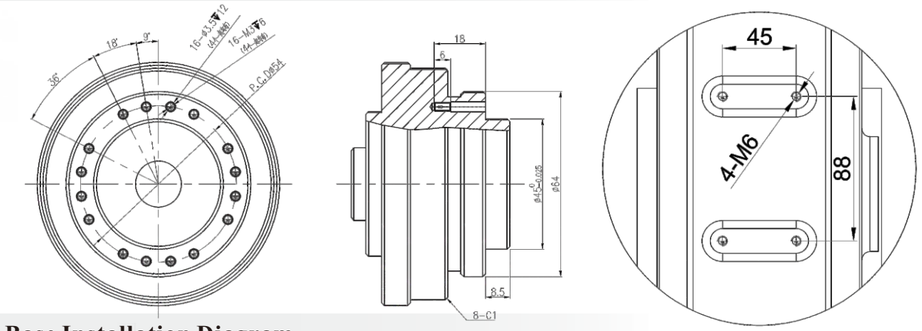
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

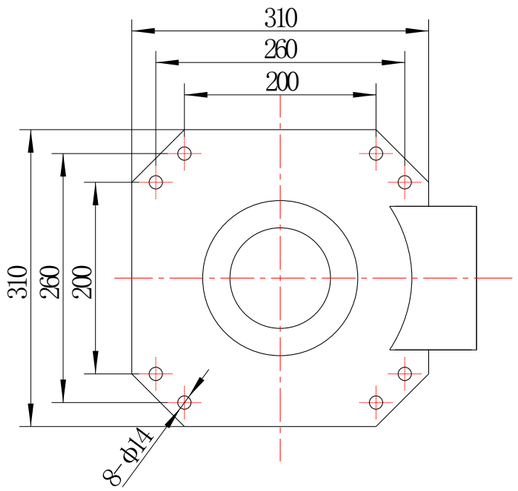




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1006A-095

Payload		6KG
Reach		950mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-70°
	Axis 3	+75°/-80°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈88.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

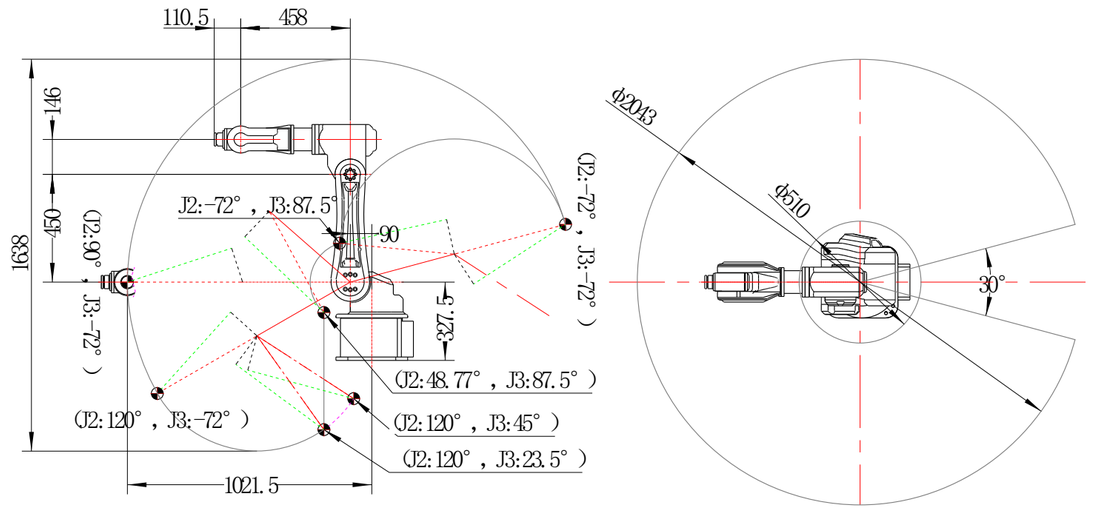
Loading and unloading handling on the assembly line

It is a small robot with a short work cycle, reliable operation, and high cost-effectiveness. Having been tested in previous industrial applications, it has outstanding performance, high added value, and fast return on investment, which can help you significantly improve production efficiency.

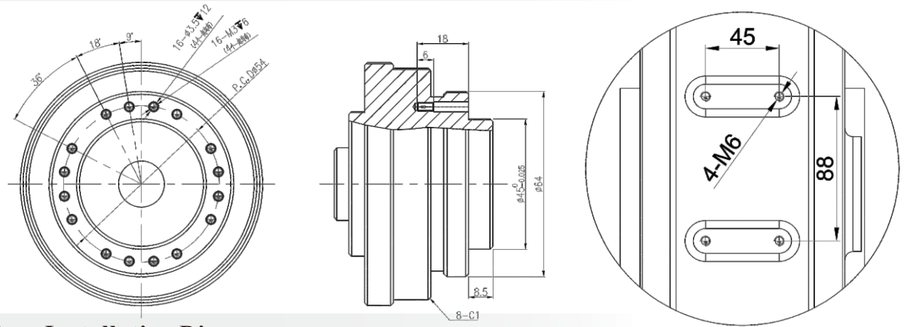


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

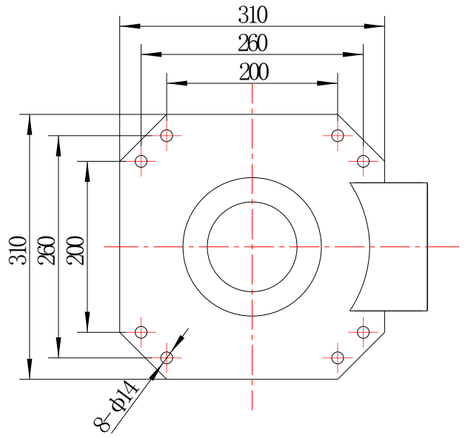
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1006A-099

Payload		6KG
Reach		990mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+120°/-60°
	Axis 3	+62°/-80°
	Axis 4	+175°/-140°
	Axis 5	+30°/-205°
	Axis 6	±360°
Max. speed	Axis 1	225°/sec
	Axis 2	225°/sec
	Axis 3	225°/sec
	Axis 4	225°/sec
	Axis 5	225°/sec
	Axis 6	225°/sec
Weight		≈60.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

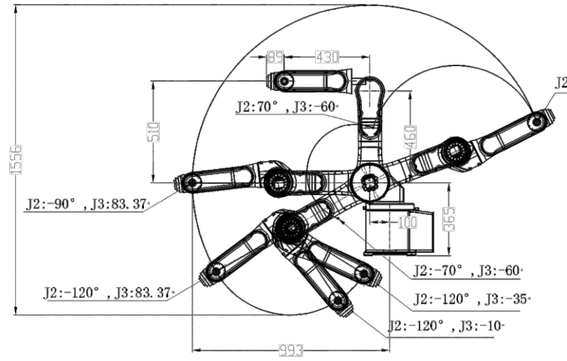
Teaching experimental platform

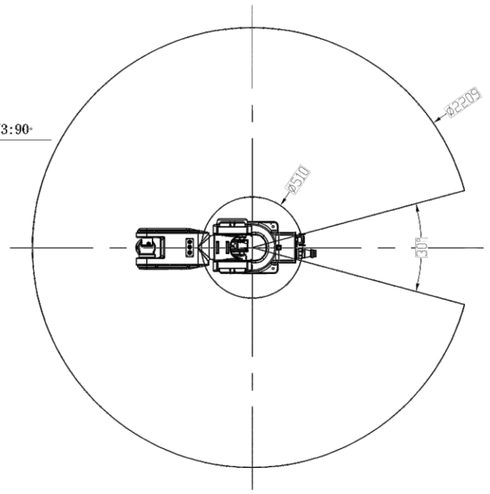
It is a small desktop level robot with a short work cycle, reliable operation, and high cost-effectiveness. Widely used in various teaching and experimental platforms, as well as in maintenance and disassembly internship courses for students.

The picture shows a customer's teaching experimental platform, which, in conjunction with computer vision recognition, completes the classification and placement of materials.

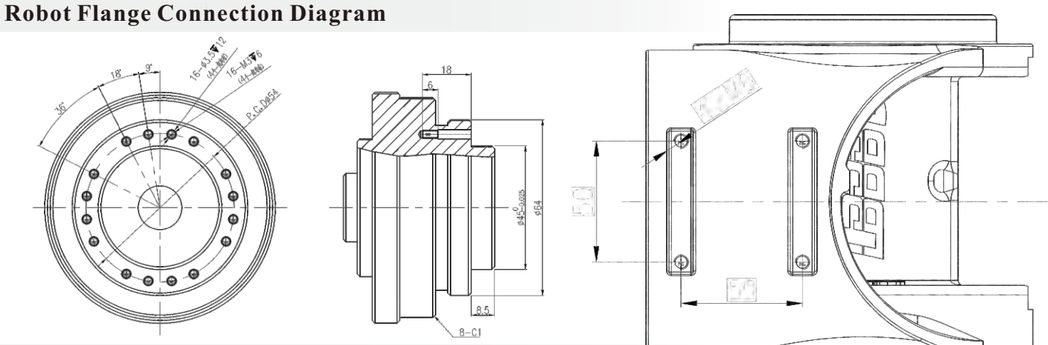


Diagram of Robot Motion Range

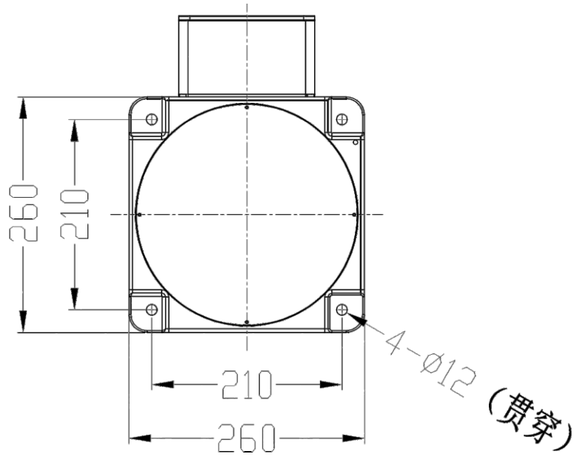




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1010A-100

Payload		10KG
Reach		1000mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-58°
	Axis 3	+80°/-85°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈130kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

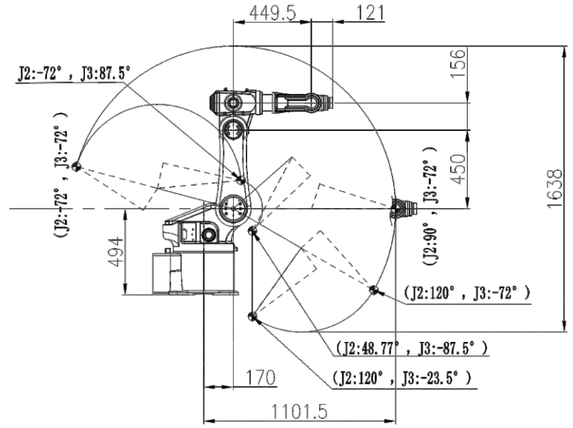
Loading and unloading on CNC lathes

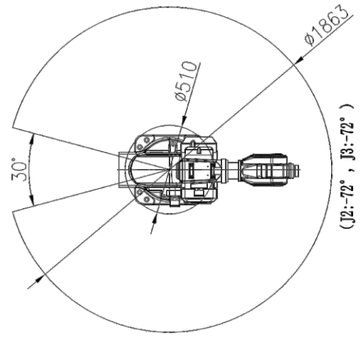
The picture shows the CNC lathe automatic loading and unloading solution provided by our company to a customer. A robotic arm combined with an assembly line can take care of two opposing CNC machine tools, saving a lot of labor and time costs, greatly improving the production efficiency of customers.



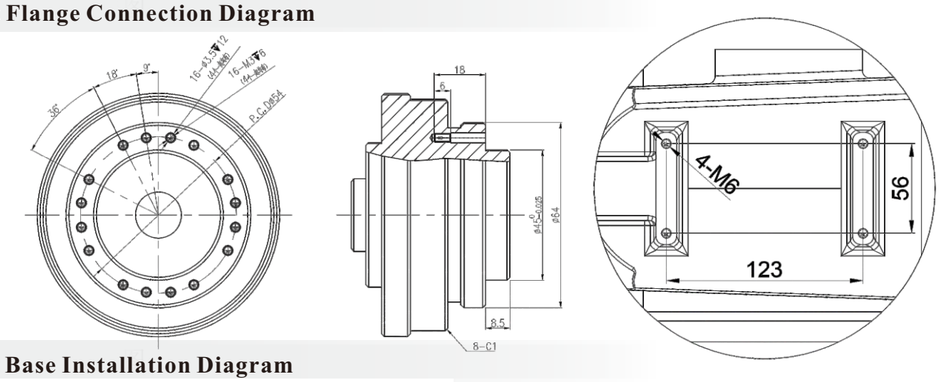
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

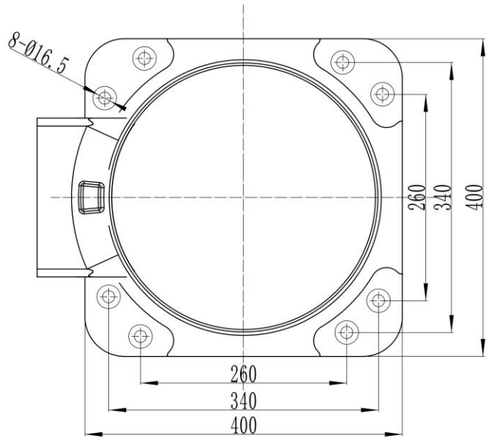




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1010A-150

Payload		10KG
Reach		1500mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-58°
	Axis 3	±85°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈138.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

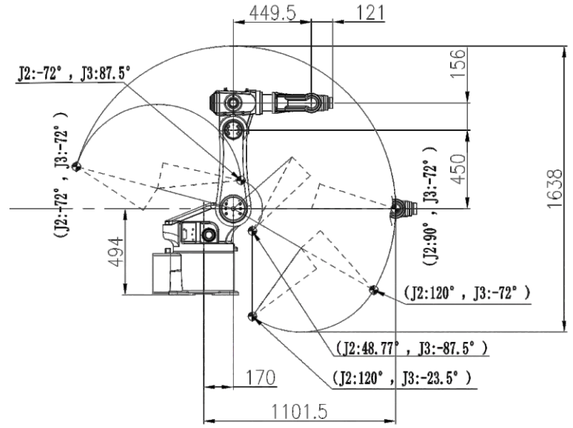
Loading and unloading on CNC lathes

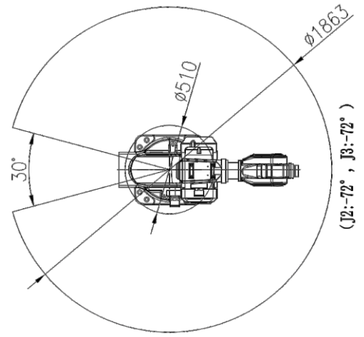
The picture shows the CNC lathe automatic loading and unloading solution provided by our company to a customer. A robotic arm combined with an assembly line can take care of two opposing CNC machine tools, saving a lot of labor and time costs, greatly improving the production efficiency of customers.



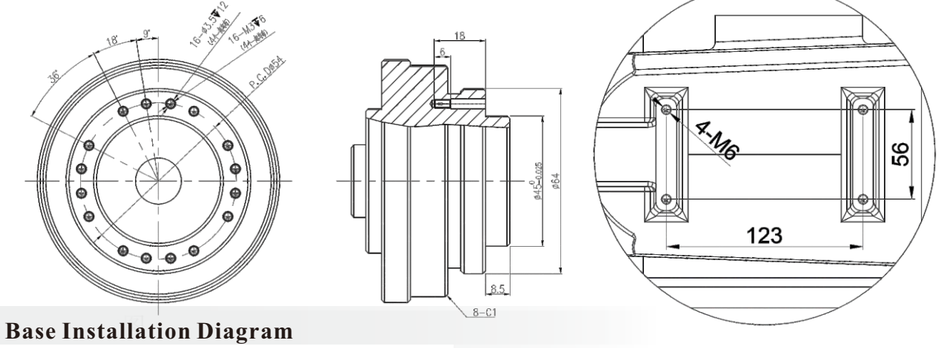
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

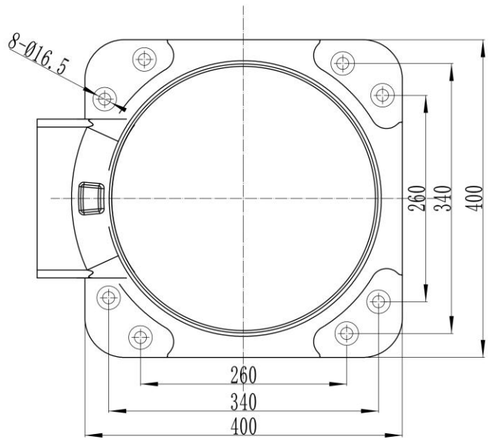




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1020A-150

Payload		20KG
Reach		1500mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-70°
	Axis 3	±85°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈155kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

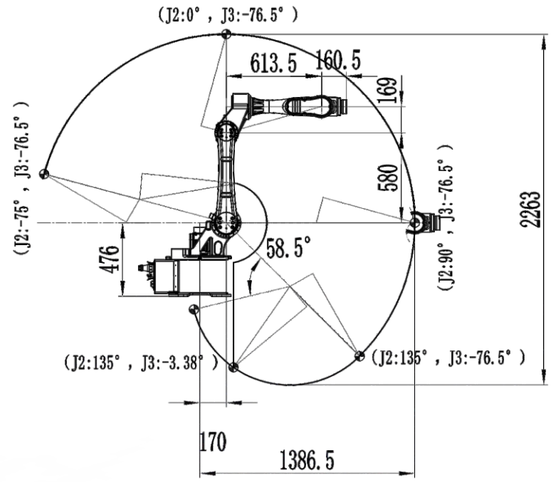
Loading and unloading for stamping

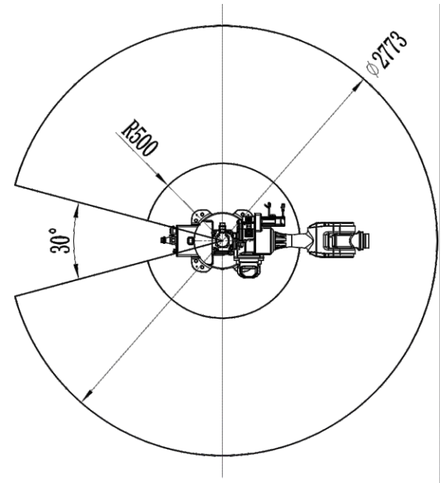
The picture shows the automatic loading and unloading solution provided by our company for a customer on stamping machines. Multiple robotic arms working together with the assembly line can save a lot of labor and time costs, greatly improving the production efficiency of customers.



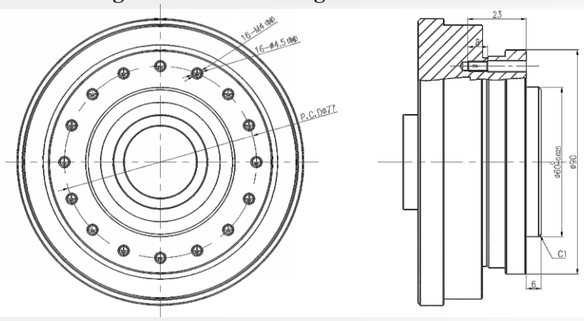
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

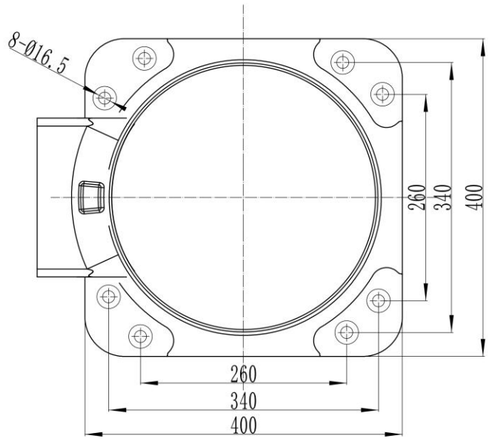




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1020A-185

Payload		20KG
Reach		1850mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-60°
	Axis 3	+60°/-88°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈226.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

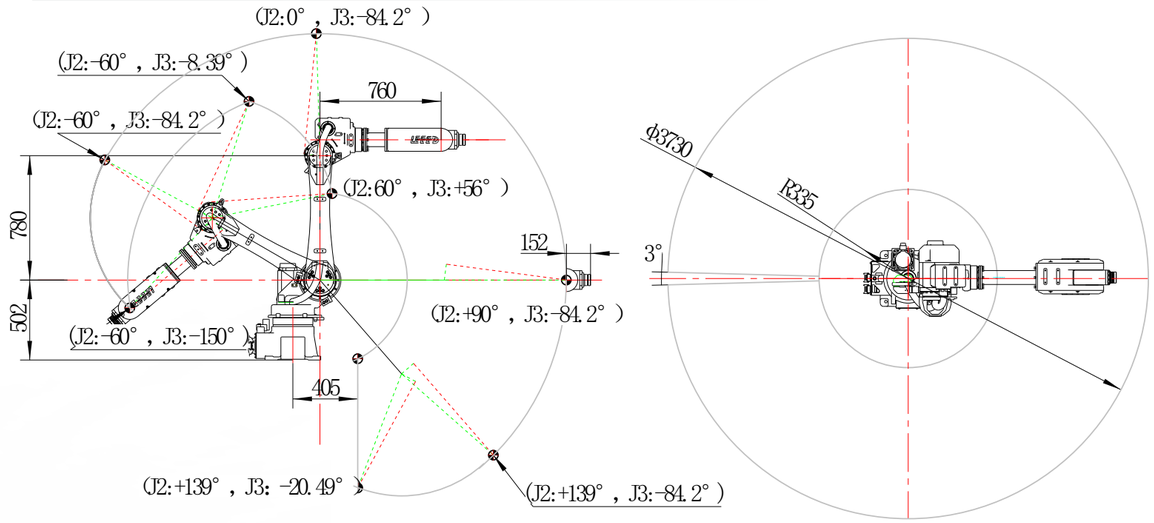
Loading and unloading on CNC lathes

It has a load of 20kg and is widely used in handling, spraying, machine tool loading and unloading, screw tightening, and mucosal applications. A six axis joint robotic arm can work efficiently independently in a modular production process.

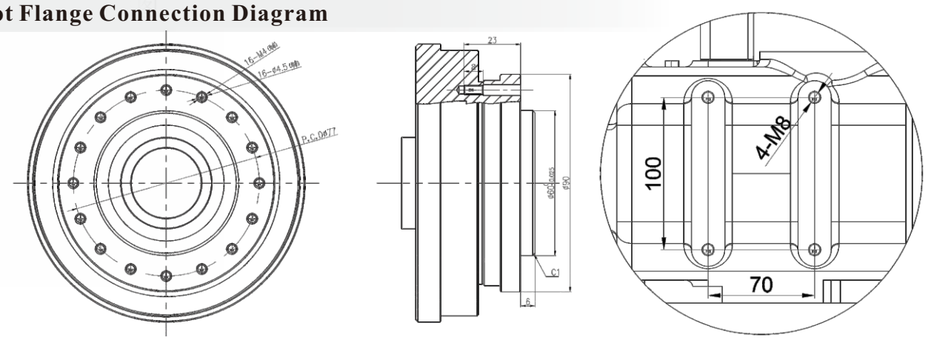


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

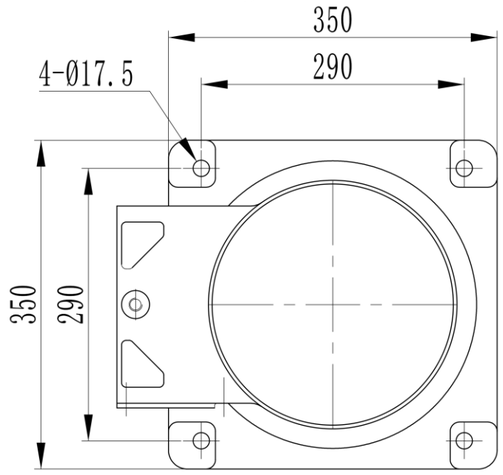
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1030A-185

Payload		30KG
Reach		1850mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-60°
	Axis 3	+60°/-88°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈250kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

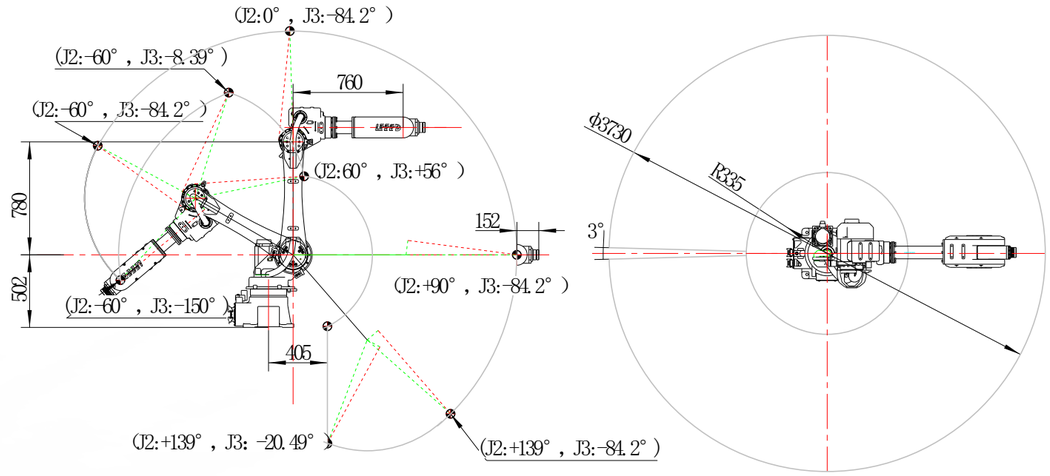
Loading and unloading on NC lathe

The robot has a payload of 30 kg and is widely used in h ndling, painting, loading and unloading for machine tools, screw tightening, surface mounting and other applications. One 6-axis robot can work independently and efficiently in cellular manufacturing processes. The figure shows the loading and unloading of small precision parts for a lathe of a customer.

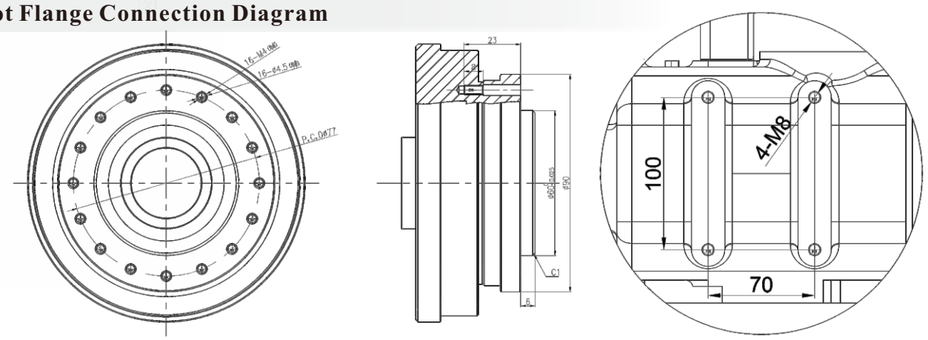


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

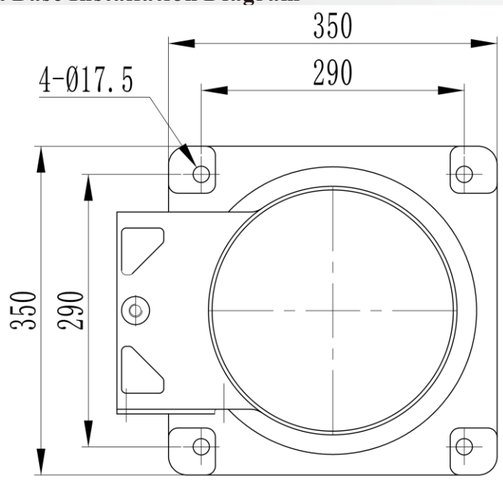
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1010A-210

Payload		10KG
Reach		2100mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-60°
	Axis 3	+60°/-88°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈261kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, electric welding, machine management, stacking, packaging, testing, deburring, grinding, gluing, assembly, spraying

Applicable Cases

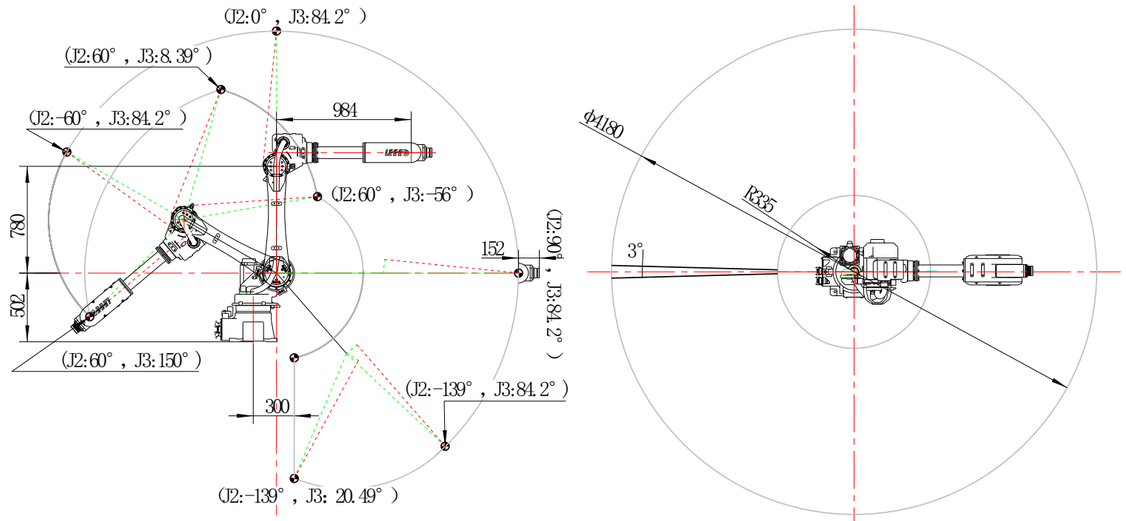
Working in the production workshop

The picture shows the assembly line provided by our company for a customer. One robot simultaneously replaces multiple on-site operators, saving production costs, improving efficiency, and enhancing the consistency of product appearance for the enterprise.

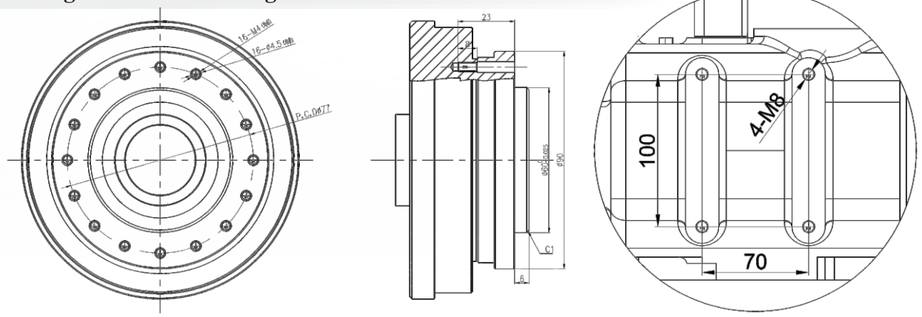


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

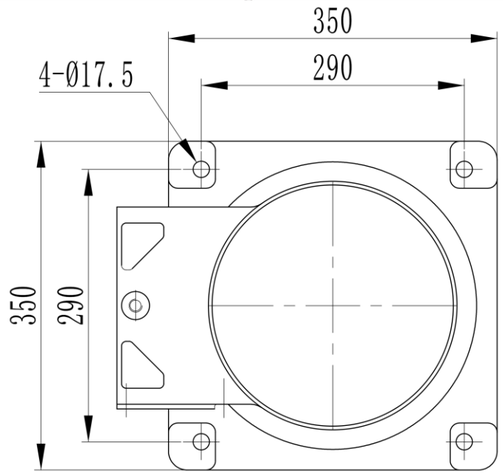
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1050A-210

Payload		50kg
Reach		2100mm
Structure		Articulated
Number of axes		6
Repeatability		±0.08mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-80°
	Axis 3	+45°/-60°
	Axis 4	±175°
	Axis 5	+20°/-190°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈528kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Loading and unloading of heavy-duty cables

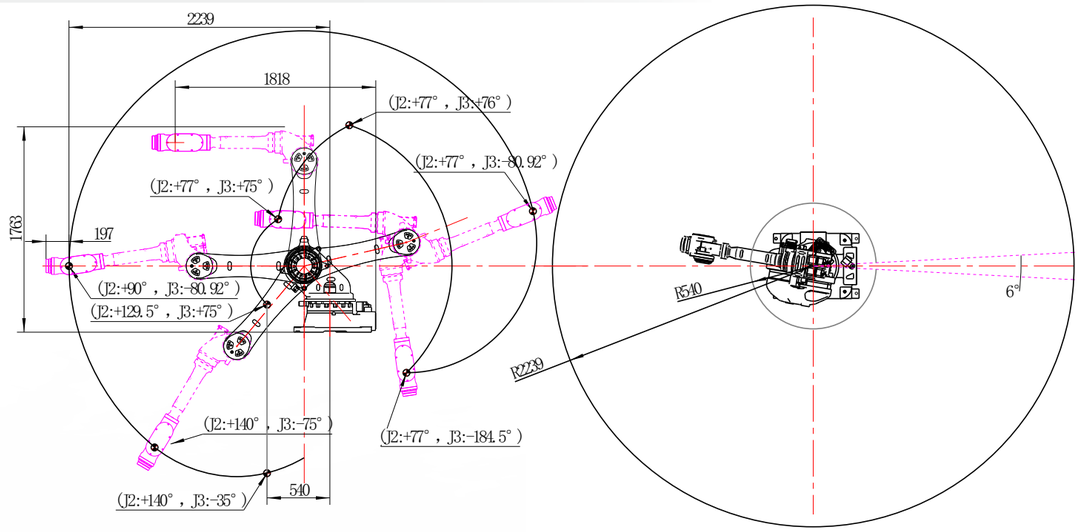
It has a load of 50kg, making it the largest six axisarticul obot currently available.

The picture shows a customer using this type of robot produc our company for heavy material loading and unloading.

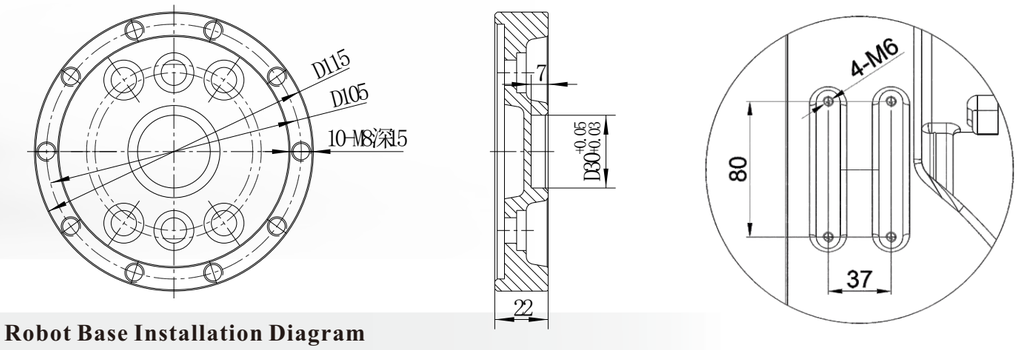


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

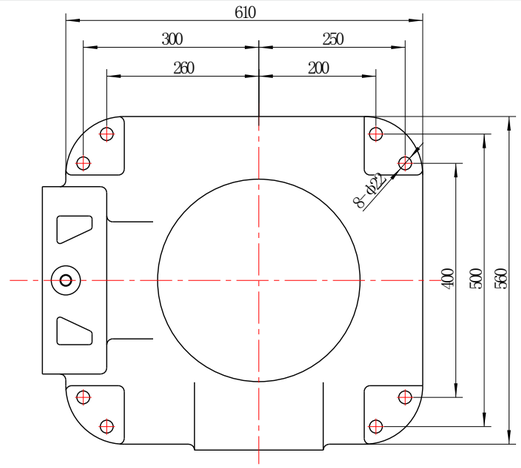
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1070A-210

Payload		70kg
Reach		2100mm
Structure		Articulated
Number of axes		6
Repeatability		±0.08mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-80°
	Axis 3	+45°/-60°
	Axis 4	±175°
	Axis 5	+20°/-190°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈526kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Loading and unloading of heavy-duty cables

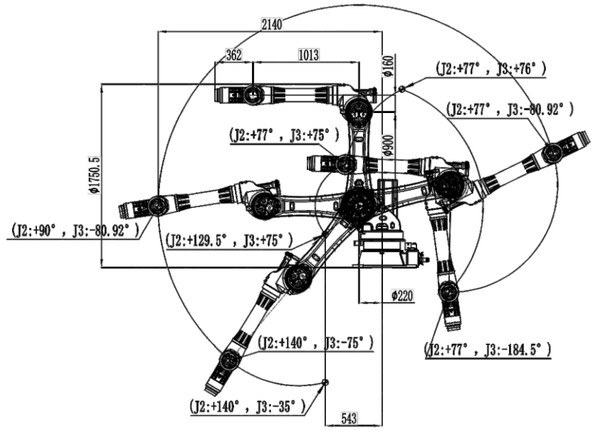
It has a load of 70kg, making it the largest six axisarticula obot currently available.

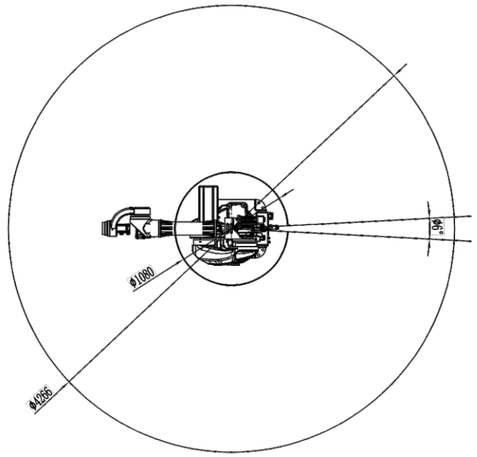
The picture shows a customer using this type of robot produc our company for heavy material loading and unloading.



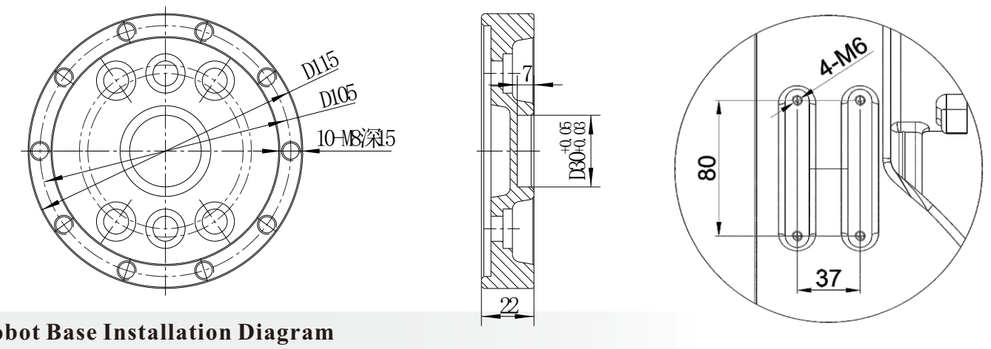
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

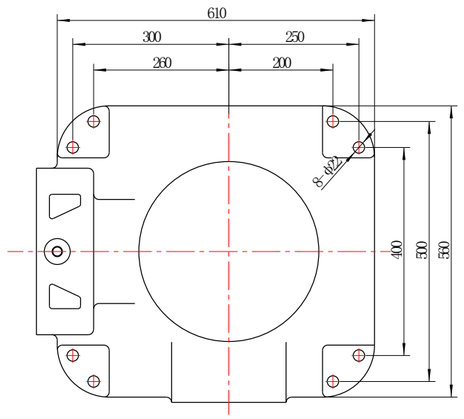




Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1030A-230

Payload		30kg
Reach		2300mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-80°
	Axis 3	+45°/-60°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	180°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈700kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

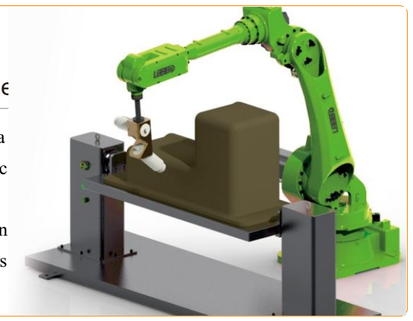
Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Punching and deburring of irregular workpiece

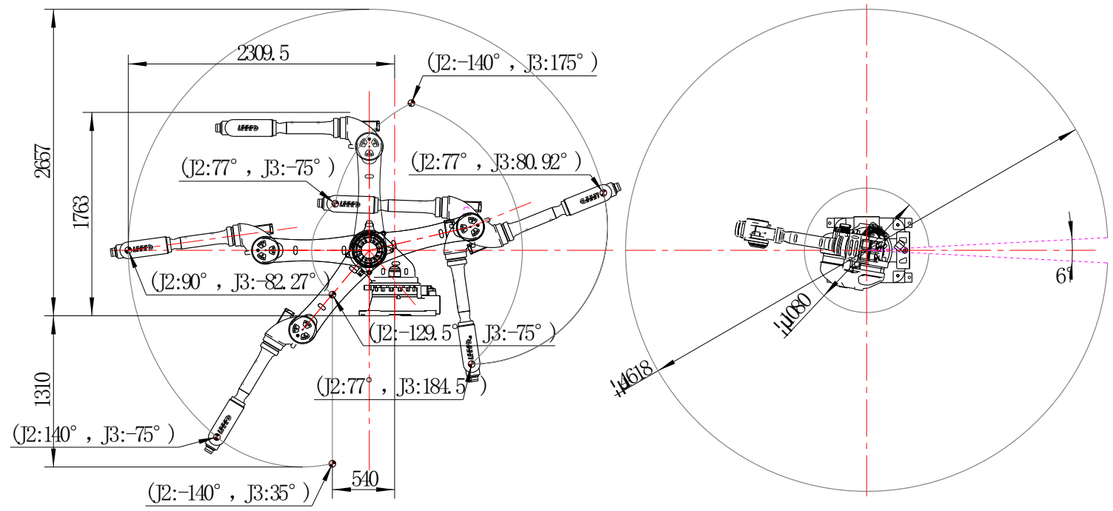
It is a newly developed robotic arm by our companywith a loa d of 30kg. The body has high rigidity and certain loadredundanc y.

The picture shows the integrated polishing and perforation solution provided by our company to a customer, which greatly considers the diverse product types on site.

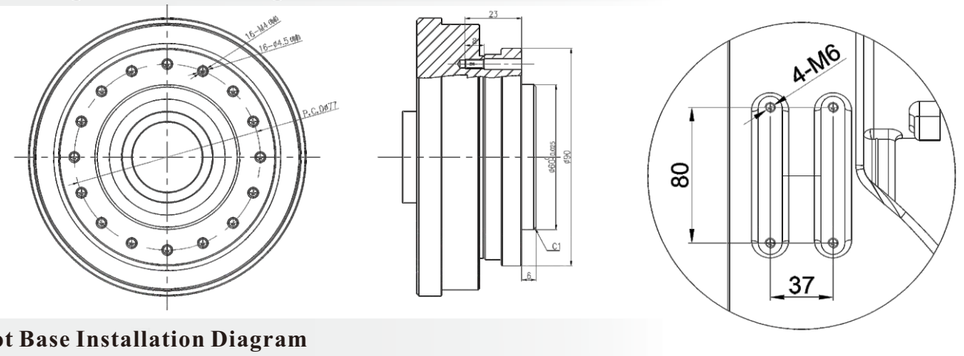


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

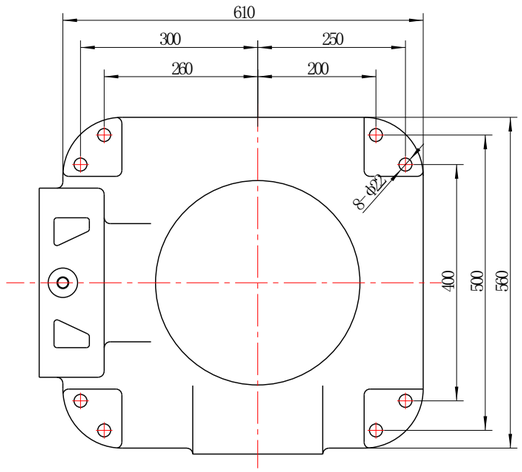
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LT General-purpose Series Robots

TR1030A-295

Payload		30kg
Reach		2950mm
Structure		Articulated
Number of axes		6
Repeatability		±0.08mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-80°
	Axis 3	+45°/-60°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	180°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	222°/sec
Weight		≈700kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



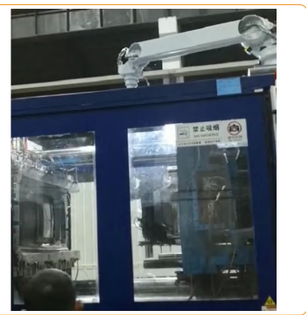
Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

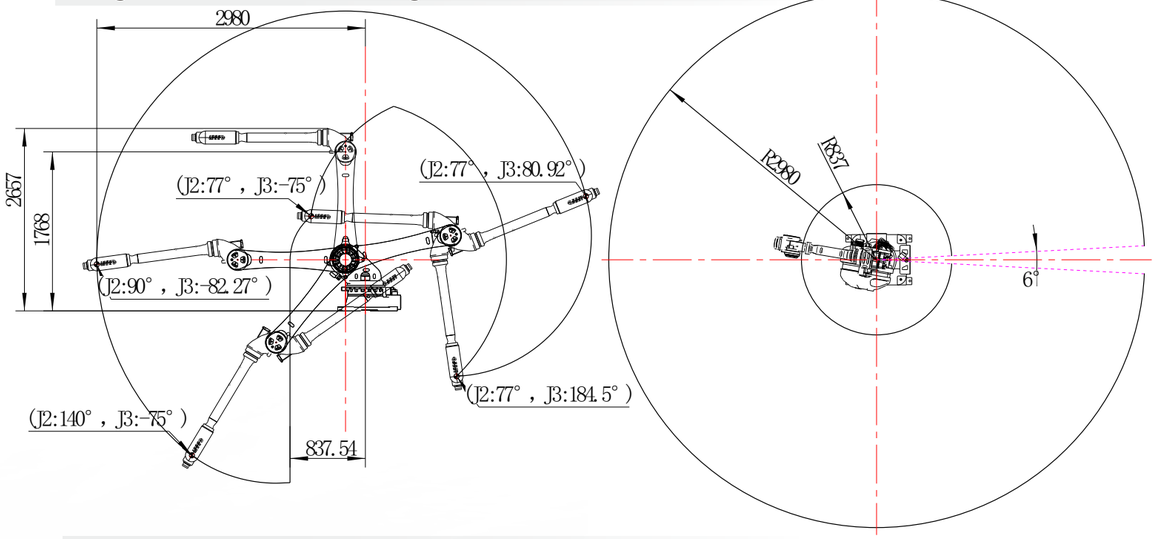
Material retrieval for large injection molded parts

It is a newly developed robotic arm by our company with a load of 30kg Large range of motion.
The picture shows the machine provided by our company for a customer to perform large-scale injection molding parts The pictures of the material collection site can fully meet the production rhythm and requirements of large injection molding machines art requirements.

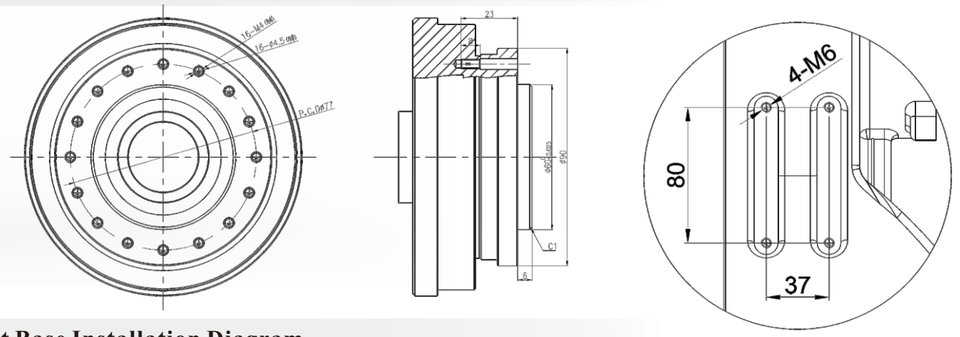


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

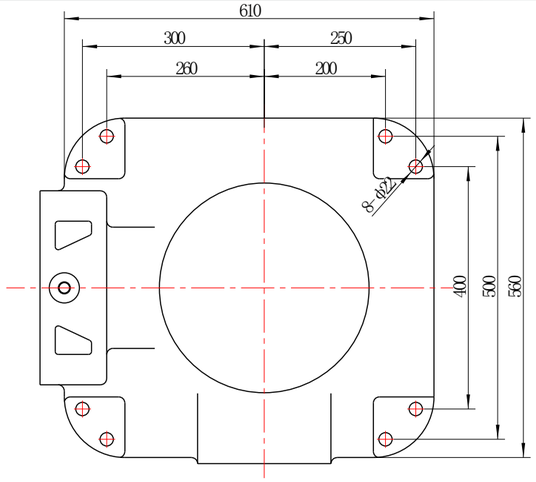
Diagram of Robot Motion Range



Robot Flange Connection Diagram



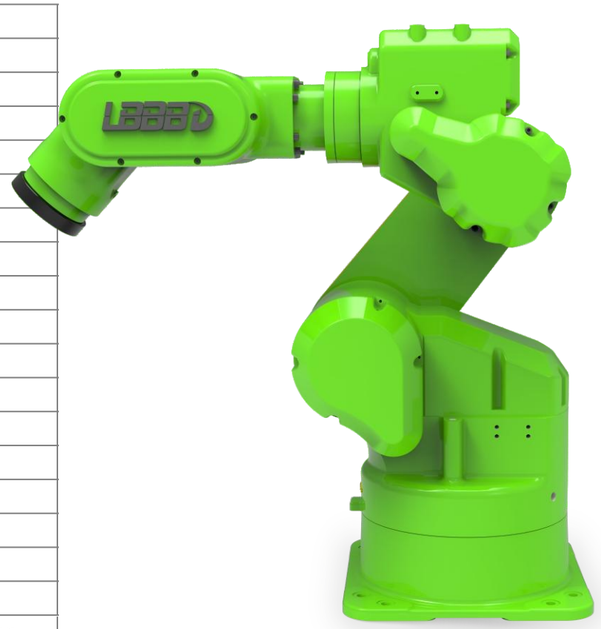
Robot Base Installation Diagram



LM Grinding Series Robots

TR1050A-100

Payload		50kg
Reach		1000mm
Structure		Articulated
Number of axes		6
Repeatability		±0.08mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-55°
	Axis 3	+55°/-88°
	Axis 4	±175°
	Axis 5	+20°/-190°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	148°/sec
	Axis 6	148°/sec
Weight		≈180kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



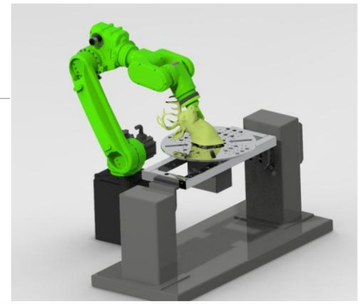
Main Applications

Grinding, polishing, deburring

Applicable Cases

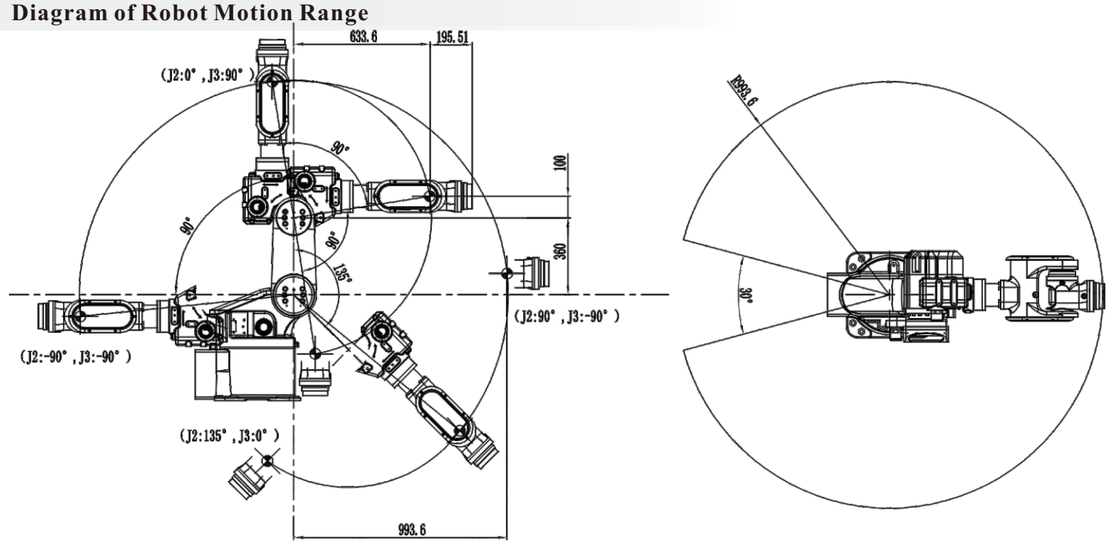
Grinding of spherical parts

It is a newly developed robotic arm by ourcompany with a load of 50kg and a wide range of motion.
The picture shows a case of spherical polishing using this machine. The model has a built-in polishing process package, which can conveniently complete the polishing tasks delivered by customers.

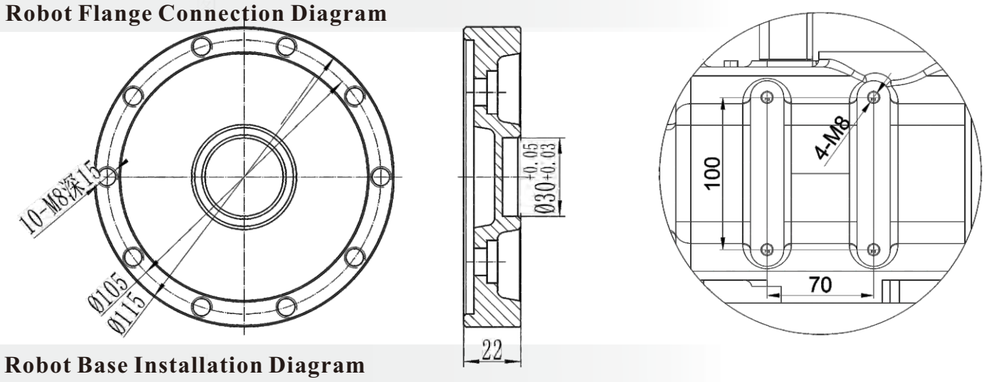


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

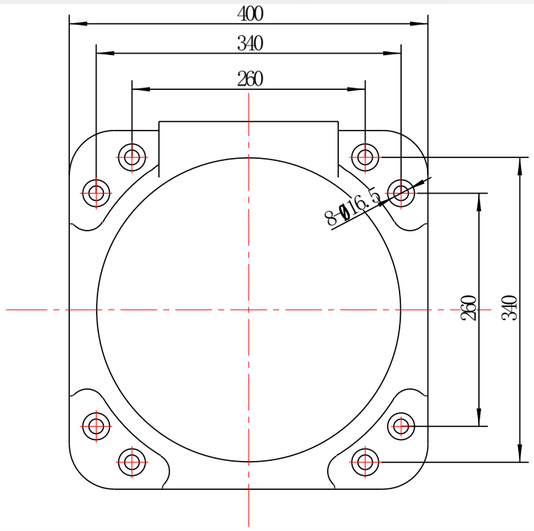
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LM Grinding Series Robots

TR1030A-140

Payload		30kg
Reach		1400mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-55°
	Axis 3	+55°/-88°
	Axis 4	±175°
	Axis 5	+20°/-190°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	148°/sec
Weight		≈185kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C ~ 45°C



Main Applications

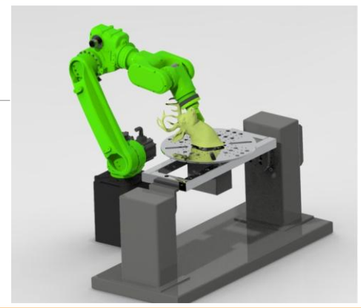
Grinding, polishing, deburring

Applicable Cases

Grinding of spherical parts

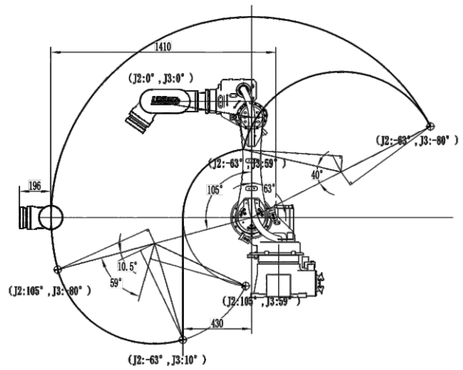
It is a newly developed robotic arm by ourcompany with a load of 50kg and a wide range of motion.

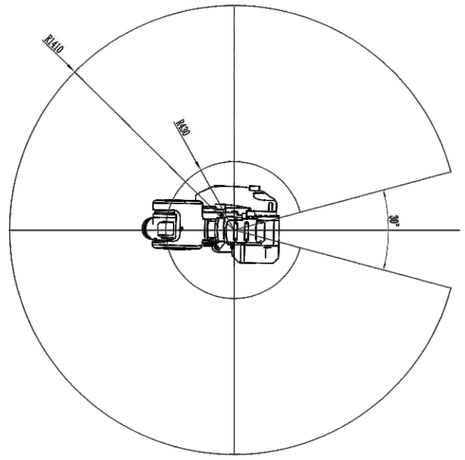
The picture shows a case of spherical polishing using this machine. The model has a built-in polishing process package, which can conveniently complete the polishing tasks delivered by customers.



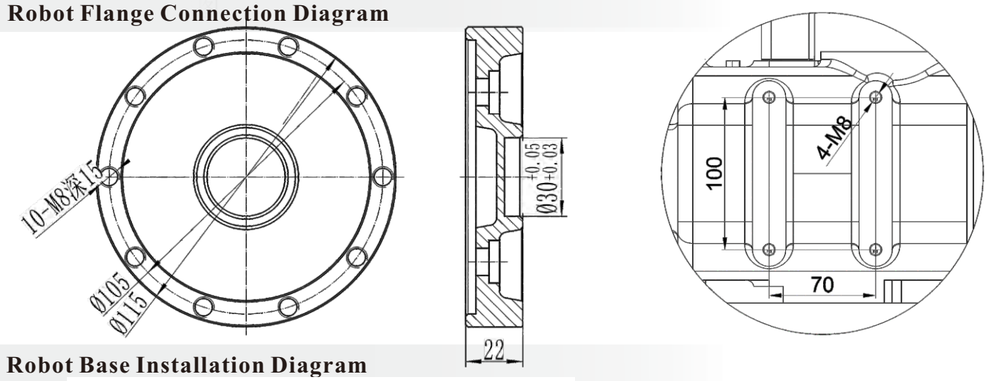
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

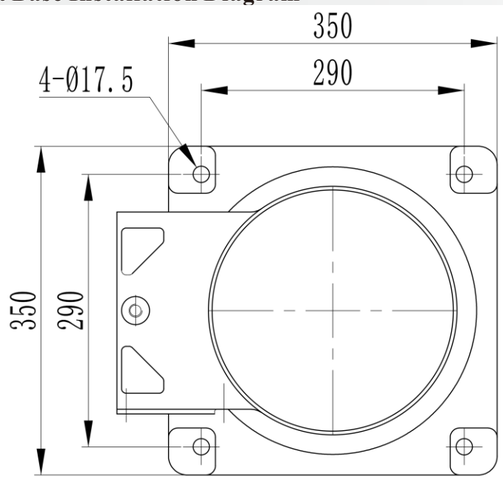




Robot Flange Connection Diagram



Robot Base Installation Diagram



LM Grinding Series Robots

TR1030A-185

Payload		30kg
Reach		1850mm
Structure		Articulated
Number of axes		6
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-55°
	Axis 3	+55°/-88°
	Axis 4	±175°
	Axis 5	+20°/-190°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	148°/sec
Weight		≈270kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C～45°C



Main Applications

Grinding, polishing, deburring

Applicable Cases

Drilling and deburring of irregular workpieces

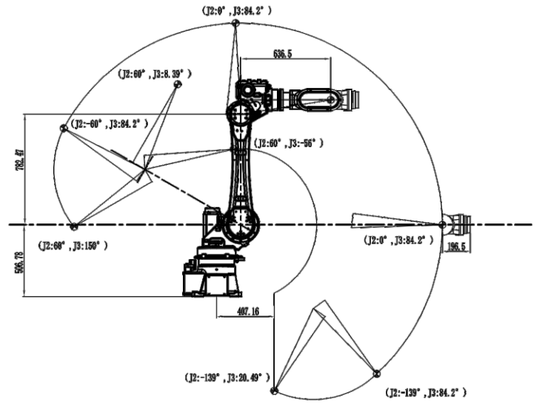


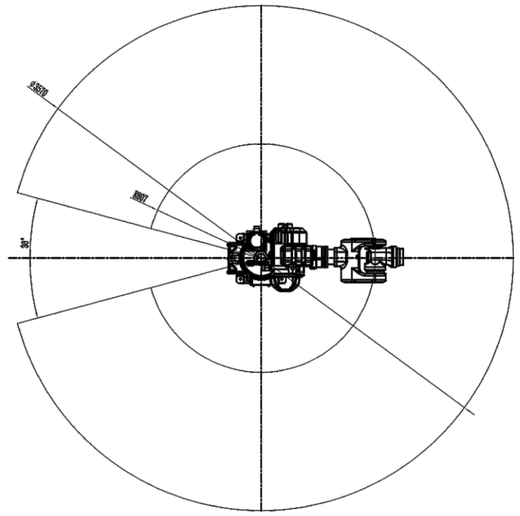
It is a 30kg manipulator newly developed by ourcompany, with a large range of motion.

The right figure shows a case of spherical grinding of this machine provided by our company for a customer. The machine has a built-in grinding process package, which can easily complete the grinding task delivered by the customer.

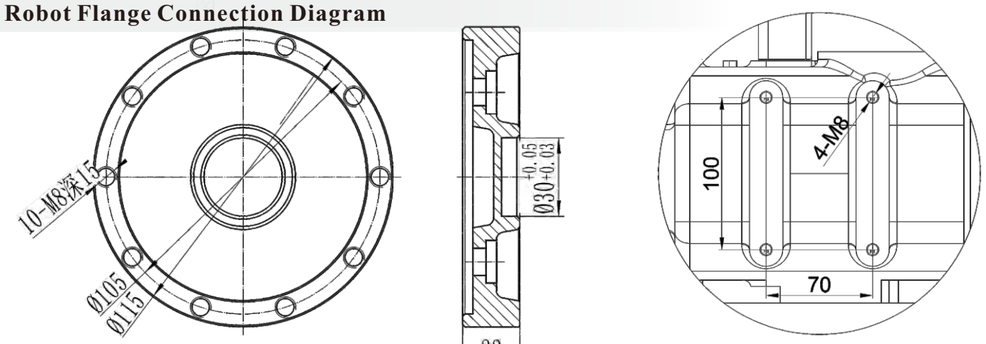
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

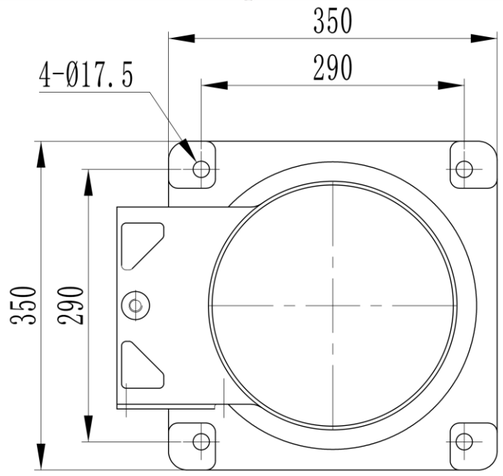




Robot Flange Connection Diagram



Robot Base Installation Diagram



LBG1000-B-4 Palletizing Robot

UIR1000B

Payload		6kg
Reach		1000mm
Structure		Articulated
Number of axes		4
Repeatability		±0.2mm
Max. motion range	Axis 1	±165°
	Axis 2	+80°/-35°
	Axis 3	+80°/-35°
	Axis 4	±360°
	Axis 5	————
	Axis 6	————
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	222°/sec
	Axis 4	360°/sec
	Axis 5	————
	Axis 6	————
Weight		≈60KG
Mounting type		Ground, bracket, ceiling
Ambient temperature		5°C ~ 45°C
Ambient humidity		5% ~ 45% No condensation



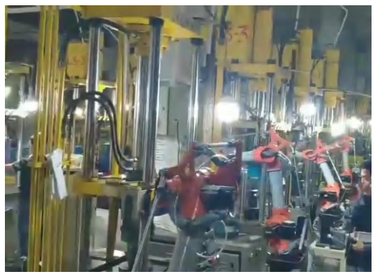
Main Applications

Material handling, parts transmission, machine management, stacking, packaging and testing

Applicable Cases

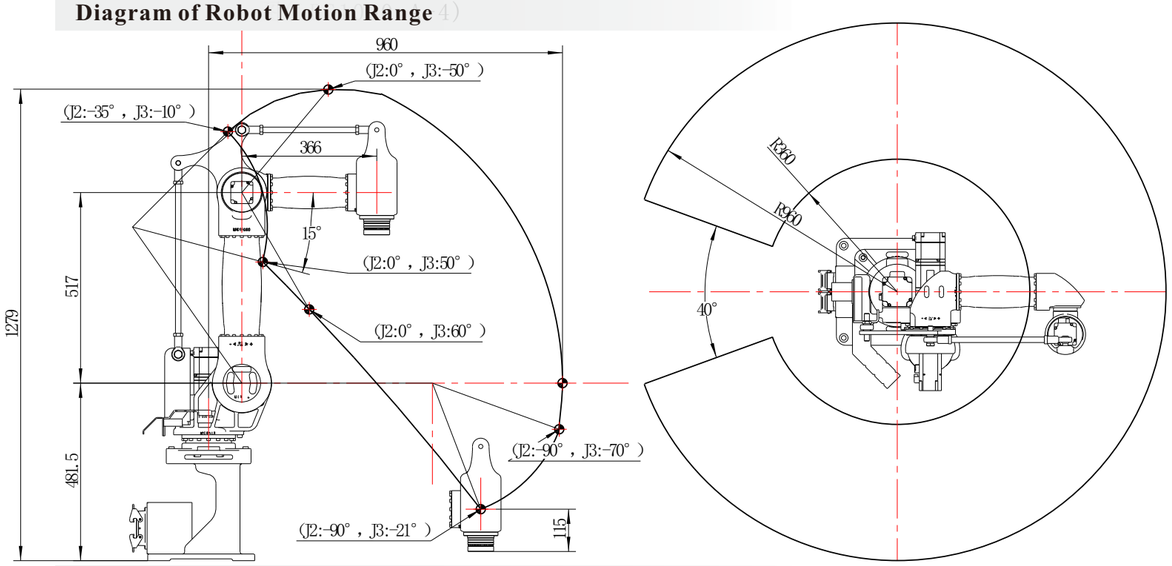
Loading and unloading of small stamping parts

It is a 6kg light manipulator newly developed by our company, wi th a large range of motion. The picture on the right is the on-site feedi ng and unloading picture of the machine in the stamping workshop pr ovided by the company for a customer. Due to its light structure and fast speed, it is fully capable of meeting the rhythm and process requi rements of ordinary stamping machines.

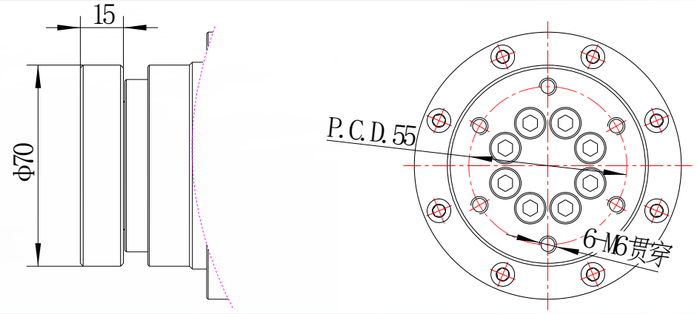


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

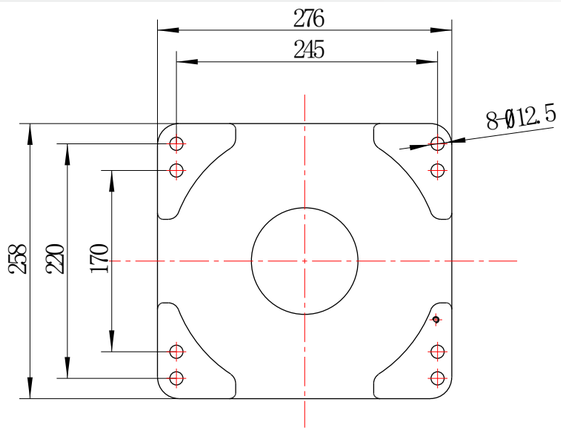
Diagram of Robot Motion Range



Robot Flange Connection Diagram



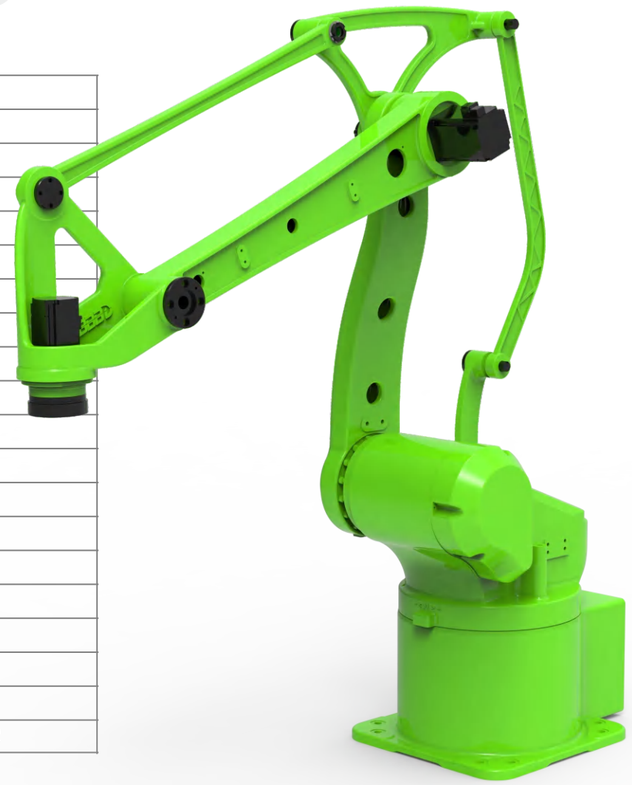
Robot Base Installation Diagram



LB Handling Series Robots

TR1010B-150

Payload		10kg
Reach		1500mm
Structure		Articulated
Number of axes		4
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+80°/-35°
	Axis 3	+65°/-60°
	Axis 4	±360°
	Axis 5	------
	Axis 6	------
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	------
	Axis 6	------
Weight		≈157KG
Mounting type		Horizontal
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Loading and unloading for stamping

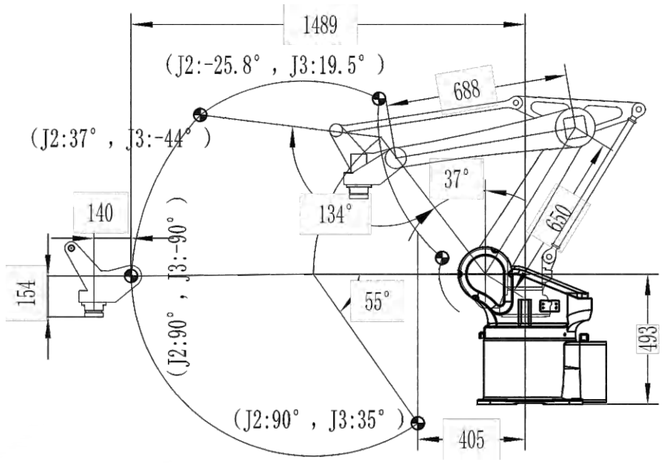
It has a load of 10kg and is suitable for material ha ndling, stamping, loading and unloading, etc.

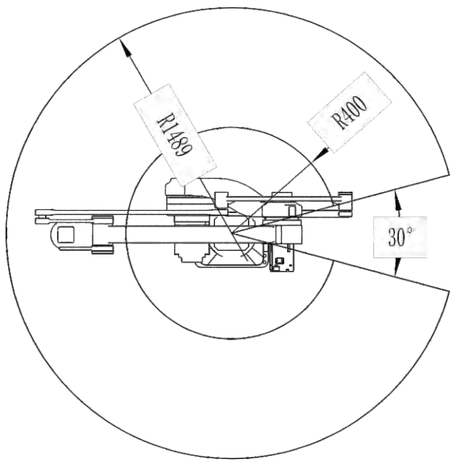
The picture shows the working site of the punching machine assembly line, where the robot can perform a large range of loading and unloading in a small environment, greatly improving production



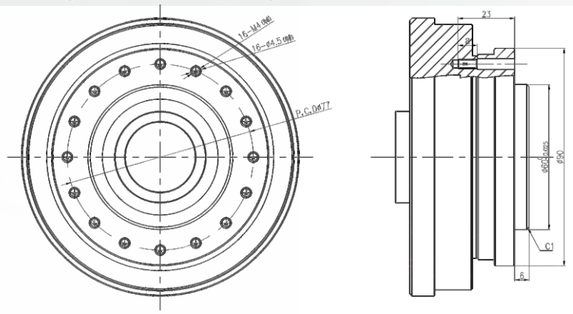
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

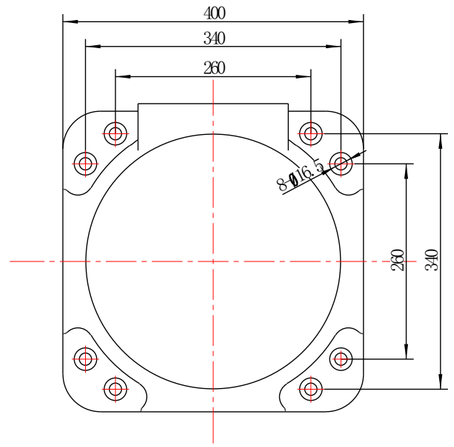




Robot Flange Connection Diagram



Robot Base Installation Diagram



LB Handling Series Robots

TR1030B-185

Payload		30kg
Reach		1850mm
Structure		Articulated
Number of axes		4
Repeatability		±0.05mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-45°
	Axis 3	+60°/-60°
	Axis 4	±360°
	Axis 5	------
	Axis 6	------
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	------
	Axis 6	------
Weight		≈247.5KG
Mounting type		Horizontal
Ambient temperature		5°C～45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Loading and unloading on the assembly line

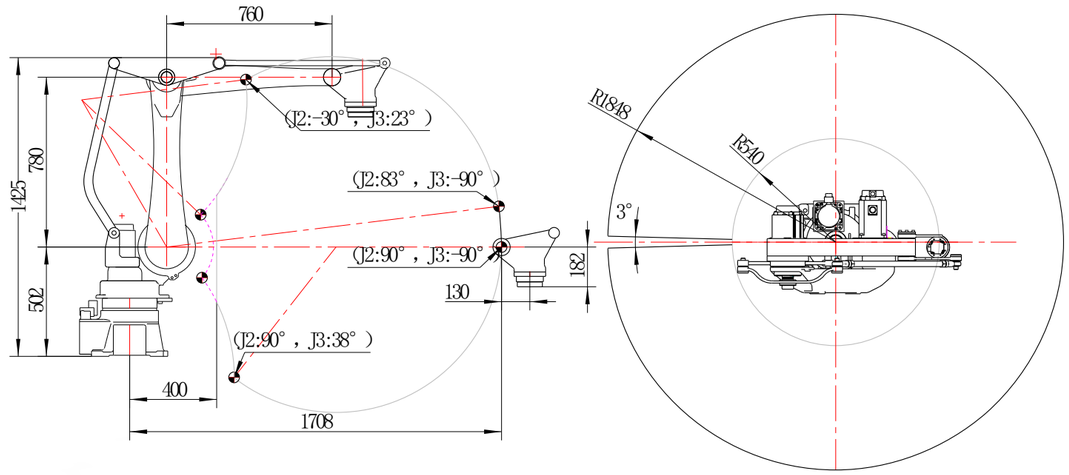
It has a load of 30kg and can be used for single palletizing loading and unloading, as well as for multiple pall loading and unloading, achieving assembly line palletizing operations.

The picture shows a stacking solution for an assembly line, w target pallet size of 1.1m x 1.1m and a required stacking heigh 1.6m. One robot can stack two pallets simultaneously, greatly improving the efficiency of production and saving labor.

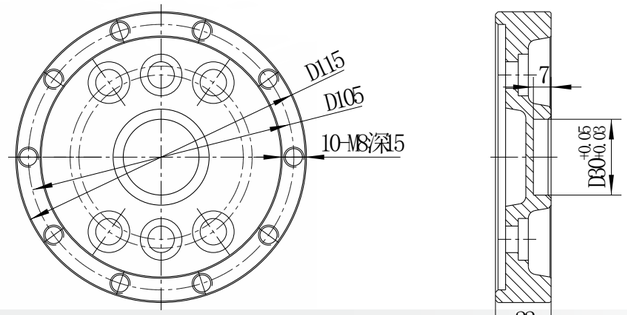


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

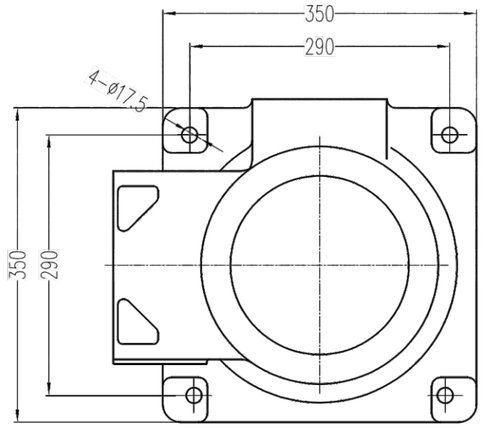
Diagram of Robot Motion Range



Robot Flange Connection Diagram



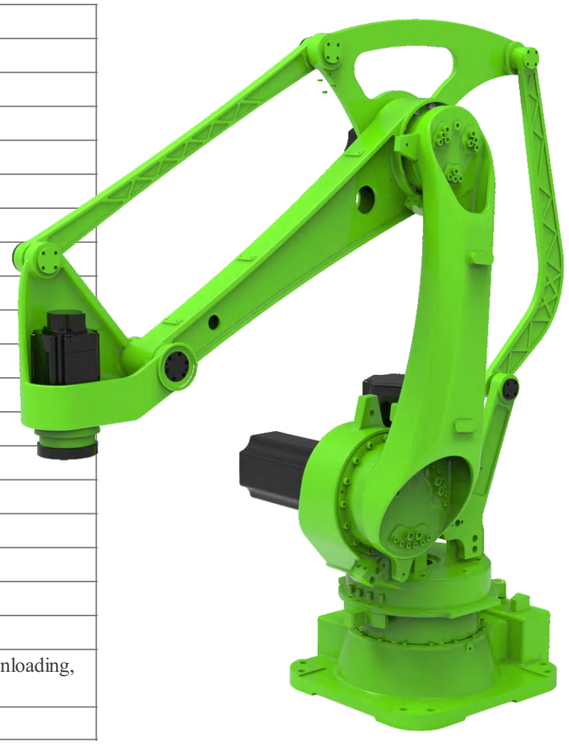
Robot Base Installation Diagram



LB Handling Series Robots

TR10100B-210

Payload		100kg
Reach		2100mm
Structure		Articulated
Number of axes		4
Repeatability		±0.08mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-45°
	Axis 3	+70°/-60°
	Axis 4	±360°
	Axis 5	------
	Axis 6	------
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	148°/sec
	Axis 5	------
	Axis 6	------
Weight		≈616.5kg
Mounting type		Horizontal
Applicable industries		Handling, loading and unloading, palletizing
Ambient temperature		5°C ~ 45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Palletizing of bagged materials

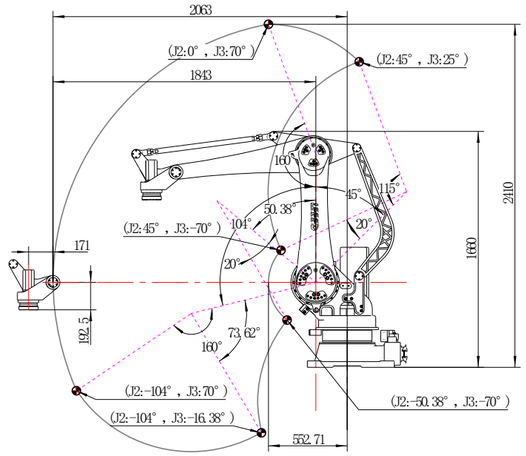
It is a heavy-duty palletizing robot with a load of 100kg, w
dely used in various chemical loading and unloading, assembl
line palletizing and other occasions.

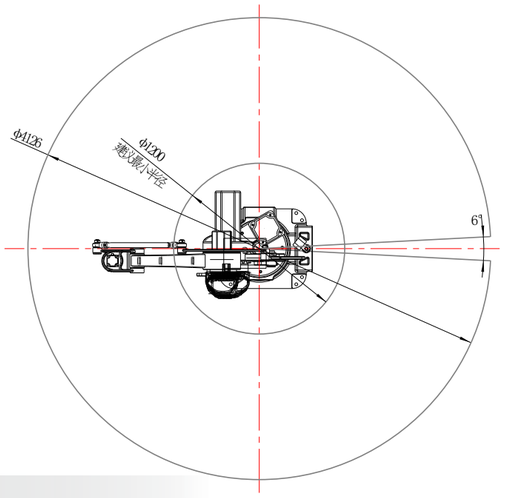
The picture shows a chemical raw material loading assemb
line, where a robot is responsible for the entire production line
freeing workers from heavy work and solving the problem of
difficult recruitment at this workstation in the enterprise.



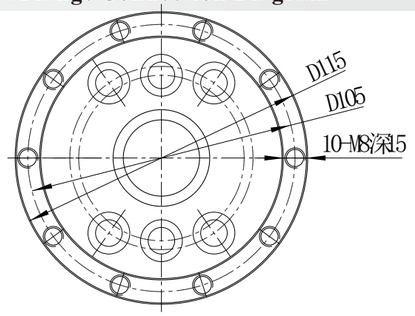
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

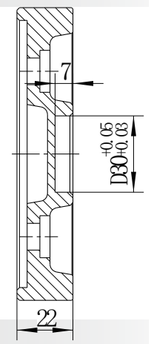
Diagram of Robot Motion Range



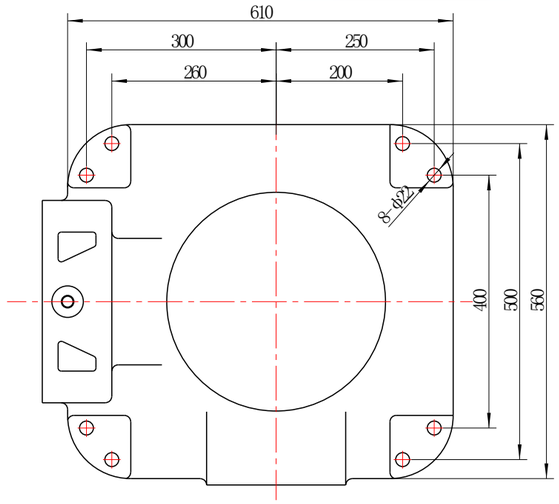


Robot Flange Connection Diagram





Robot Base Installation Diagram



LB Handling Series Robots

TR1050B-230

Payload		50kg
Reach		2300mm
Structure		Articulated
Number of axes		4
Repeatability		±0.08mm
Max. motion range	Axis 1	±175°
	Axis 2	+88°/-45°
	Axis 3	+70°/-60°
	Axis 4	±360°
	Axis 5	------
	Axis 6	------
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	148°/sec
	Axis 5	------
	Axis 6	------
Weight		≈558.5kg
Mounting type		Horizontal
Applicable industries		Handling, loading and unloading, palletizing
Ambient temperature		5°C ~ 45°C



Main Applications

Material handling, parts transmission, stacking, deburring, cutting

Applicable Cases

Palletizing of materials in bags

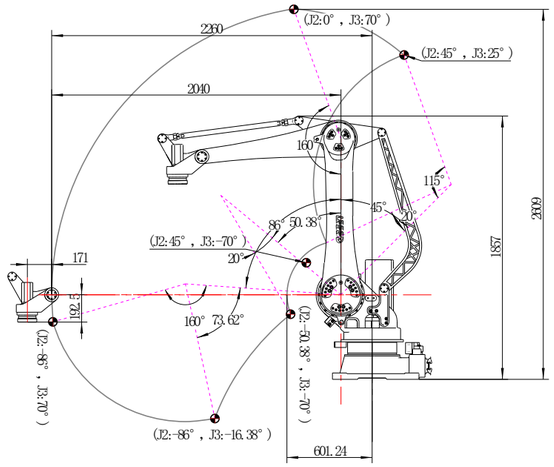
It is a medium-sized palletizing robot with a load of 50kg. Compared to other models of robots, this type of palletizing robot has a moderate load, and has certain advantages in palletizing height and range.

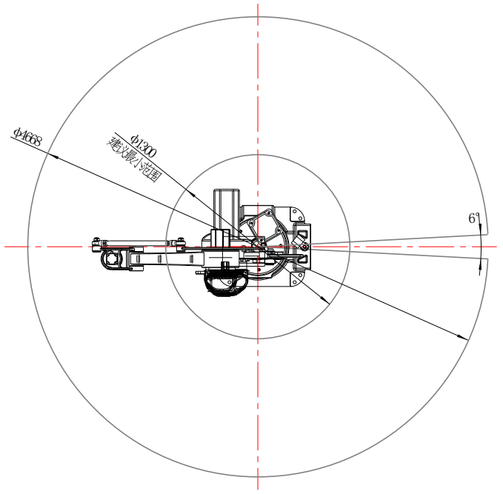
The picture shows the transportation and stacking plan for the boxed assembly line, which can handle and stack medium weight packaging boxes.



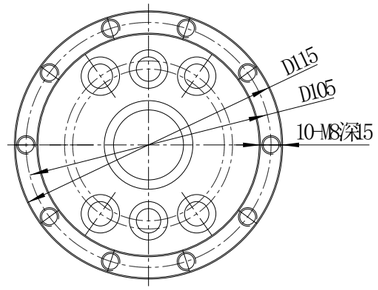
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

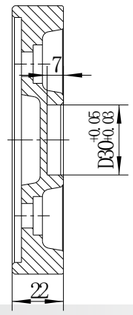
Diagram of Robot Motion Range



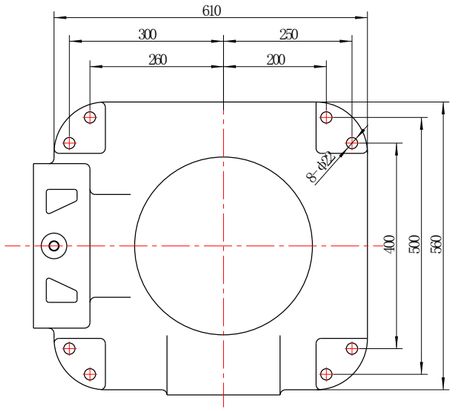


Robot Flange Connection Diagram





Robot Base Installation Diagram



LP Painting Series Robots

TR1006A-150

Payload		6KG
Reach		1500mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+85°/-58°
	Axis 3	+85°/-85°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈138.5kg
Mounting type		Ground, bracket, ceiling
Applicable industries		Handling, loading and unloading, palletizing, painting
Ambient temperature		5℃～45°C



Main Applications

Painting

Applicable Cases

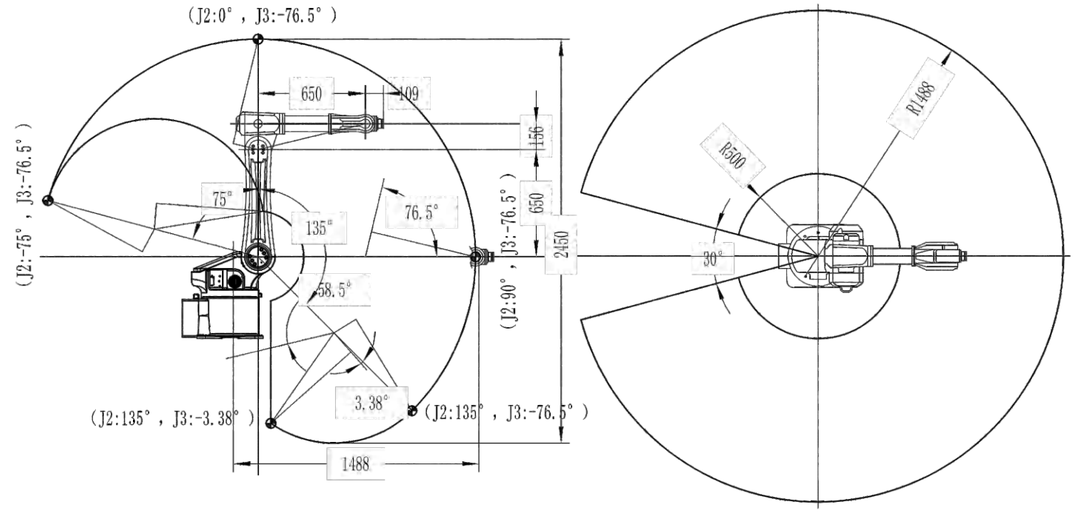
Hanging line tracking and painting



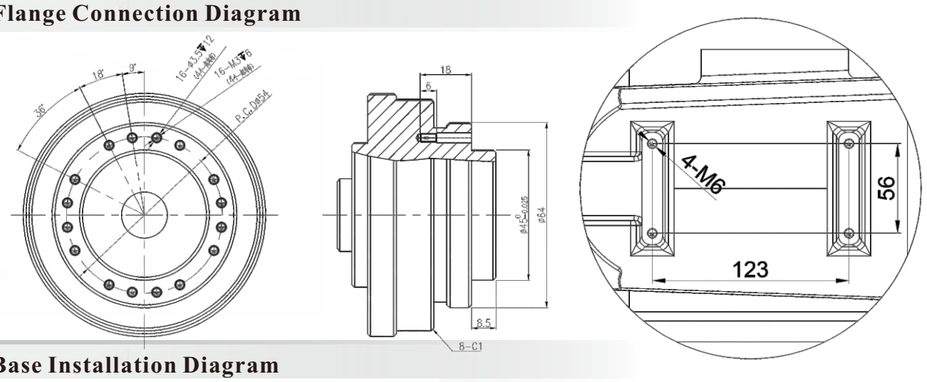
It is the longest launched spraying robot in our company,with a load of 6kg and an arm span of 1500mm. It is usuallyintegrated with various non-standard turntables or hanging lineequipment as an integrated workstation. The picture shows thehanging tracking spraying, which greatly saves labor costs andimproves the yield rate.

Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

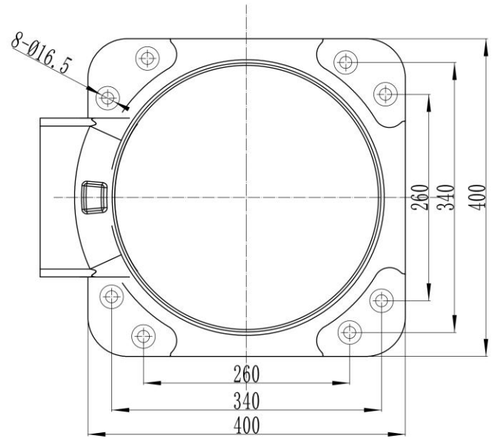
Diagram of Robot Motion Range



Robot Flange Connection Diagram



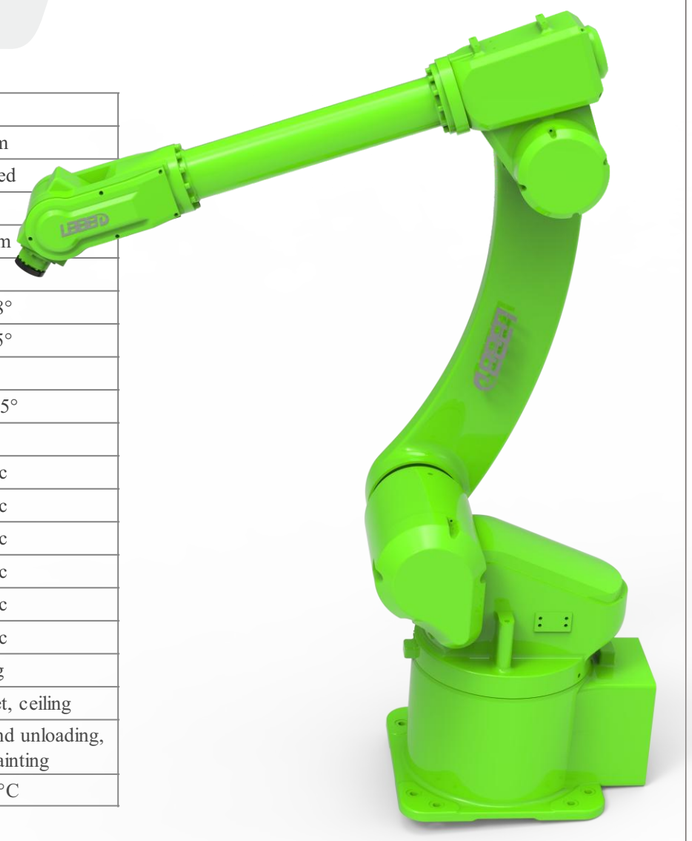
Robot Base Installation Diagram



LP Painting Series Robots

TR1006A-195

Payload		6KG
Reach		1950mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+85°/-58°
	Axis 3	+85°/-85°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈151kg
Mounting type		Ground, bracket, ceiling
Applicable industries		Handling, loading and unloading, palletizing, painting
Ambient temperature		5°C ~ 45°C



Main Applications

Painting

Applicable Cases

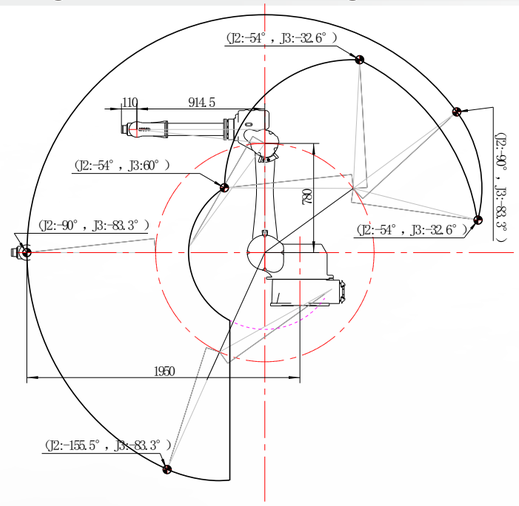
Rotating spraying of injection molded parts

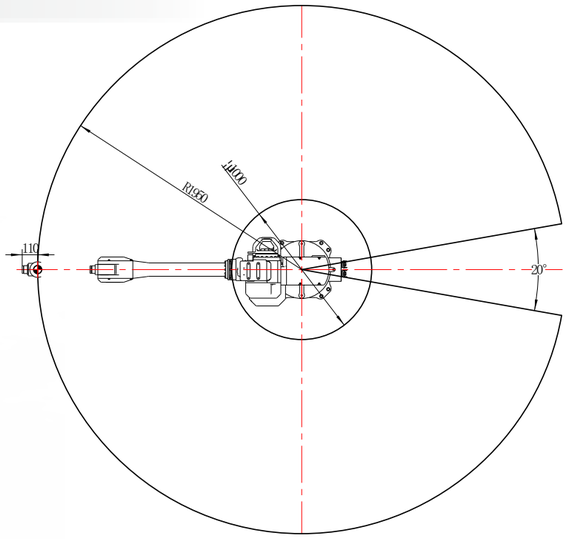
It is a spraying robot produced by our companywith certa in dust-proof and waterproof capabilities, and hascertain ad vantages in movement range. It is usually used incertain sp ecific spraying environments with harsh conditions,greatly i mproving the employment and working environmentof enterp rises.



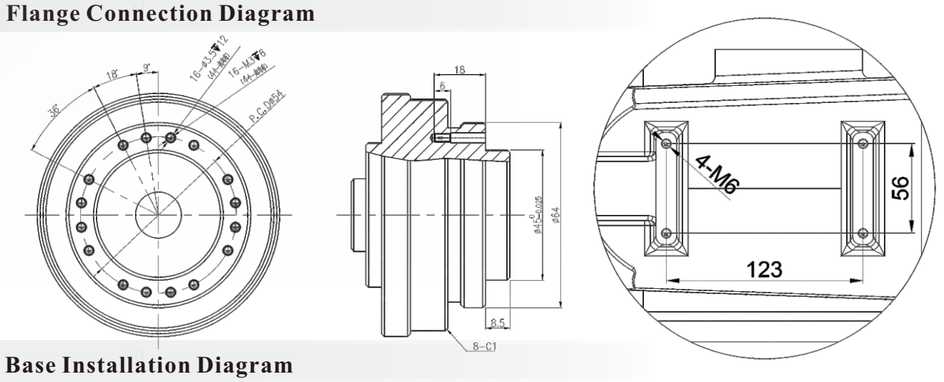
Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range

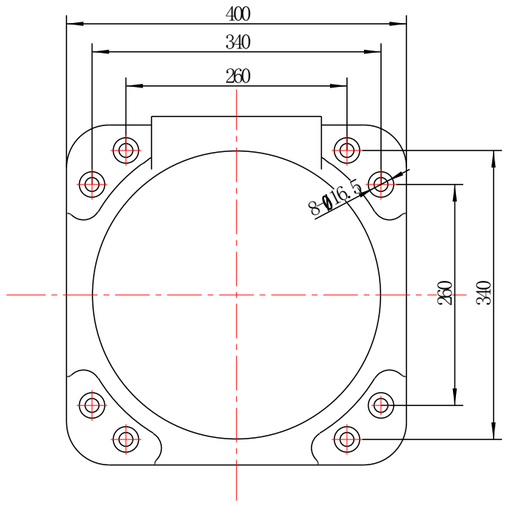




Robot Flange Connection Diagram



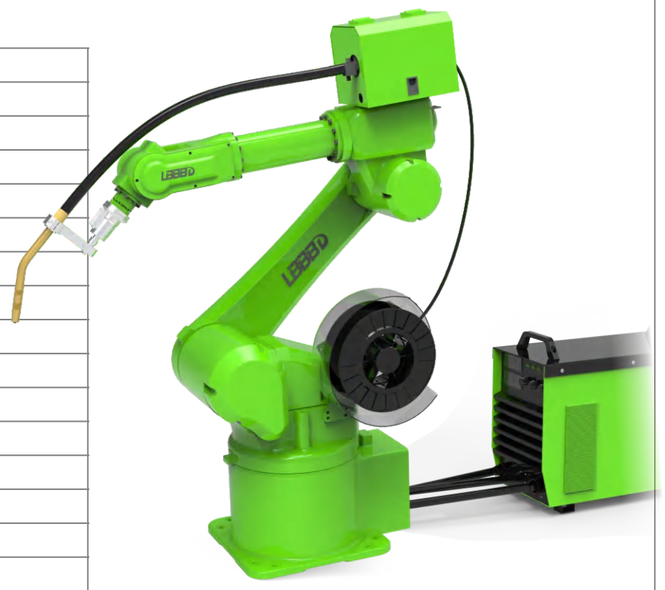
Robot Base Installation Diagram



LH Welding Series Robots (Dust-proof)

TR1010A-150MW

Payload		10KG
Reach		1500mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+60°/-50°
	Axis 3	+60°/-80°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈158.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Industries such as automobiles, hardware doors and windows, engineering machinery, mining machinery, railway locomotives, electrical furniture, etc

Applicable Cases

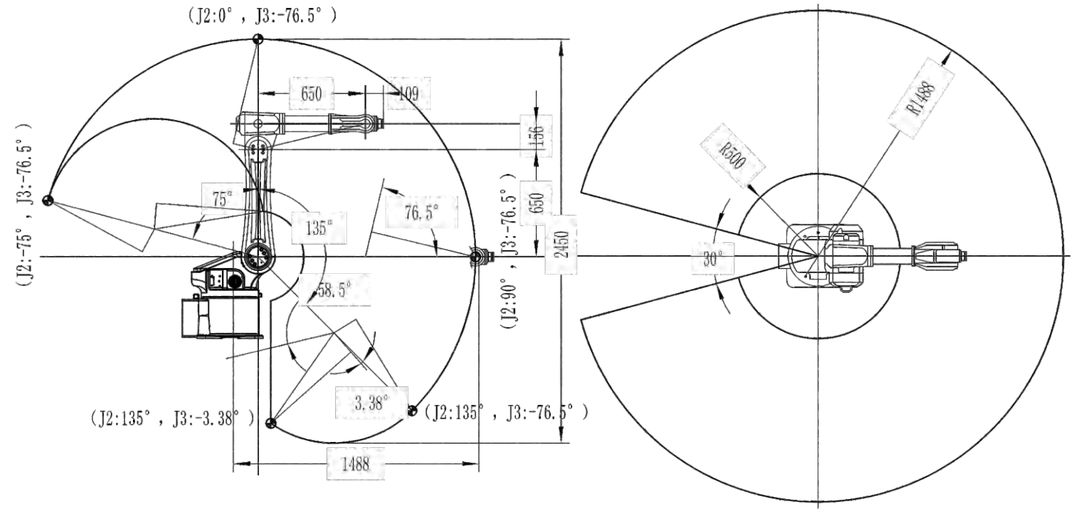
Welding workstation with displacement machine



It is specifically designed for the welding field and is arobot dev eloped by the company for customers in more harsh on-siteenvironm ents based on the existing LH2100-B-6. This product has alarger ins tallation area and stable structure, as well as a fully sealedone axis structure, effectively preventing damage to the robot wirecaused by some welding slag.

Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of Robot Motion Range



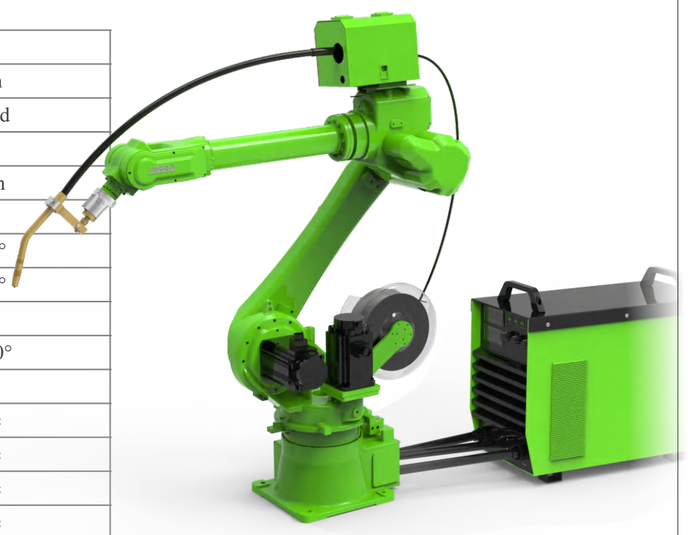
Robot Flange Connection Diagram

Robot Base Installation Diagram

LH Welding Series Robots

TR1010A-210MW

Payload		10KG
Reach		2100mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+60°/-60°
	Axis 3	+70°/-80°
	Axis 4	±178°
	Axis 5	+30°/-220°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈235kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Industries such as automobiles, hardware doors and windows, engineering machinery, mining machinery, railway locomotives, electrical furniture, etc

Applicable Cases

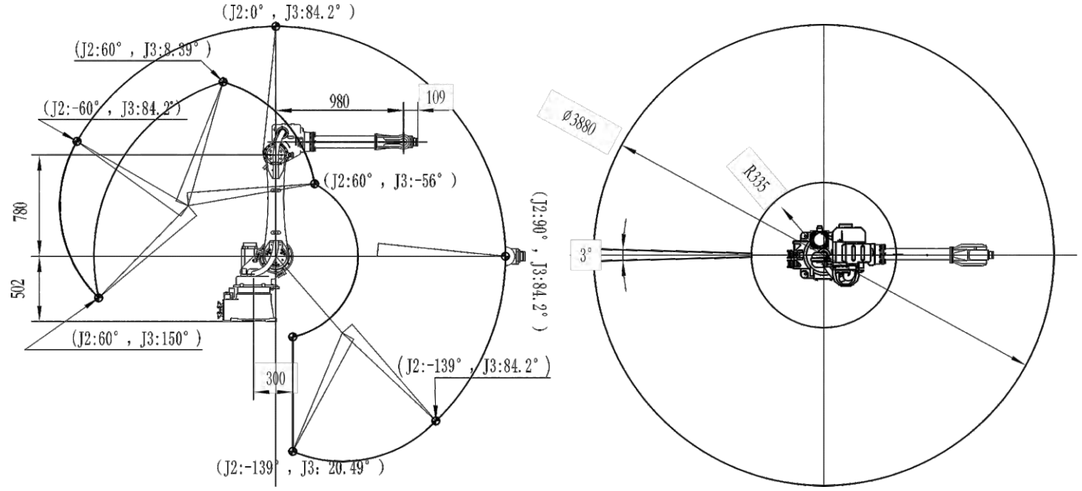
Structural Welding of super weight Box

It is specifically designed for welding and is a robot developed by the company for customers in more harsh on-site environments. This product has a large installation area and stable structure, as well as a fully sealed one axis structure, effectively preventing damage to robot wires caused by some welding slag.

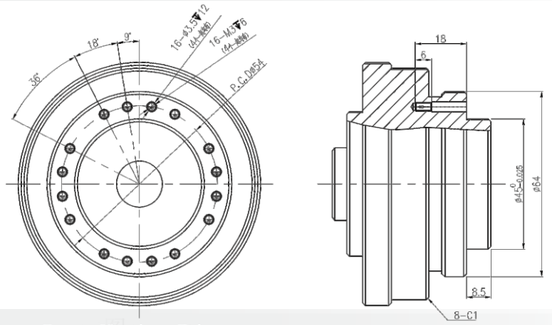


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

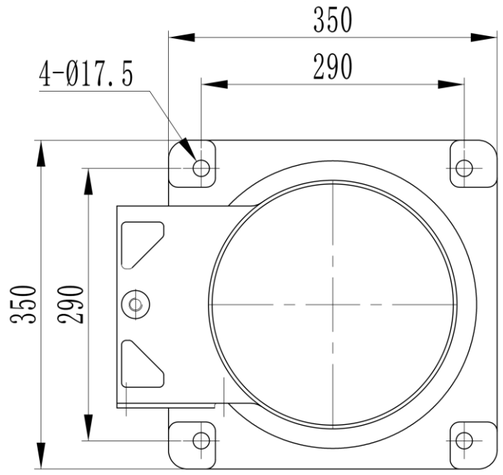
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LH Welding Series Robots (Hollow)

TR1010A-145MWZ

Payload		10KG
Reach		1450mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+85°/-58°
	Axis 3	+85°/-85°
	Axis 4	±175°
	Axis 5	+30°/-210°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈160.5kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



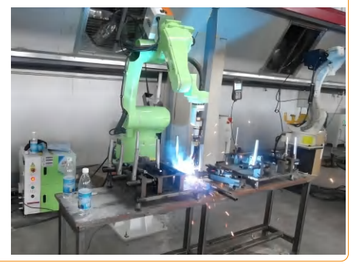
Main Applications

Industries such as automobiles, hardware doors and windows, engineering machinery, mining machinery, railway locomotives, electrical furniture, etc

Applicable Cases

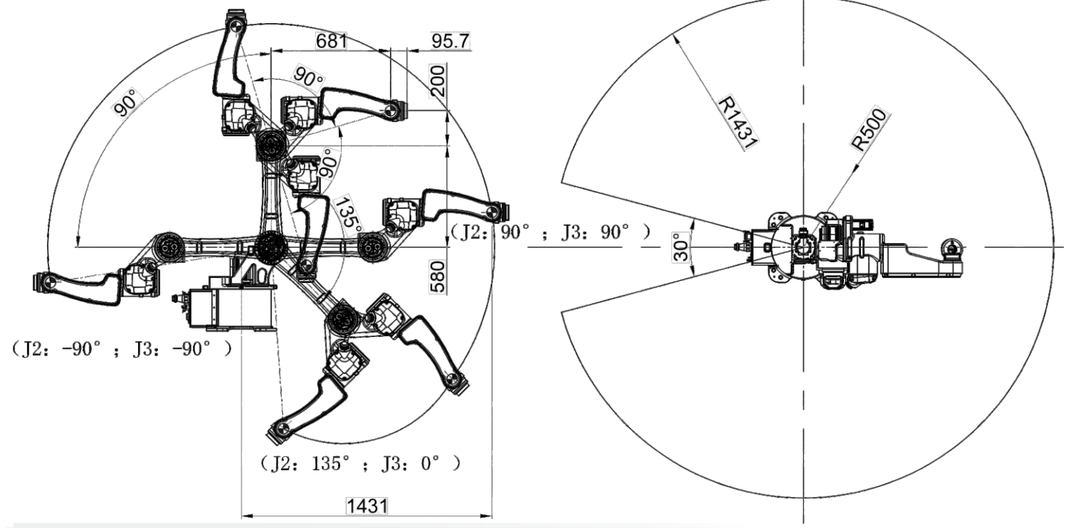
Welding application case

It is a robot specifically designed for welding and developed for customers in more harsh on-site environments. This product has a large installation area and stable structure, as well as a fully sealed one axis structure, effectively preventing damage to robot wires caused by some welding slag.

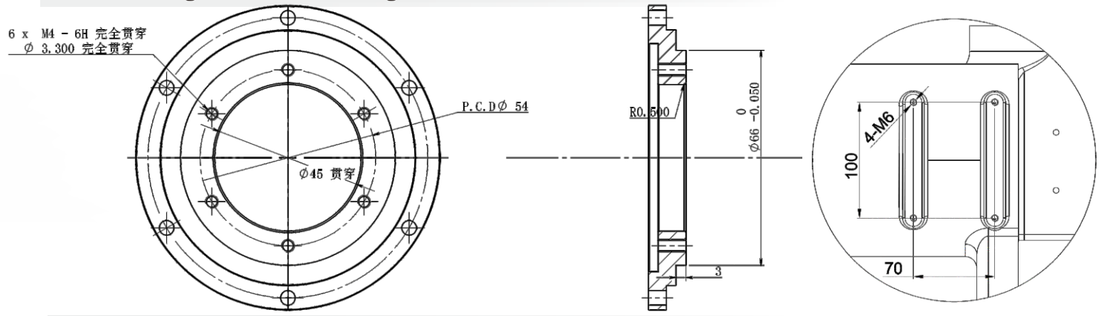


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

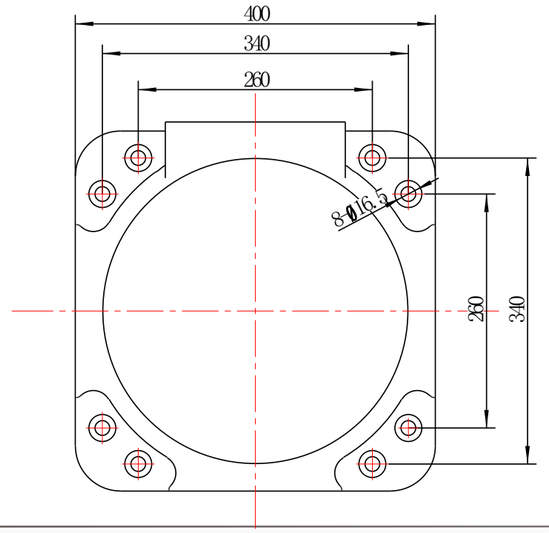
Diagram of Robot Motion Range



Robot Flange Connection Diagram



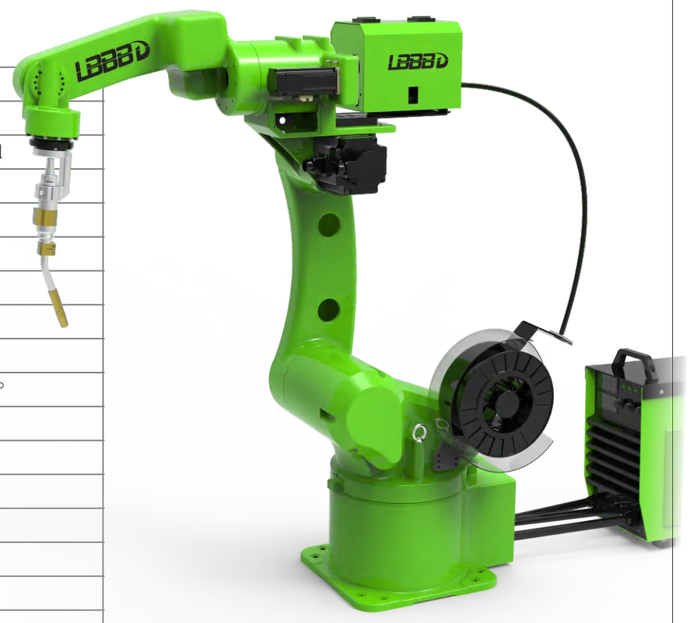
Robot Base Installation Diagram



LH Welding Series Robots (Hollow)

TR1010A-150MWZ

Payload		10KG
Reach		1500mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+85°/-58°
	Axis 3	+85°/-85°
	Axis 4	±175°
	Axis 5	+30°/-210°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈161kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C

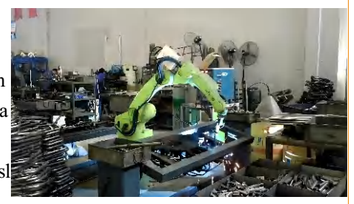


Main Applications

Industries such as automobiles, hardware doors and windows, engineering machinery, mining machinery, railway locomotives, electrical furniture, etc

Applicable Cases

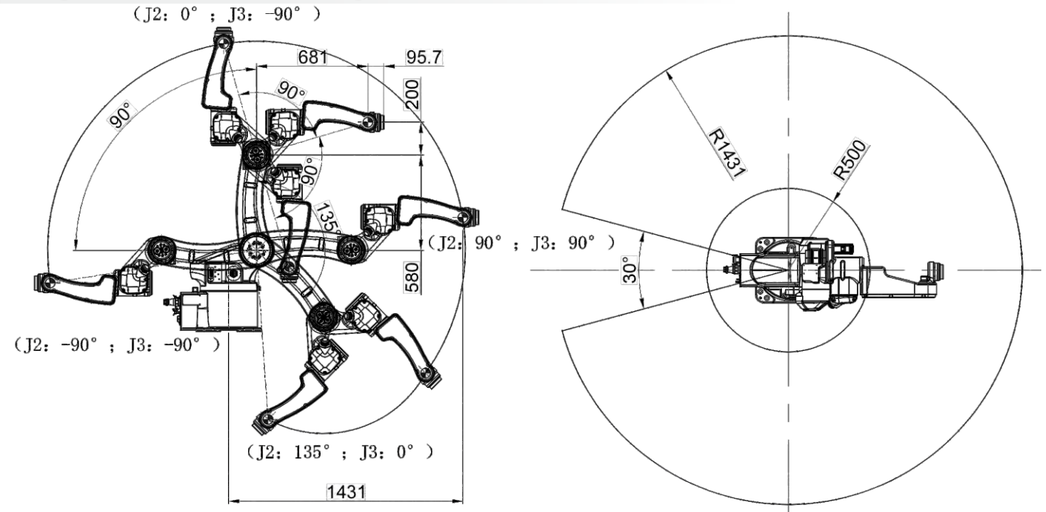
Welding workstation with displacement machine



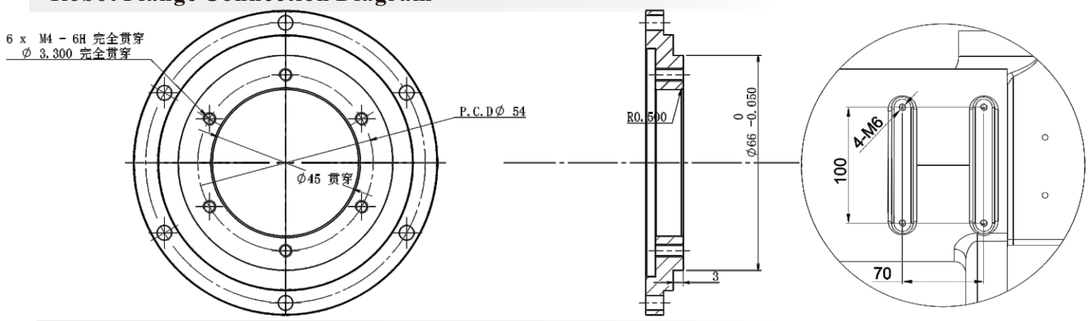
It is a robot designed specifically for welding and designedfor customers in more harsh on-site environments. This product has alarge installation area, stable structure, and a fully sealed one axisstructure, effectively preventing damage to robot wires caused by somewelding slag.

Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

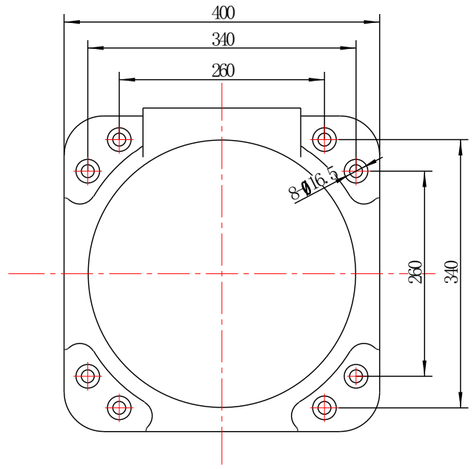
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



LH Welding Series Robots (Hollow)

TR1010A-200MWZ

Payload		10KG
Reach		2000mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±165°
	Axis 2	+88°/-60°
	Axis 3	+60°/-88°
	Axis 4	±175°
	Axis 5	+30°/-215°
	Axis 6	±360°
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	148°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		≈203kg
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

Automobile, metal doors &windows, engineering machinery, mining machinery, locomotives, electrical appliances, furniture and other industries

Applicable Cases

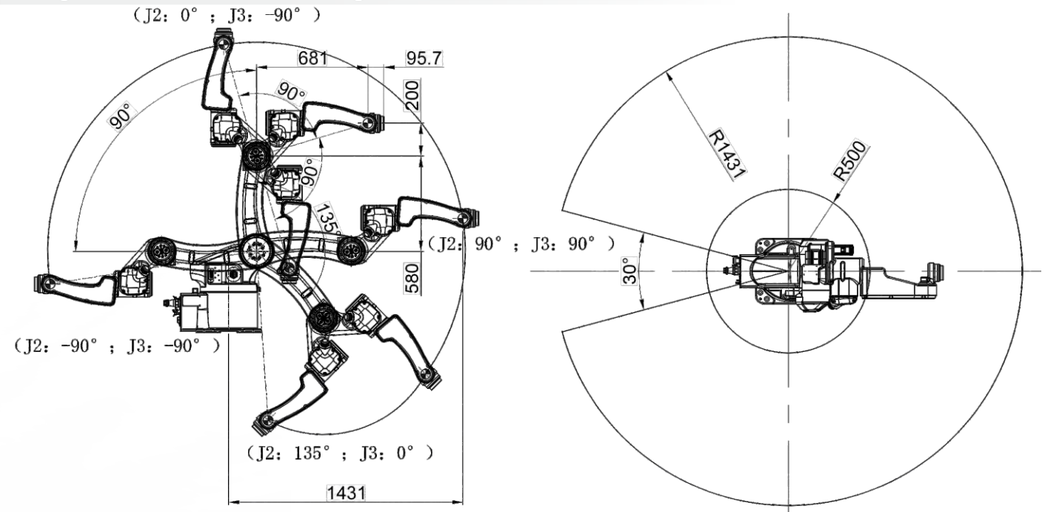
Welding station with a positioner



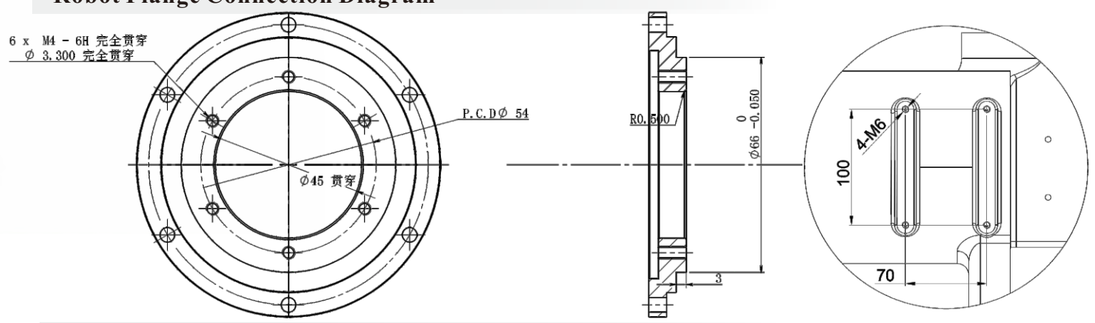
The robot is dedicated to welding. It is a robot developed for more adverse field environment of the customers. This product has a higher floor space and stabler construction than ever and there is a fully enclosed axis to effectively prevent welding spatters from damaging cables of the robot.

Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

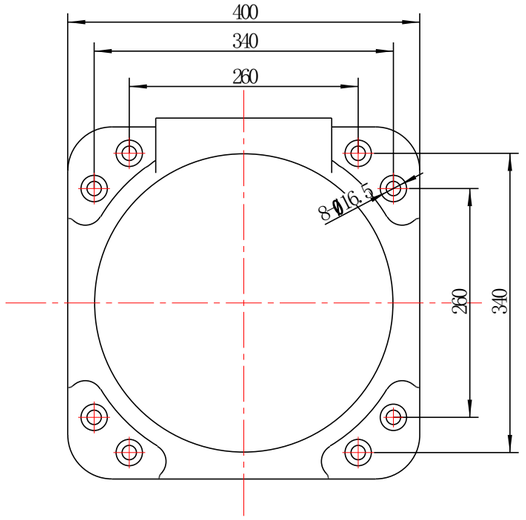
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



BC Collaboration Series Robot

TR1006A-C90

Payload		6KG
Reach		900mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±175°
	Axis 2	+ 88°/ - 88°
	Axis 3	+ 70°/ - 88°
	Axis 4	+ 130°/ - 190°
	Axis 5	±175°
	Axis 6	±360°
Max. speed	Axis 1	180°/sec
	Axis 2	180°/sec
	Axis 3	180°/sec
	Axis 4	180°/sec
	Axis 5	180°/sec
	Axis 6	180°/sec
Weight		≈19kg
Main parameters		CCD vision system, 1.3 million industrial phase Machine, LED light source, 40 channel I / O interface, 4 Channel analog interface, EtherCAT communication
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃~45°C

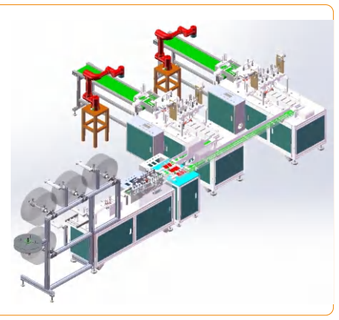


Main Applications

3C electronics, pharmaceuticals, packaging, palletizing, assembly, etc.

Applicable Cases

Automatic feeding workstation of mask machine

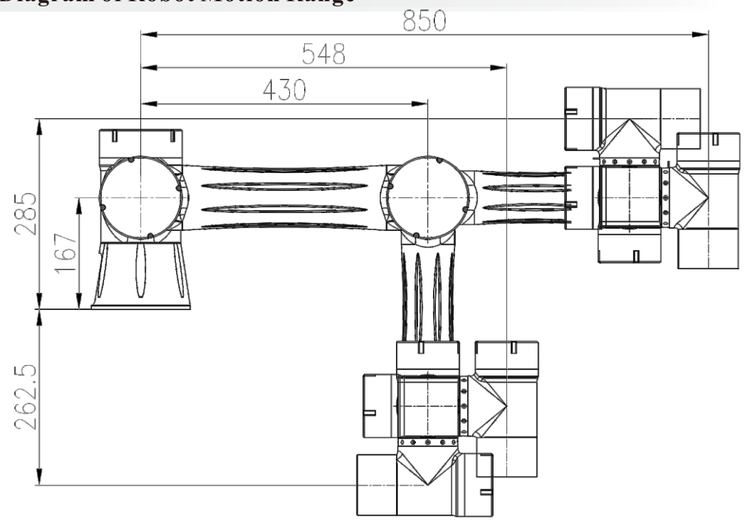


BC collaborative robots are suitable for 3C electronics, pharmaceuticals, packaging, palletizing, assembly, etc.

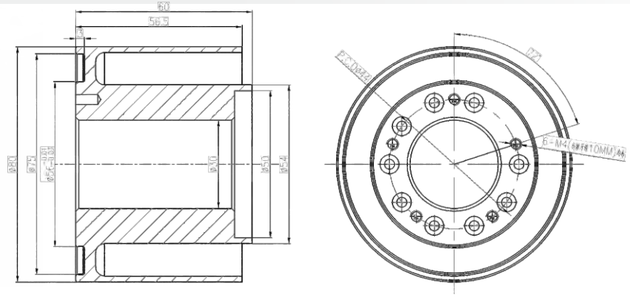
The picture shows the automatic material retrieval application of a mask machine provided by our company for a customer. Due to its lightweight structure and fast speed, it is fully capable of meeting the production rhythm and placement requirements of mask machines, greatly improving production efficiency.

Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

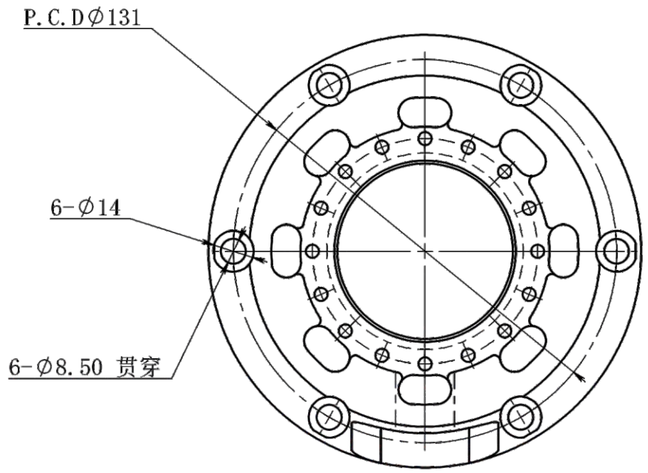
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



BC Collaboration Series Robot

TR-1020A_C160

Payload		20KG
Reach		1600mm
Structure		Articulated
Number of axes		6
Repeatability		±0.03mm
Max. motion range	Axis 1	±175°
	Axis 2	+ 88°/ - 88°
	Axis 3	+ 70°/ - 88°
	Axis 4	+ 130°/ - 190°
	Axis 5	±175°
	Axis 6	±360°
Max. speed	Axis 1	180°/sec
	Axis 2	180°/sec
	Axis 3	180°/sec
	Axis 4	180°/sec
	Axis 5	180°/sec
	Axis 6	180°/sec
Weight		≈47kg
Main parameters		
Mounting type		Ground, bracket, ceiling
Ambient temperature		5℃～45°C



Main Applications

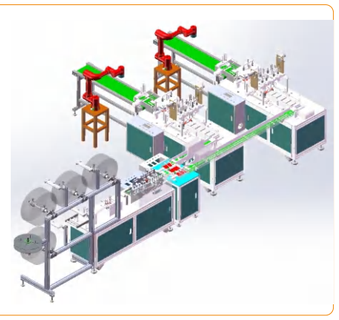
3C electronics, pharmaceuticals, packaging, palletizing, assembly, etc.

Applicable Cases

Automatic feeding workstation of mask machine

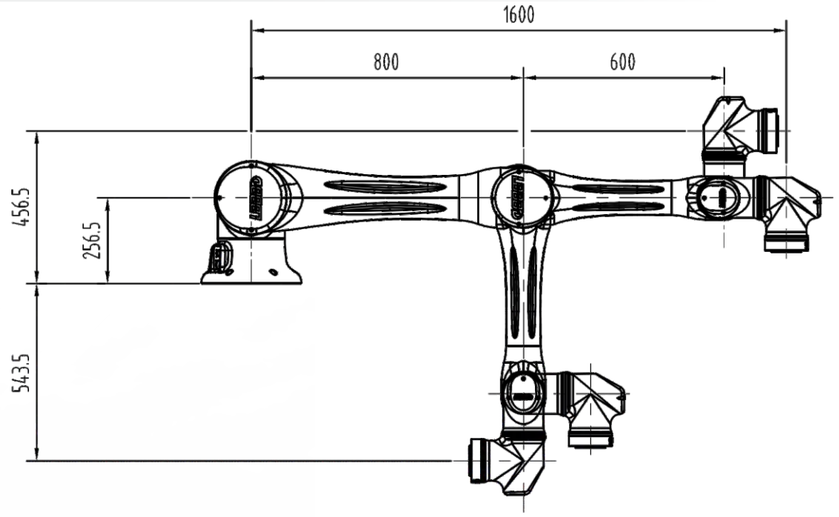
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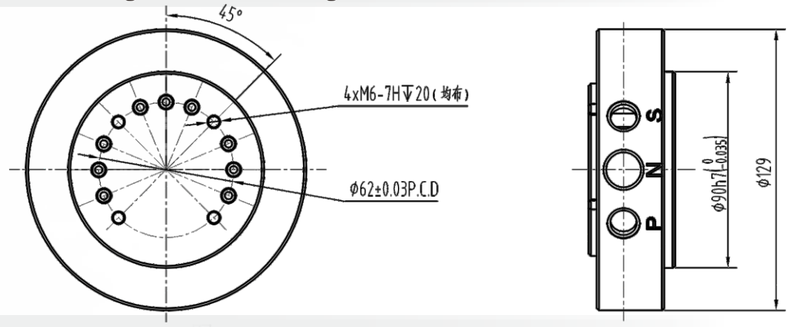


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

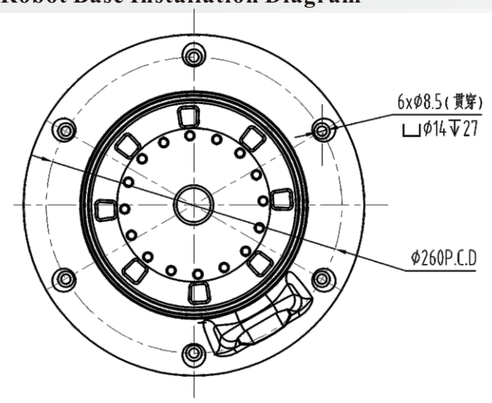
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



Horizontal multi-joint robots

TR-S450B

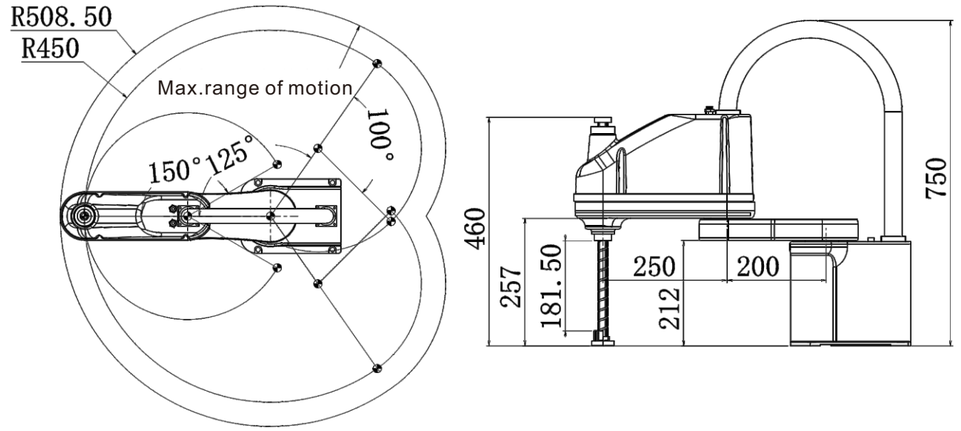


Type	LS450-B-4		
Payload	5KG		
Reach	450mm		
Position detection	Absolute value servo encoder		
Supply voltage	220V 50/60HZ		
Mounting type	Horizontal		
Body weight	29KG		
Max. motion range	Axis 1	±125	Deg
	Axis 2	±145	Deg
	Axis 3	±360	Deg
	Axis 4	+100/-80	mm
Max. speed (rated state)	Axis 1		360°/s
	Axis 2		360°/s
	Axis 3		720°/s
	Axis 4		800mm/s
Repeatability	±0.03		mm
Max. input of air pipe value	Positive pressure		8kg/cm2
	Negative pressure		1kg/cm2
Environmental requirements	Temperature		5℃～45℃
	Humidity		Within 10% ~ 80% (no condensation)
Arm weight (excluding electric cabinet and extension cable)			≈15KG
I / O line of arm body			0.2 * 5 core
Tracheal interface of arm body			6*2

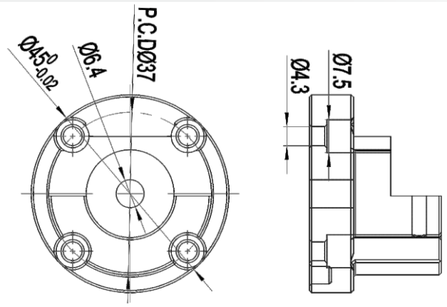
Main Applications

Material handling, parts transmission, stacking and dispensing

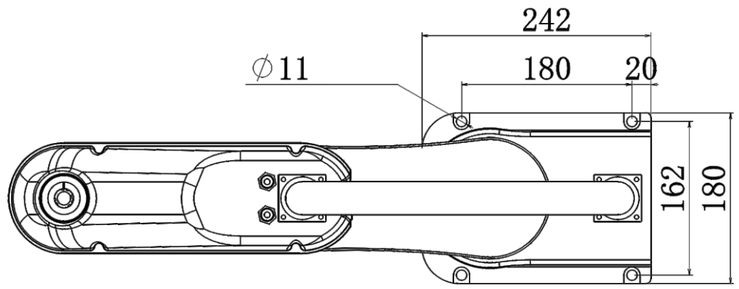
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Horizontal multi-joint robots

TR-S600B

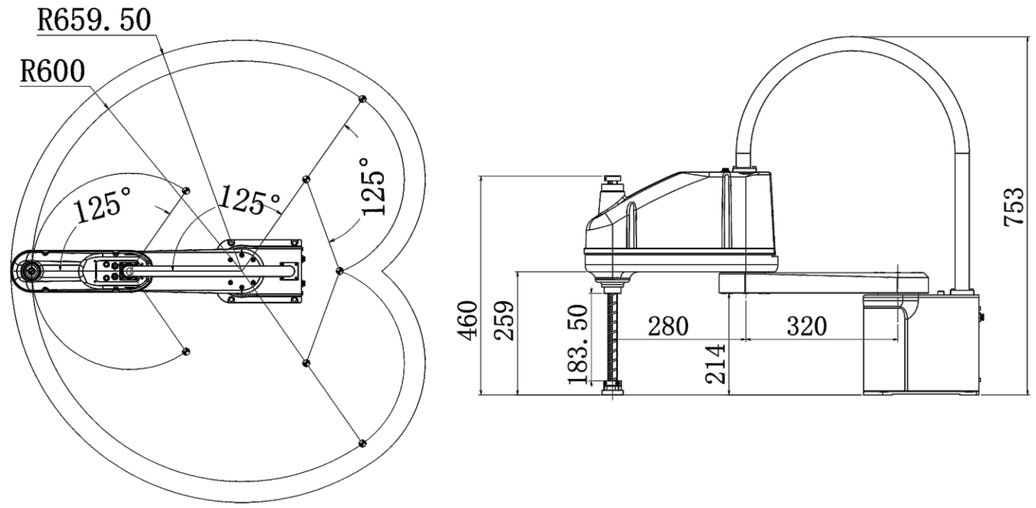


Type	Scara Robot		
Payload	5KG		
Reach	600mm		
Position detection	Absolute value servo encoder		
Supply voltage	220V 50/60HZ		
Mounting type	Horizontal		
Body weight	29KG		
Max. motion range	Axis 1	±125	Deg
	Axis 2	±145	Deg
	Axis 3	±360	Deg
	Axis 4	+100/-80	mm
Max. speed (rated state)	Axis 1		360°/s
	Axis 2		360°/s
	Axis 3		720°/s
	Axis 4		800mm/s
Repeatability	±0.03		mm
Max. input of air pipe value	Positive pressure		8kg/cm2
	Negative pressure		1kg/cm2
Environmental requirements	Temperature		5℃～45℃
	Humidity		Within 10%～80% (no condensation)
Arm weight (excluding electric cabinet and extension cable)			≈20KG
I / O line of arm body			0.2*5 core
Tracheal interface of arm body			6*2

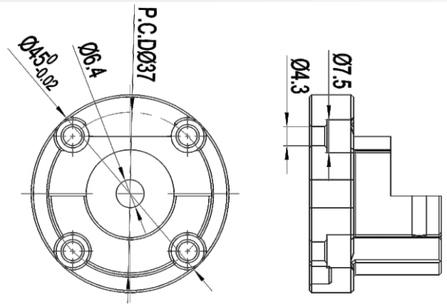
Main Applications

Material handling, parts transmission, stacking and dispensing

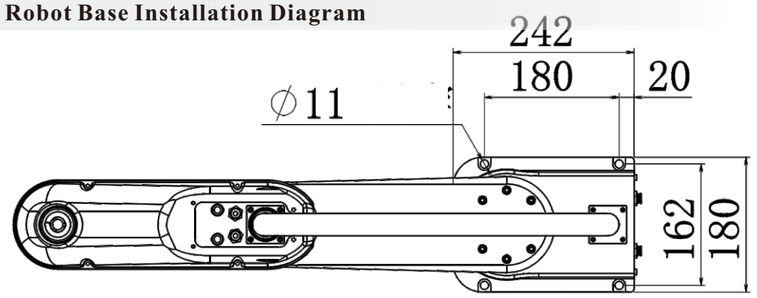
Diagram of Robot Motion Range



Robot Flange Connection Diagram



Robot Base Installation Diagram



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Horizontal multi-joint robots

TR-S800B

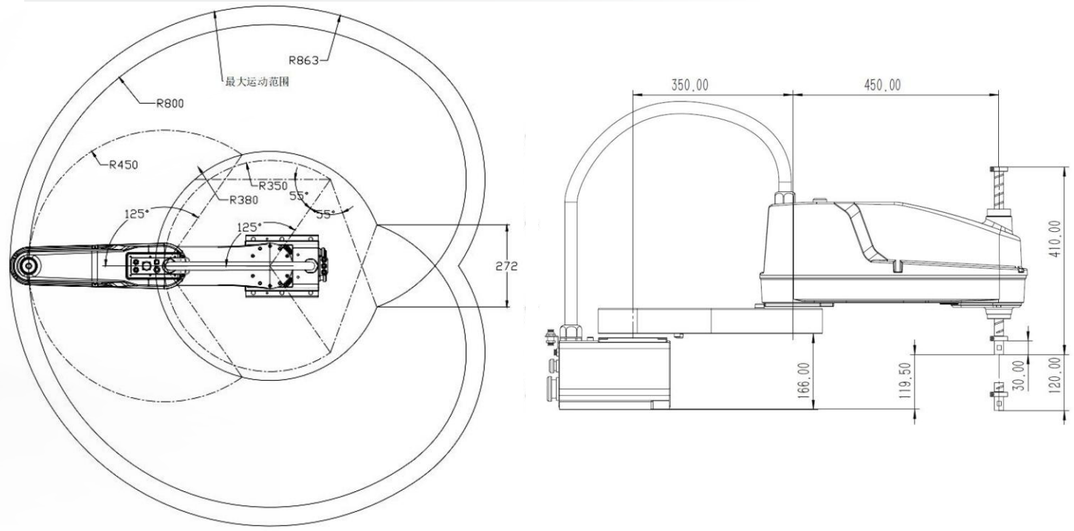


Type	Scara Robot		
Payload	8KG		
Reach	800mm		
Position detection	Absolute value servo encoder		
Supply voltage	220V 50/60HZ		
Mounting type	Horizontal		
Body weight	29KG		
Max. motion range	Axis 1	±125	Deg
	Axis 2	±145	Deg
	Axis 3	±360	Deg
	Axis 4	+100/-80	mm
Max. speed (rated state)	Axis 1		360°/s
	Axis 2		360°/s
	Axis 3		720°/s
	Axis 4		800mm/s
Repeatability	±0.03		mm
Max. input of air pipe value	Positive pressure		8kg/cm2
	Negative pressure		1kg/cm2
Environmental requirements	Temperature		5℃～45℃
	Humidity		Within 10%～80% (no condensation)
Arm weight (excluding electric cabinet and extension cable)			≈20KG
I / O line of arm body			0.2*5 core
Tracheal interface of arm body			6*2

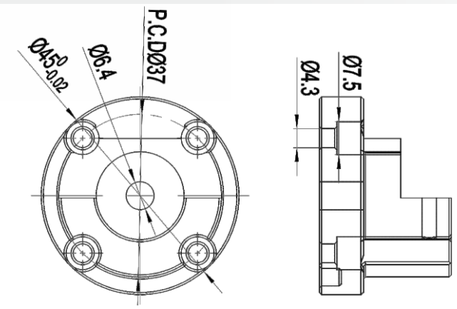
Main Applications

Material handling, parts transmission, stacking and dispensing

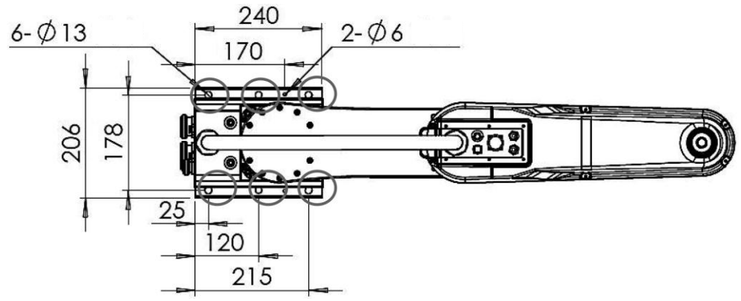
Diagram of Robot Motion Range



Robot Flange Connection Diagram



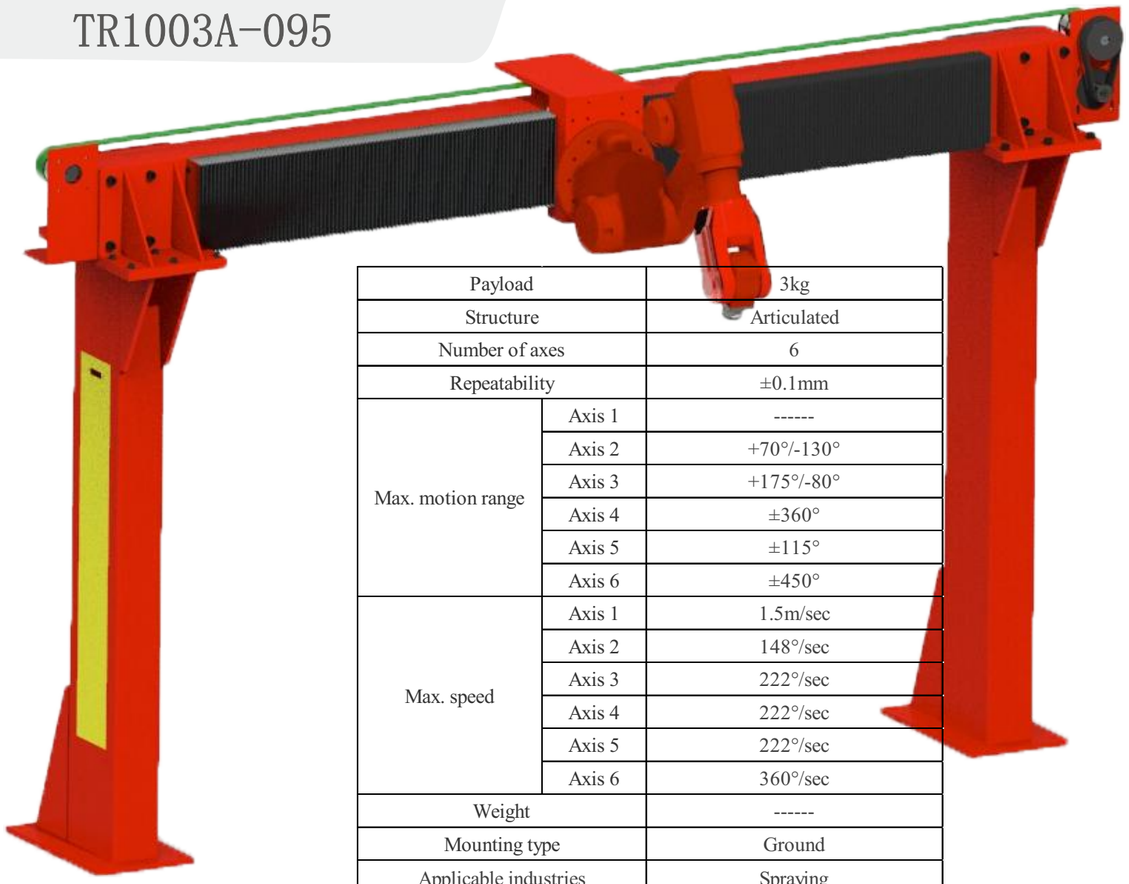
Robot Base Installation Diagram



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

LP Gantry Painting Series Robots

TR1003A-095



Payload		3kg
Structure		Articulated
Number of axes		6
Repeatability		±0.1mm
Max. motion range	Axis 1	------
	Axis 2	+70°/-130°
	Axis 3	+175°/-80°
	Axis 4	±360°
	Axis 5	±115°
	Axis 6	±450°
Max. speed	Axis 1	1.5m/sec
	Axis 2	148°/sec
	Axis 3	222°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
Weight		------
Mounting type		Ground
Applicable industries		Spraying
Protection grade		Body IP50/electric cabinet IP43
Ambient temperature		5°C～45°C

Applicable Cases

Spraying of slender parts

The robot is specially used for spraying long parts, such as car bumpers, large doors and windows, etc. in cooperation with the company's self-developed two station transfer platform, it can also complete automatic loading and unloading or batch spraying of other small hardware parts. The height and length of the gantry can be customized according to the customer's site.

The picture shows the customer using gantry manipulator to spray small hardware parts in batches



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Robot Flange Connection Diagram

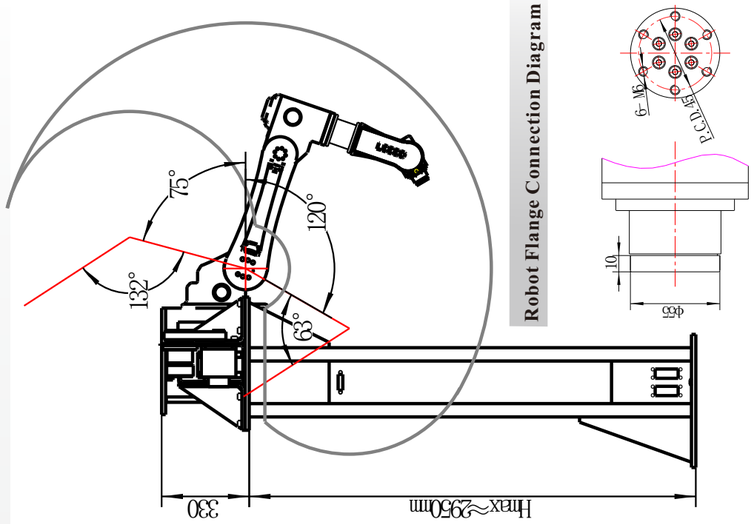
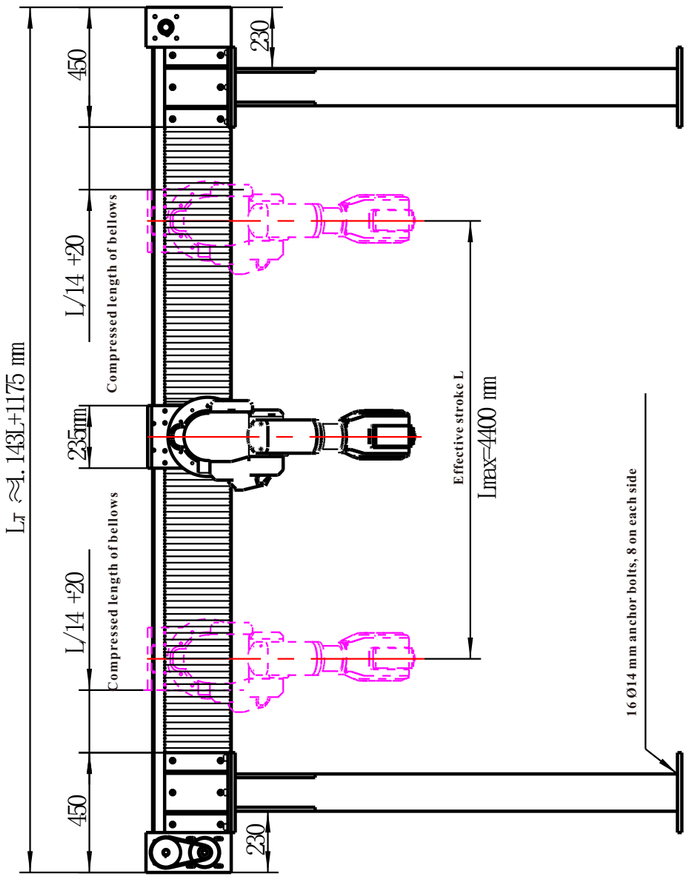


Diagram of Gantry Painting Robot Motion Range

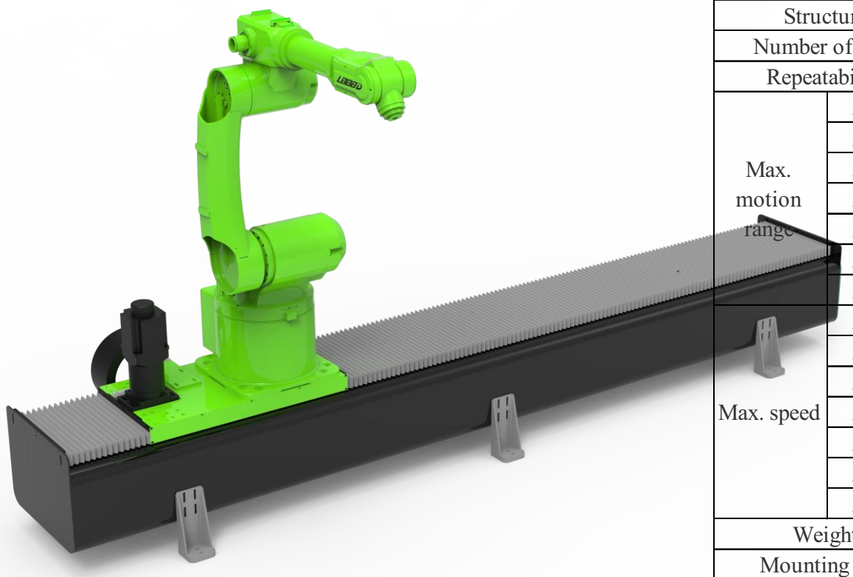


Instructions for bolt installation:

Generally, it is recommended to drill holes in the foundation when the equipment has arrived on site. To install the equipment in pools or other places requiring pre-buried bolts, consult our technicians in detail.

Seven-axis Robots

TR1006A-150_7



Payload		6KG
Structure		Articulated
Number of axes		7
Repeatability		±0.1mm
Max. motion range	Axis 1	±165°
	Axis 2	+75°/-135°
	Axis 3	+175°/-80°
	Axis 4	±360°
	Axis 5	±115°
	Axis 6	±450
	Axis 7	------
Max. speed	Axis 1	148°/sec
	Axis 2	148°/sec
	Axis 3	150°/sec
	Axis 4	222°/sec
	Axis 5	222°/sec
	Axis 6	360°/sec
	Axis 7	1m/sec
Weight		------
Mounting type		Ground
Applicable industries		Spraying, loading and unloading, welding
Ambient temperature		0°C ~ 45°C

Applicable Cases

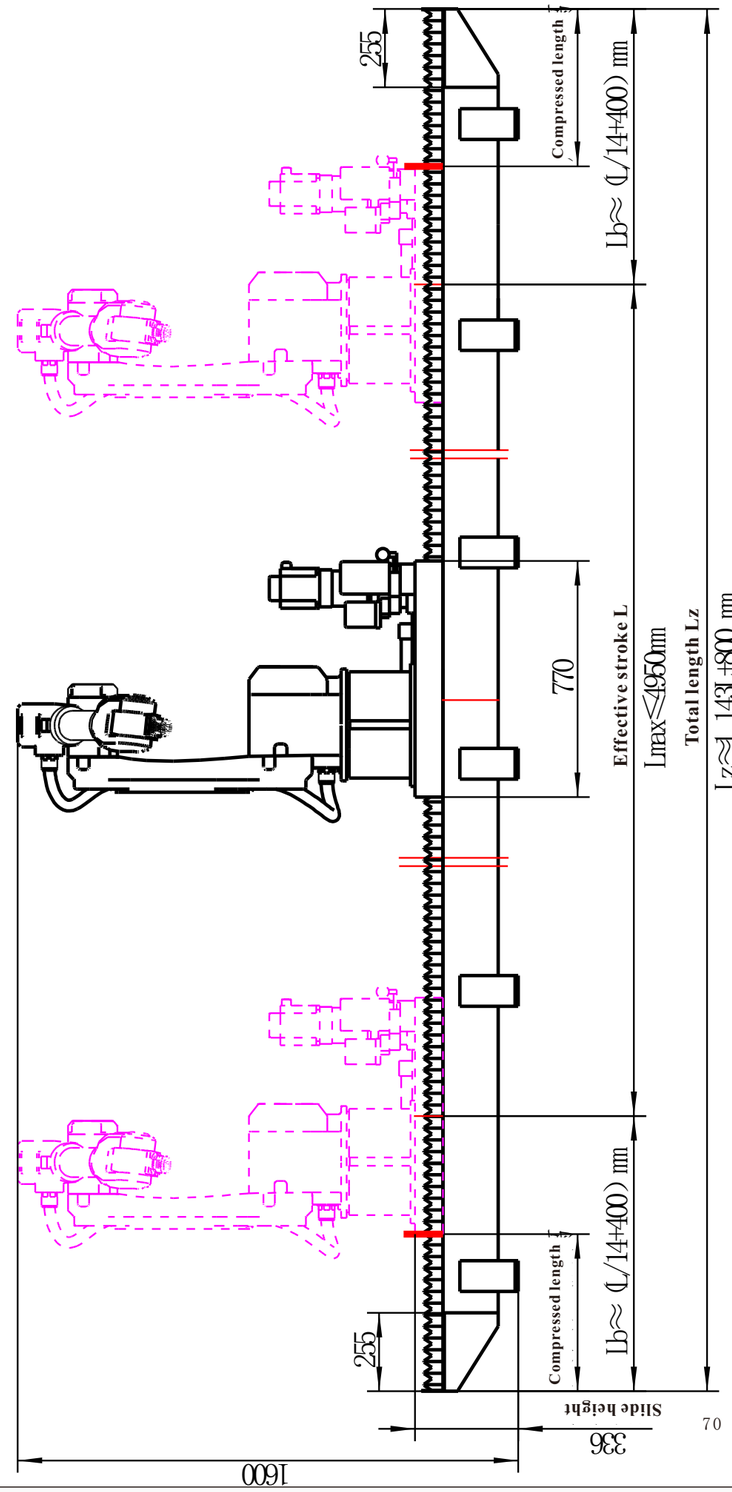
Hanging line tracking and spraying

The multi-functional small-scale high-performance multi-purpose robot has a fast response speed. The robot body has added a walking slide rail, which can track and spray the products on the water line, achieving more than twice the efficiency of ordinary operations. The picture shows the company's plastic product assembly line tracking and spraying site for customers.



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Diagram of 7-axis Robot Motion Range



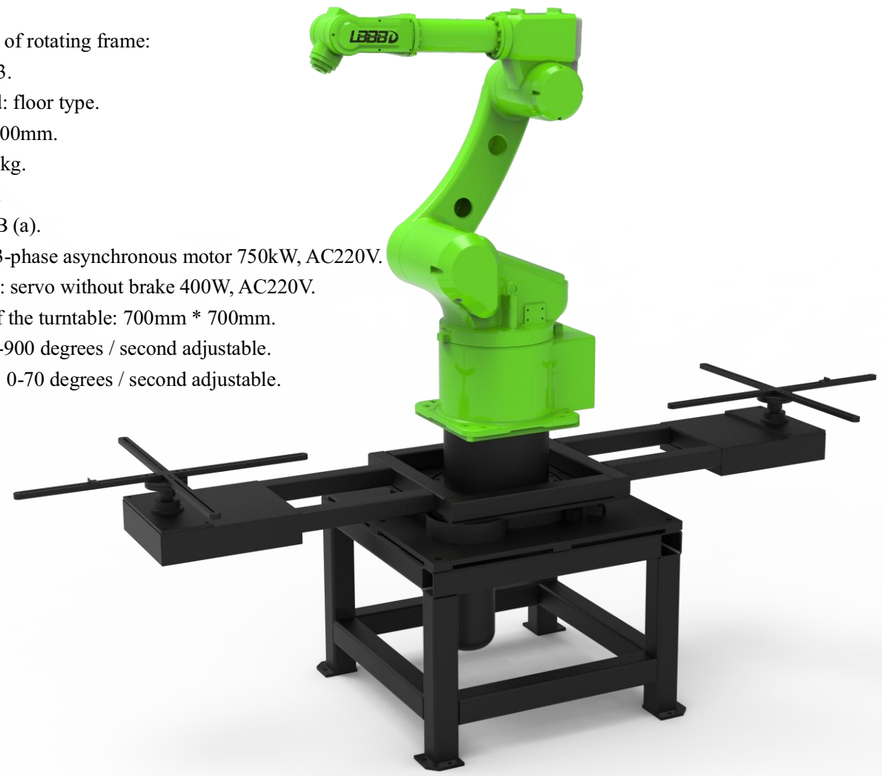
Note: the sliding table can carry any six axis manipulator of the company. Please refer to the specific chapters for the movement range of the manipulator

Nine-axis linkage spraying Robots

TR1010A-120_9

Main technical parameters of rotating frame:

1. Number of shafts: 3.
2. Installation method: floor type.
3. Active radius: ˜ 1200mm.
4. Maximum load: 10kg.
5. Rated power: 2kW.
6. Noise level: = 60dB (a).
7. Revolving motor: 3-phase asynchronous motor 750kW, AC220V.
8. Self rotating motor: servo without brake 400W, AC220V.
9. Cross dimension of the turntable: 700mm * 700mm.
10. Rotation speed: 0-900 degrees / second adjustable.
11. Revolution speed: 0-70 degrees / second adjustable.



Applicable Cases

Nine-axis linkage spraying Robots

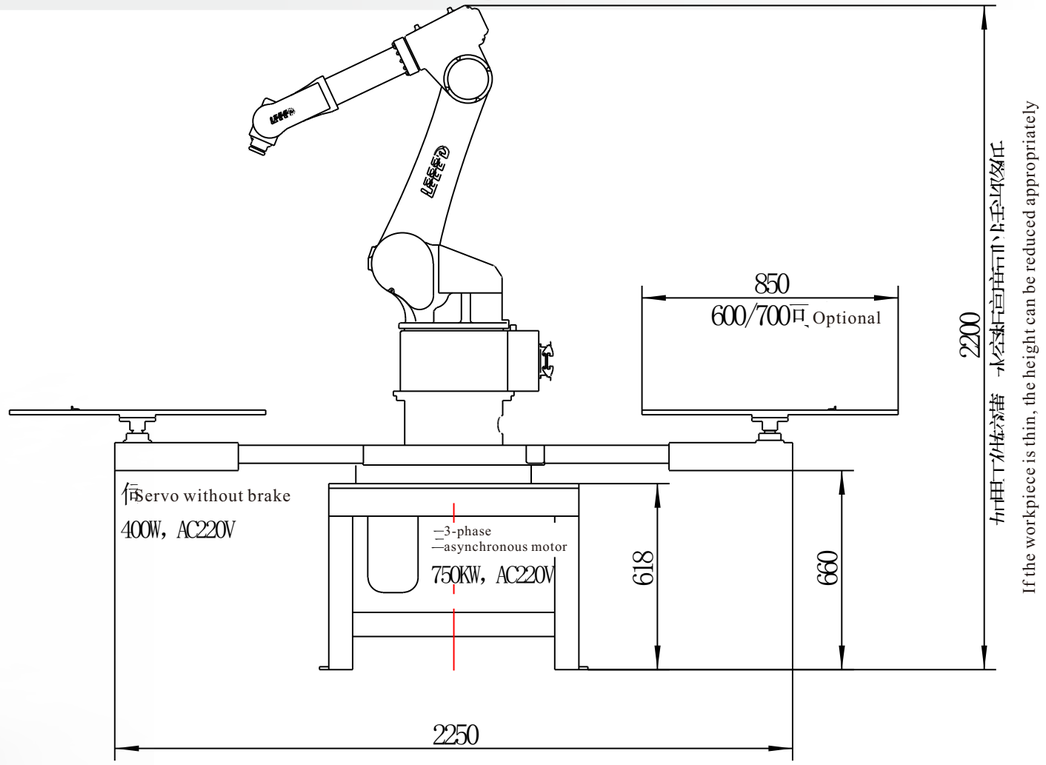
This model is composed of an industrial six axis robot and a three-axis rotating frame, with a total of nine axes.This is the site diagram of the production workshop where the company installed two nine axis Spraying Robots for a customer.

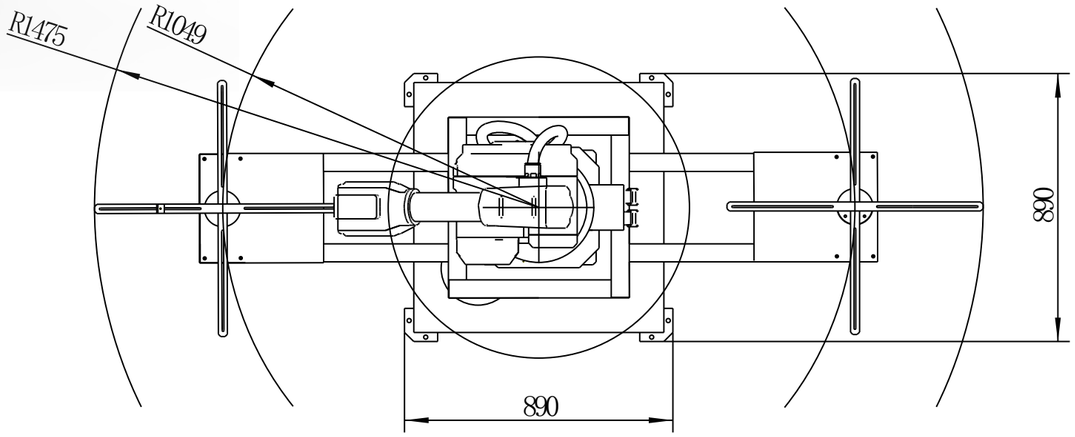


Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Troysupply.com

Diagram of 9-axis Rotary Carriage Motion Range

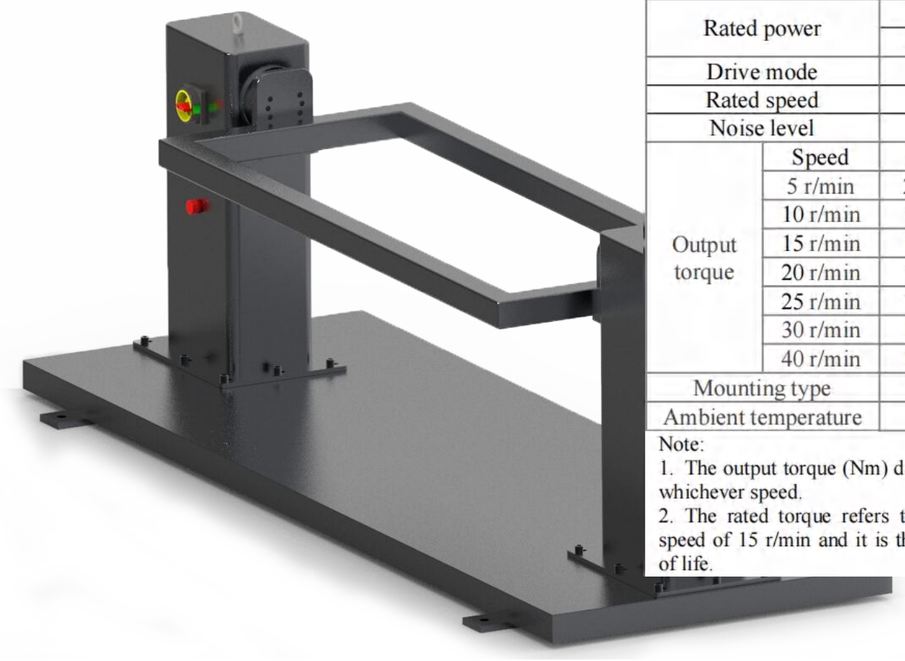




Note: the default matching manipulator of this equipment is LT1500-B-6. Please refer to the previous catalog for the motion range diagram and relevant specific parameters.

Single-axis Positioners

BWJ-E/BWJ-F



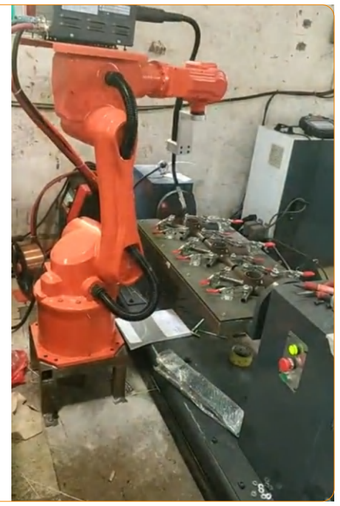
Product name		Single-axis positioner	
Max. payload		BWJ-F	100 kg
		BWJ-G	200 kg
Rated power		BWJ-F	750 W
		BWJ-G	1500 W
Drive mode		Servo drive	
Rated speed		15 r/min	
Noise level		≤60 dB	
Output torque	Speed	BWJ-F	BWJ-G
	5 r/min	235 Nm	575 Nm
	10 r/min	190 Nm	465 Nm
	15 r/min	170 Nm	415 Nm
	20 r/min	155 Nm	380 Nm
	25 r/min	145 Nm	353 Nm
	30 r/min	135 Nm	335 Nm
	40 r/min	125 Nm	310 Nm
Mounting type		Floor	
Ambient temperature		-20 °C~80 °C	

Note:
1. The output torque (Nm) determines a constant life at whichever speed.
2. The rated torque refers to the torque at an output speed of 15 r/min and it is the basis for the calculation of life.

Applicable Cases

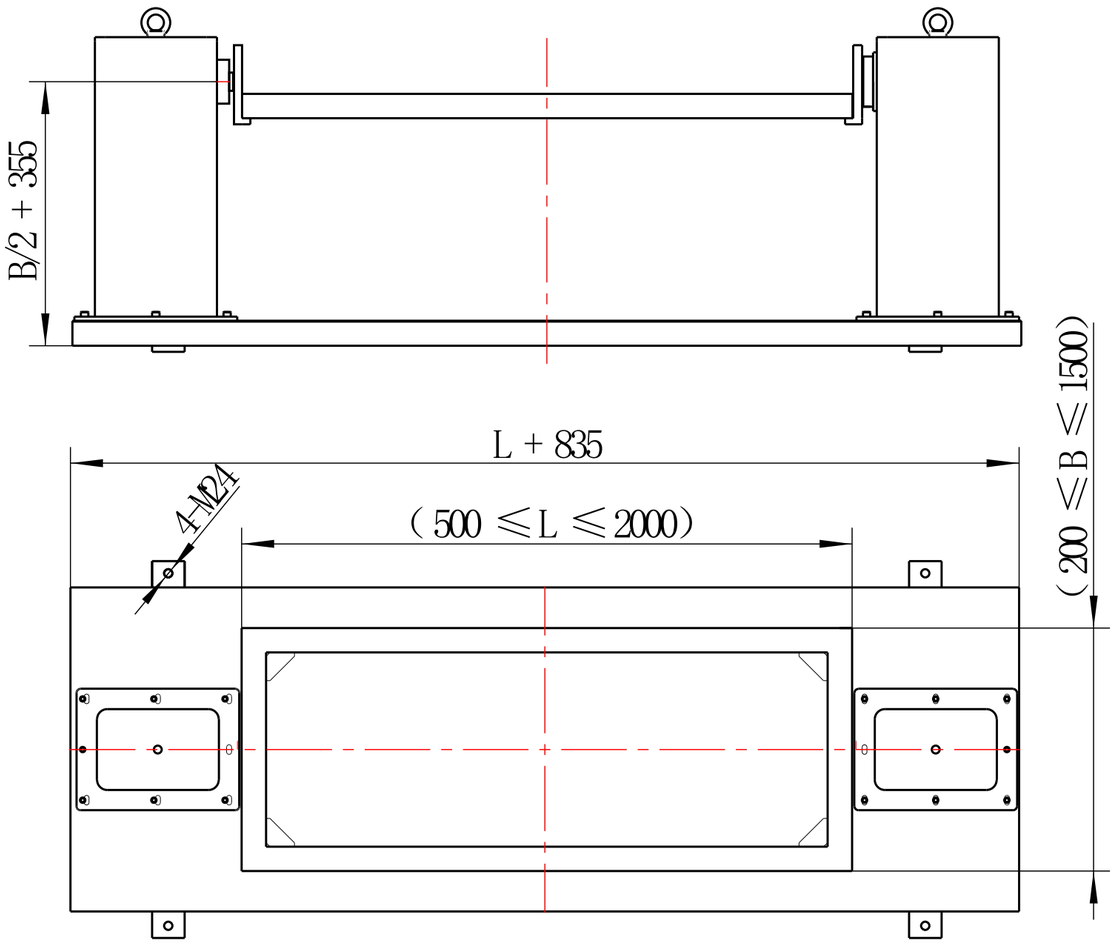
Welding of complicated irregular parts

Single-axis positioner is the auxiliary equipment dedicated to welding. It is generally used for the welding of complicated parts. The positioner can turn ±180° in the horizontal direction and work in combination with welding robots, thereby significantly expanding the types of parts the robots can weld. The figure shows a customer's shop where a single-axis positioner is used with our welding robot for the welding of round pipes.



Note: Avoid exposure to flammable, explosive and corrosive gases and liquids; no water, oil or powder spills; keep away from electrical apparatus noise sources (plasma).

Drawing of Overall Dimensions of Single-axis Positioner



Features of Robot Control System

- Structural optimization algorithm suitable for the body control of various types of structure.
- Modular setting of functions suitable for diverse applications.
- 8-axis control realizes the control of external axes (traveling axes and positioner).
- Suitable for multiple increments; absolute servo.
- Open structure for synchronization of international technology and extension of functions.
- Software PLC functions facilitate logic control.
- Process functions make programming easy.
- Improved computer bus connection ensures reliability and practicability.
- Safety module ensures safe production of the robots.
- Industrial standards &reliable stability.



- LEBAOT robot control system;
- 8-axis robot free control;
- Online teaching panel.

Technical Data of Robot Control System

Storage	2 GB
Teaching box	Full keyboard+touch screen, mode select switch, safety switch, emergency switch
No. of controlled axes	6+2 axes, 6 basic axes +2 external axes
Interface	Multiple encoder signal interfaces, dedicated interface fo terminal, Ethernet interface, serial communication
Safety module	The emergency and robot anomaly signals are linked to ensu stop of the robot
Mode of operation	Teaching, representation, remote control
Mode of programming	Online teaching, process programming, teaching by dragging
Motion function	Point-to-point, linear, circular
Command system	Motion, logic, process, computation
Mode of control	Position control
Fault detection	Emergency stop fault, servo fault, anti-collision, safety maintenance, arcing fault, user coordinate fault, tool coordinate fault



Robot factory for improveing your management system



High-level robot scheme for improving production performance

A dynamic robot model integrated in the system offers continuous computation of the torque produced by each drive and the robot makes compensation accordingly. It has the following strengths:

- It can be controlled within the mechanical limit at any time, thereby extending the robot life;
- The cycle time can be gained through optimized use of physical limits;
- Highly precise motion paths are obtained based on minimized path error;
- The cost is reduced through optimization of robot design.

Suitable for Any Complicated Applications

Applications requiring high synchronization precision of robots, such as painting, binding and welding. The dynamic paths and dynamic motion behaviors must comply with the strict requirements, so highly efficient robot technology can ensure correct operations.

- Realize high synchronization of motion and operation based on trigger points with prediction functions.
- Constant traveling speed can be kept even in volatile environment, thereby ensuring high-quality treatment processes.
- Precise Cartesian paths are used for all geometric models of the robots.

Easy to Learn & Easy to Operate

※ The hardware of all electric appliances adopts imported famous high-quality accessories;

※ The software is the Chinese operating system developed by our company;

※ Easy to learn: you can master their operation in 2 h.

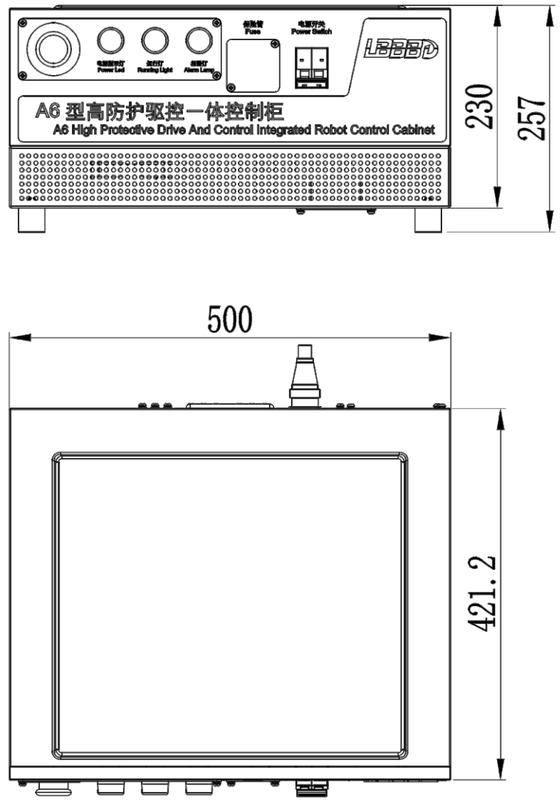


A6 Control Cabinet





Control Cabinet Dimensions



Instructions for Accessories Welding equipment

1. Max. operating distance of teaching device and robot electric cabinet

The standard cable length of the teaching device is 5 m; the standard cable of the robot and electric cabinet is 3 m long.

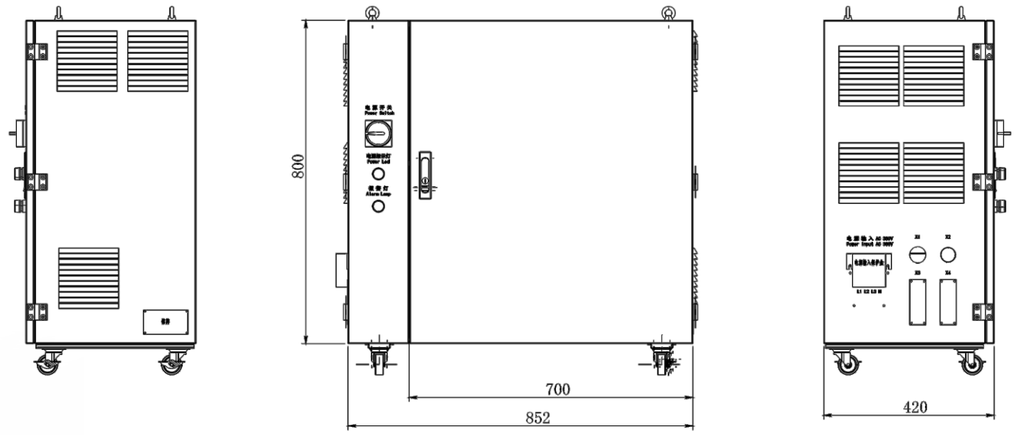
2. Max. distance between robot and electric cabinet

This distance is the length of the straight-through cable. It is generally 6 m by default. Other lengths can be customized.

B6 Control Cabinet



Control Cabinet Dimensions



Instructions for Accessories Welding equipment

1. Max. operating distance of teaching device and robot electric cabinet

The standard cable length of the teaching device is 5 m; the standard cable of the robot and electric cabinet is 3 m long.

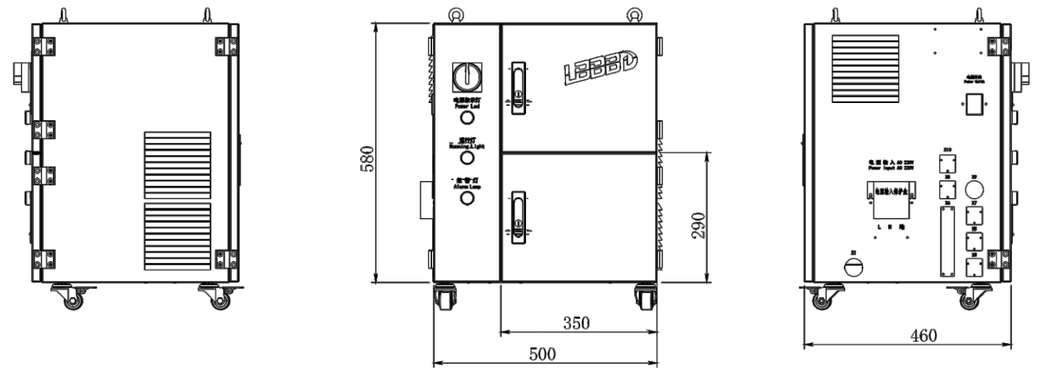
2. Max. distance between robot and electric cabinet

This distance is the length of the straight-through cable. It is generally 6 m by default. Other lengths can be customized.

A8 Control Cabinet



Control Cabinet Dimensions



Instructions for Accessories Welding equipment

1. Max. operating distance of teaching device and robot electric cabinet

The standard cable length of the teaching device is 5 m; the standard cable of the robot and electric cabinet is 3 m long.

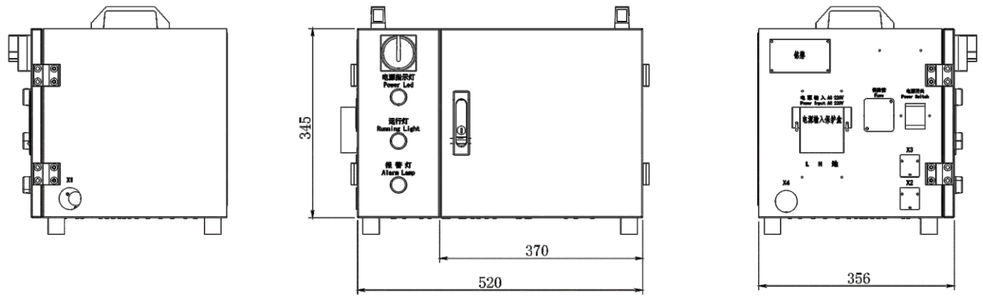
2. Max. distance between robot and electric cabinet

This distance is the length of the straight-through cable. It is generally 6 m by default. Other lengths can be customized.

A4 Control Cabinet



Control Cabinet Dimensions



Instructions for Accessories Welding equipment

1. Max. operating distance of teaching device and robot electric cabinet

The standard cable length of the teaching device is 5 m; the standard cable of the robot and electric cabinet is 3 m long.

2. Max. distance between robot and electric cabinet

This distance is the length of the straight-through cable. It is generally 6 m by default. Other lengths can be customized.

Application of Industrial Robots

Industrial robots are high-tech automated equipment integrating advanced technologies of machinery, electronics, control, computer, sensor, artificial intelligence and various other disciplines. They can meet the requirements of such operations as spot welding, arc welding, cutting, grinding, handling, palletizing, painting and parts inspection.

Loading & unloading robots for machine tools

- Loading, unloading and transfer robot solutions for NC machines tools and machining centers;
- Loading and unloading robots for stamping operations and stamping presses with which they are connected;
- Loading and unloading robot solutions for other hardware.



Palletizing and handling robots

- 10 kg\20 kg palletizing robots are widely used in various applications;
- Use of robots for picking, loading and positioning of materials on customer's conveyors as well as packaging;
- Robot handling cases and solutions for food, plastics, chemical fertilizers and other industries.



Spray painting robot

- Ceramic closestool and bathroom accessory enameling robot solutions;
- Toy and home appliance enclosure painting;
- Plastic product surface painting, and use in combination with corresponding water curtains;
- Automobile and machine tool enclosure painting solutions.



Product Exhibition Center

Erbidi has participated in exhibitions in Shanghai, Wenzhou, Shenzhen, Dongguan and other places, where the main exhibits are general-purpose robots.

6-axis robot　Loading & unloading for stamping　Loading & unloading for NC laths　Water curtain painting robot　Plastic parts loading &unloading robot





- Robot Exhibition LT1500-B-6





- Robot Exhibition LB2400-F-4





- Robot Exhibition LP900-A-5

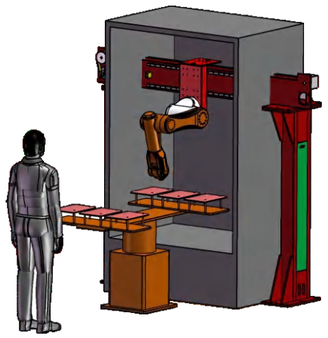
Automation Engineering Services

Engineering Services

Erbidi Engineering Department is engaged in industrial robot production and control system R&D services and can offer a full range of services for the field of industrial automation, including engineering design, product design, hardware integration, software programming, field commissioning, customer training and aftersales maintenance, etc.

System Integration

- Customized automation system solutions complying with production process requirements
- Professional and complete engineering technical support
- Advanced software design and implementation capability
- Safe and effective engineering commissioning
- Complete aftersales technical service system



● Spray painting Robot Solution for a Customer



● Welding Robot Application

System Upgrade & Continuous Optimization

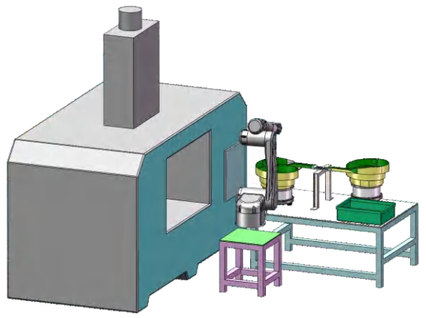
- Reduced equipment investment pressure, more product specifications and varieties, and improved quality;
- Continuous upgrade can ensure stable equipment operation and significantly enhance labor efficiency;
- System improvement makes the system run at higher speed and improves productivity;
- The integrity of equipment functions is maintained;
- The performance is upgraded and optimized and functions required by customers are added;
- Faults occurring in the operation of old system versions are avoided;
- The robot kinematic control algorithm is continuously optimized, making it suitable for the control of various types of structures;
- Modular function setting is optimized, thereby expanding their applications.

Professional Non-standard Customization

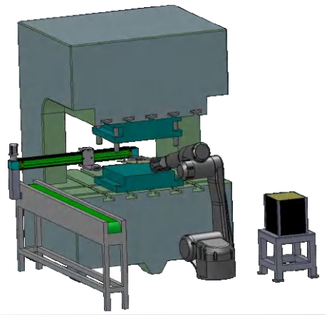
Customization of Integrated Robot Support Solutions and Design of Painting Equipment Application Lines for Customers

- Professional non-standard design engineering team, diverse design styles, and demonstration to customers in the form of 3D, CAD, animation, etc.;
- Non-standard design to support robot motions can enhance robot efficiency;
- Non-standard simulation can be introduced for project design, so that customers can reduce costs before investment;
- Humanized design enhances the flexible application of equipment.

Humanized Nonstandard Design and More Knowledge of Customer Desired Effects



■ Loading, Unloading and Transfer Equipment for Machine Tool



■ Loading, Unloading and Transfer Equipment for Stamping

Customer Application Cases

Videos of Erbidi Customer's Field Applications (Scan the QR code with your mobile phone and you can watch the corresponding video of application)

As customers require keeping their sites confidential, the videos on our official website are not open to the outside world.
If you want to watch the videos, ask our customer service staff on the official website for the password.

Connection of Multiple Robots with Multiple Stamping Presses

Erbidi robots used for loading and unloading for stamping operations are mainly LT1500 and LST1000, since they are quite flexible and highly precise and can realize such actions as rotation and grabbing freely. The robots have 6 axes in total and a reach of 1.5 m.

1 Loading and Unloading Robot Serving 4 NC Machine Tools

The standard number of NC machine tools for which a robot offers loading and unloading services is 2 sets. It is subject to the customer's requirements. If the production time of a workpiece is long, one robot may serve more machine tools. The video shows the 1-for-4 operating mode. The manufacturer extends the traveling path of the robot with guideway, so that the robot works more smoothly and is more easily connected.

Robot+Gantry+Multiple Spray Guns Operating Mode

The gantry painting robot is mainly used for the painting industry where a water curtains are installed. The video shows a customer's use of the gantry robot and 3 spray guns for simultaneous painting of products on the production line. It features excellent performance and high speed.

Application of Loading and Unloading Industrial Robot for NC Machine Tools

The LT1850 robot is working at the customer's shop where 1 robot is carrying out loading and unloading processes and picking and transfer of materials for 2 NC lathes. It realizes stable performance and safe production in the production process.

For more videos, please visit our official website where you will see more cases of our customer's applications!

Technical Support



24*72 h online service on our official website!
Please visit our official website!
400 technical service hotline: **400-0528-058**
We collect and answer questions on our website!
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Our members can download case videos and robot instruction manuals.
www.lbdrobot.com We offer solutions to your problems!



