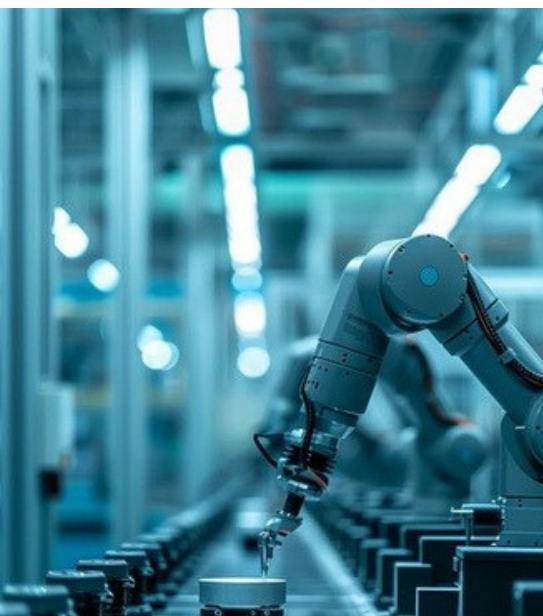


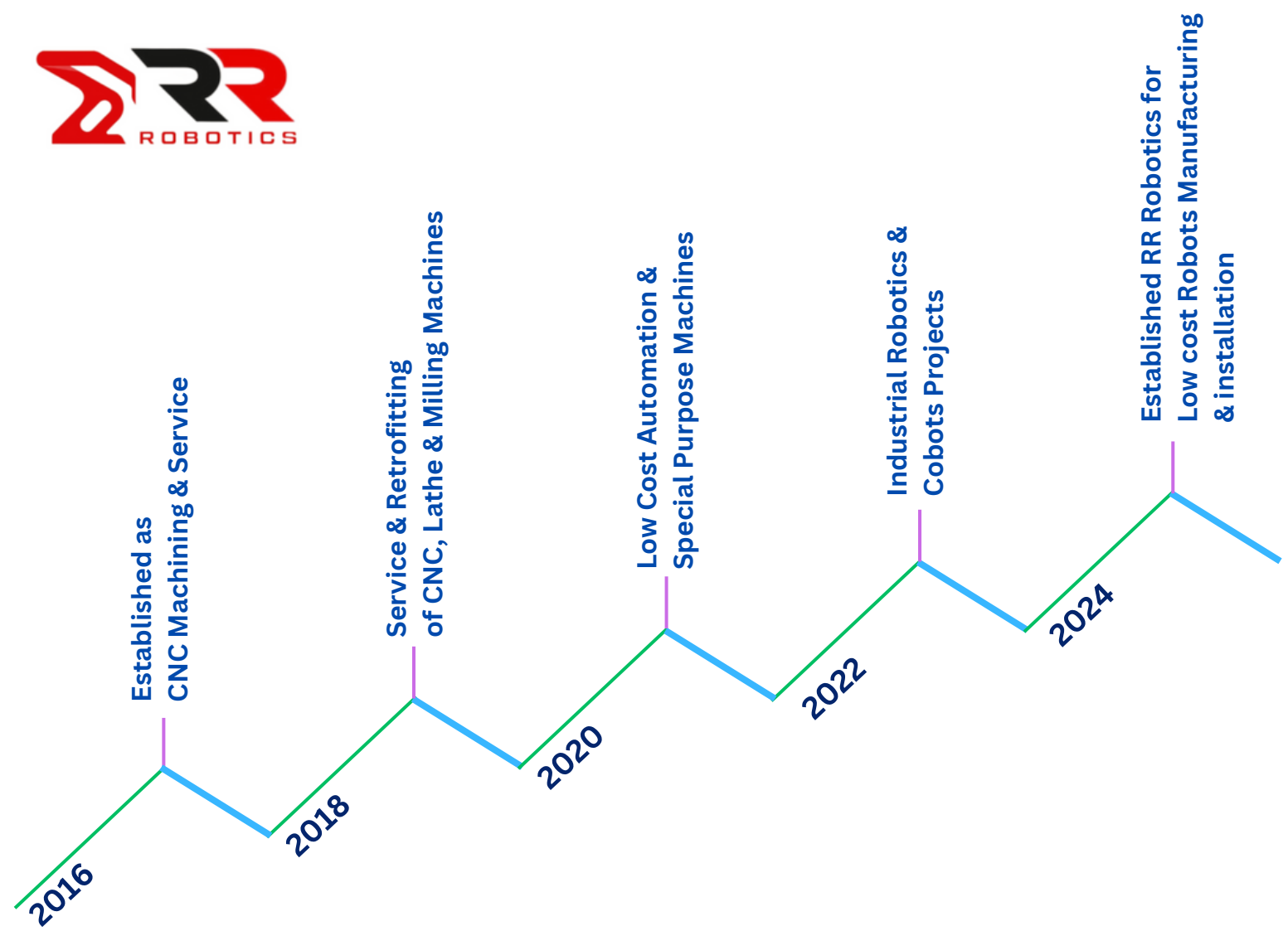
PRODUCT CATALOG

industrial robots / Welding Robots / Stacking / Part Transfer
Assembly Line Automation & Development
Special Purpose Machines & Controllers

We are the dealers of
Industrial Robots suitable for

- Pick & Place
- Stacking & Pallatizing
- Welding
- Sprey/ Painting
- CNC part change
- Injection Moulding part unloading





Welcome to RR Robotics

Founded in 2016, we began our journey as a dedicated service provider specializing in CNC machine services under the banner of SLT. Over the years, our expertise and commitment to quality led us to expand into the development of special-purpose machines for various industries.

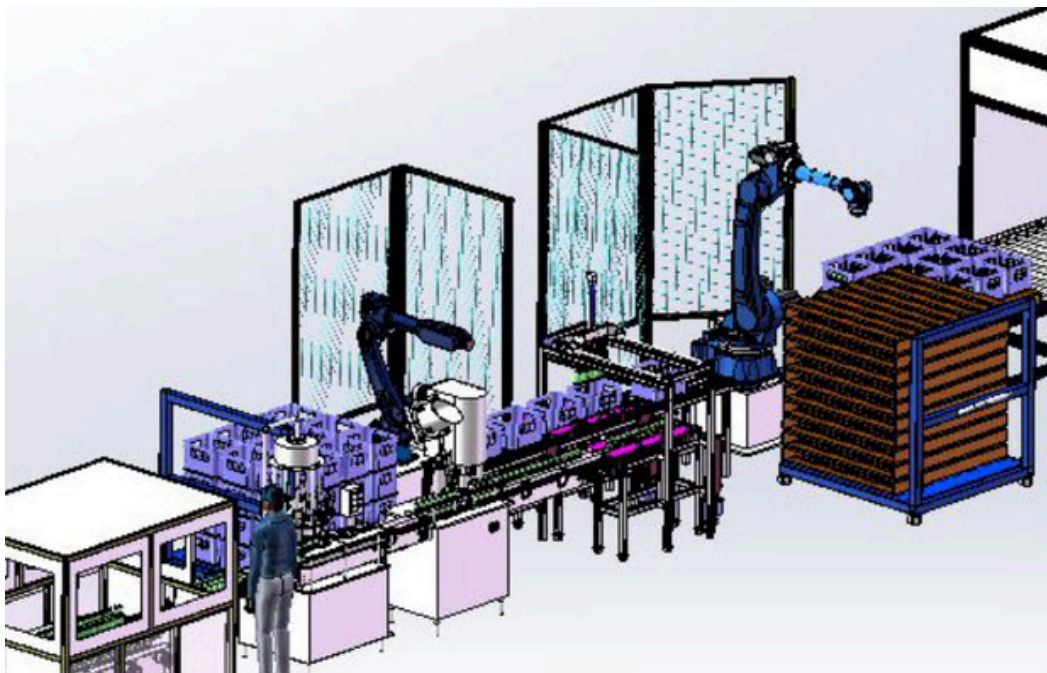
Recognizing the growing demand for advanced automation, we ventured into robotics in 2020, offering innovative solutions tailored to the specific needs of our clients. Building on this success, we are proud to announce the launch of our new venture, RR Robotics.

we offer:

- **Advanced Robotics:** Our robots are designed to handle a wide range of tasks, from assembly and material handling to inspection and packaging.
- **Customized Solutions:** We understand that every operation is different, so we provide customized solutions to meet your specific requirements.
- **Expert Support:** Our team of engineers and technicians are available to assist with installation, training, and ongoing support, ensuring seamless integration and maximum uptime

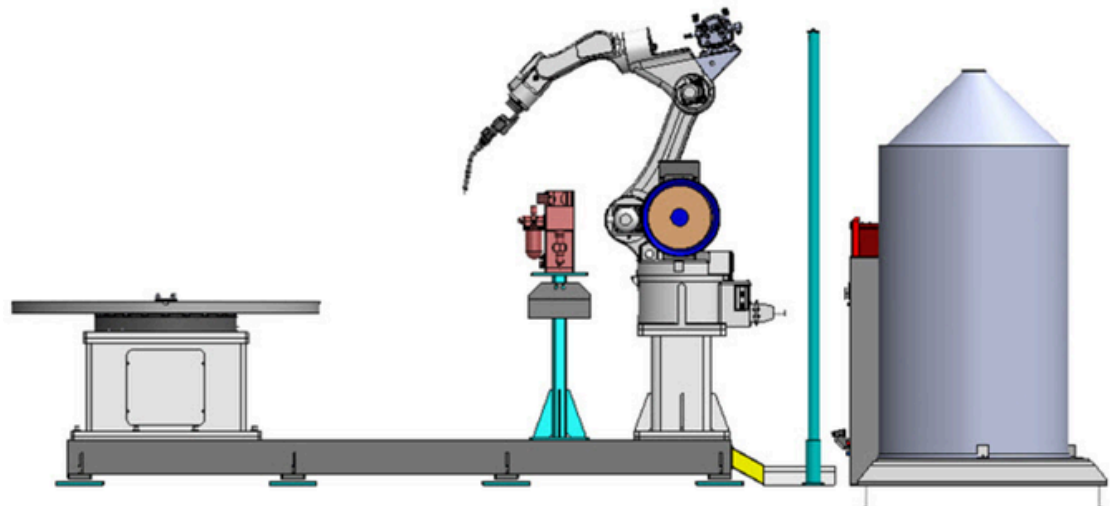
Thank you for being part of our journey. We look forward to continuing to serve you with excellence.

The 6-axis robot can simultaneously operate 3 machines, efficiently handling loading and unloading tasks for CNC machining processes



Pick & Place is a less complex yet tiring for operators. This can be easily 'handles by our Robots 24 x 7 without any fatigue and repetition will be accurate

6 Axis Robots can do the welding operations more precisely with an impeccable accuracy & repeatability



RRBRTIRUS0401A

Product Features

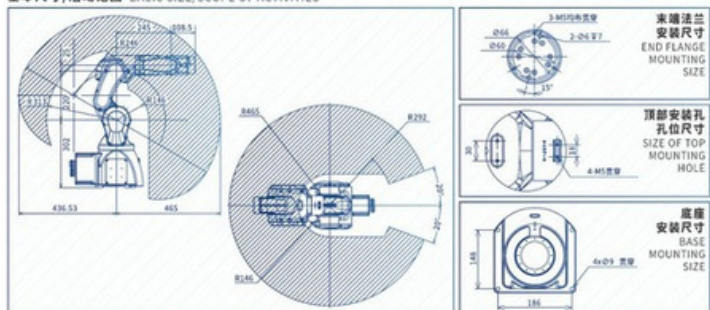
RRBRTIRUS0401A is designed for the operation environment of micro and small parts. It is suitable for small parts assembly, sorting, detection and other operations. The rated load is 1 kg, the arm span is 465mm, and it has the highest level of operation speed and a wide range of operation among six-axis robots with the same load. It features high precision, high speed and high flexibility. The protection grade reaches IP54. Dust-proof and water-proof. The repeat positioning accuracy is $\pm 0.06\text{mm}$



Main Specification

机型/Model	项目/Item	手臂/Arm					臂展(mm) Arm length	负载(kg) Loading ability	重复定位精度(mm) Repetitive position accuracy	电源容量(kVA) Power Source	重量(kg) Weight			
		J1	J2	J3	J4	J5								
RRBRTIRUS0401A	臂展(mm) Arm length	地面-2轴范围 Floor 2 axis range 200mm		2-3轴范围 2-3 axis range 220mm		3-5轴范围 3-5 axis range 240mm		5轴-末端范围 5 axis end range 465mm		465	1	±0.06	3	约21 about 21
	范围/range	±160°		-120°~+60°		±180°		±120°						
	最大速度/Max speed	324°/s		297°/s		337°/s		342°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRUS0805A

Product Features

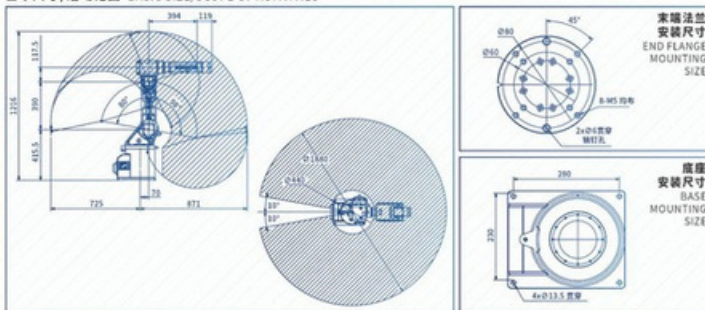
RRBRTIRUS0805A type robot is a Six-axis robot that developed to make the whole operation system is simple, compact structure, high position accuracy and has good dynamic performance. The load ability is 5kg, especially suitable for injection moulding, taking, stamping, handling, loading and unloading, assembly, etc. It is suitable for injection molding machine range from 30T-250T. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



Main Specification

机型/Model	项目/Item	手臂/Arm					手腕/Wrist					臂展/arm length	负载/kg Loading ability	重复定位精度/mm Repeat positioning accuracy	电源容量/kVA Power Reserve	重量/kg Weight
		J1	J2	J3	J4	J5	J6	J7	J8	J9						
RRBRTIRUS0805A	臂展/Arm Length	地面-2轴范围 Floor 2 axis range 425mm		2-3轴范围 2-3 axis range 380mm		3-5轴范围 3-5 axis range 390mm		5轴-末端范围 5 axis end range 1230mm			940	5	±0.05	2.8	约53 about 53	
	范围/range	±170°		-90°~90°		±180°		±120°								
	最大速度/Max speed	237°/s		267°/s		370°/s		337°/s								

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRUS0707A

Product Features

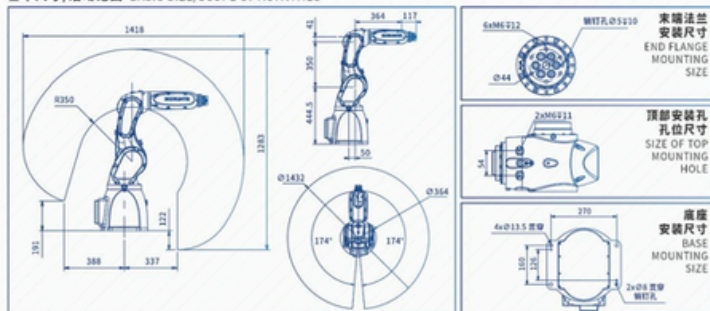
RRBRTIRUS0707A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 700mm. The maximum load is 7kg. It's flexible with multiple degrees of freedom. Suitable for polishing, assembling, painting, etc. The protection grade reaches IP65. Dustproof and water-proof. The repeat positioning accuracy is $\pm 0.03\text{mm}$.



Main Specification

机型/Model	项目/Item	手臂/Arm						臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeat positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight		
		J1	J2	J3	J4	J5	J6							
BARTIRUS0707A	臂展(mm) Arm Length	地面-2轴范围 Floor 2 axis range 640mm		2-3轴范围 2-3 axis range 260mm		3-5轴范围 3-5 axis range 260mm		5轴-末端范围 5 axis end range 1270mm		700	7	±0.03	3	约55 about 55
	范围/range	±174°		-120°~+80°		40°~175°		±180°						
	最大速度/Max speed	220.8°/s		270°/s		375°/s		308°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRPH1210A

Product Features

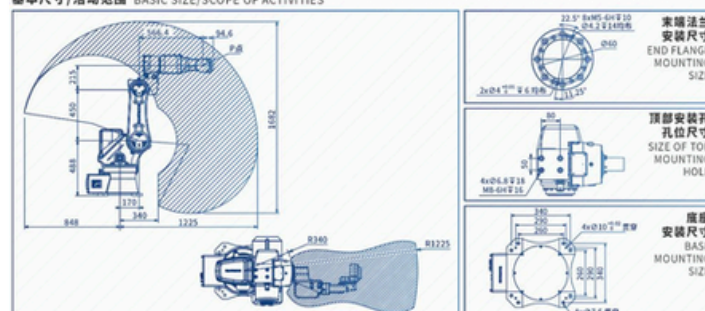
RRBRTIRPH1210A is a six-axis robot developed for the welding, deburring and grinding application industries. It is compact in shape, small in size, light in weight, with a maximum load of 10kg and an arm span of 1225mm. Its wrist adopts a hollow structure, which makes the wiring more convenient and the movement more flexible. The first, second and third joints are all equipped with high precision reducers, and the fourth, fifth and sixth joints are all equipped with high-precision gear structures. The high-speed joint speed enables flexible operation. The protection grade reaches IP54. Dust-proof and water-proof. The repeat positioning accuracy is $\pm 0.07\text{mm}$.



Main Specification

机型/Model	项目/Item	手臂/Arm						臂展/Arm Length	负载/kg Loading ability	重复定位精度/mm Repeatability positioning accuracy	电源容量/kVA Power Source	重量/kg Weight				
		J1	J2	J3	J4	J5	J6									
RRBRTIRPH1210A	臂展/Arm Length	3-2轴水平范围 3-2 axis horizontal range 170mm		地面-2轴范围 Floor 2 axis range 480mm		2-3轴范围 2-3 axis range 400mm		3-5轴水平范围 3-5 axis horizontal range 1230mm		5轴垂直范围 5 axis vertical range 2360mm		1225	10	±0.07	7	约55 about 55
	范围/range	±140°		-90°~+90°		±180°		-130°~+130°		±260°						
	最大速度/Max speed	164°/s		149°/s		185°/s		384°/s		390°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRZX0805A / Cobot

Product Features

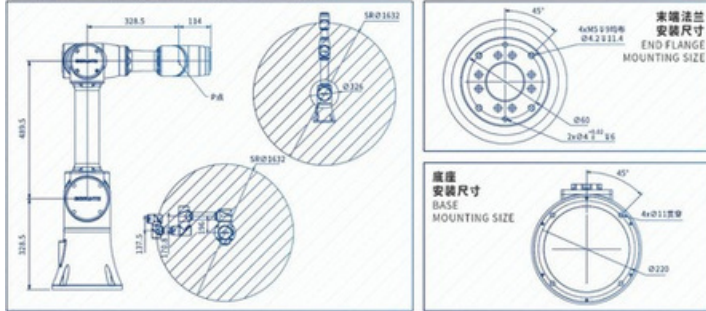
RRBRTIRZX0805A is a six-axis cooperative robot with drag-teaching function. 8 kg payload and a arm length of 816 mm. It has the functions of collision detection and track reproduction. It is safe and efficient, intelligent and easy to use, flexible and light, economical and reliable, low power consumption and other characteristics, which greatly meet the needs in man-machine cooperation. Its high sensitivity and quick response can be applied to high density flexible production line, to meet the needs of product packaging, injection moulding, loading and unloading, assembly and other operations, The protection

grade reaches IP54. Dust-proof and waterproof, The repeat positioning accuracy is $\pm 0.05\text{mm}$.

Main Specification

机型/Model	项目/Item	手臂/Arm						臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源功率/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRZX0805A	臂展/Arm Length	816mm	816mm	816mm	816mm	816mm	816mm	816	8	± 0.05	2	约35 about 35
	速度/Speed	±360°/s	±150°/s	±150°/s	±360°/s	±150°/s	±360°/s					
	最大速度/Max speed	138°/s	118°/s	118°/s	178°/s	178°/s	178°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRWD1506A

Product Features

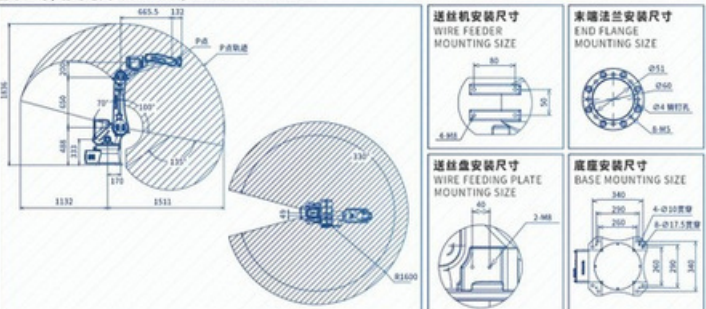
RRBRTIRWD1506A six-axis industrial robot designed for the development of the welding application industry. The robot has compact structure, small volume and light weight. The maximum load is 6kg, the maximum arm length is 1600mm. The wrist applies hollow structure with more convenient trace and flexible action.

The protection grade reaches IP54. Dust-proof and water-proof. The repeat positioning accuracy is $\pm 0.05\text{mm}$.

Main Specification

机型/Model	项目/Item	手臂/Arm						臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源功率/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRWD1506A	臂展/Arm Length	1600mm	1600mm	1600mm	1600mm	1600mm	1600mm	1600	6	± 0.05	6	约166 about 166
	速度/Speed	±165°/s	±100°/s	±80°/s	±150°/s	±110°/s	±360°/s					
	最大速度/Max speed	165°/s	100°/s	80°/s	150°/s	110°/s	360°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



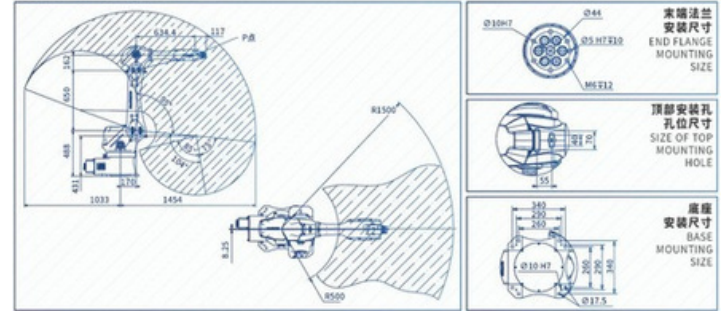
RRBRTIRUS1510A

Product Features

RRBRTIRUS1510A is a six-axis robot for complex applications with multiple degrees of freedom. The maximum load is 10kg, the arm length is 1500mm. Lightweight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace flexible work, meet the needs of flexible production. It has 6 degrees of flexibility. Suitable for painting, welding, loading, moulding, stamping, forging, handling, assembling, etc. It adopts HC control system. It is suitable for injection moulding machine range from 200T-600T. The protection grade reaches IP54. Dust-proof and water-proof. The repeat positioning accuracy is $\pm 0.05\text{mm}$.

机型/Model	项目/Item	手臂/Arm						臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源功率/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRUS1510A	臂展/Arm Length	1500mm	1500mm	1500mm	1500mm	1500mm	1500mm	1500	10	± 0.05	5.7	约110 about 110
	速度/Speed	±165°/s	±95°/s	±75°/s	±180°/s	±115°/s	±360°/s					
	最大速度/Max speed	165°/s	95°/s	75°/s	180°/s	115°/s	360°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRWD2206A

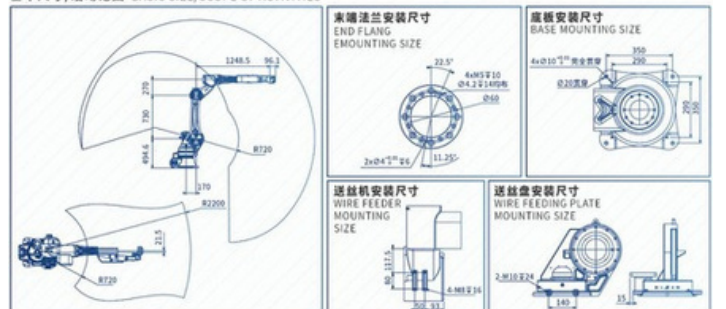
Product Features

RRBRTIRWD2206A six-axis robot is developed for welding application industry. The robot is compact in shape, small in size and light in weight. Its maximum load is 6kg and its arm span is 2200mm. Wrist hollow structure, more convenient line, more flexible action. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.08\text{mm}$.

Main Specification

机型/Model	项目/Item	手臂/Arm						臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源功率/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRWD2206A	臂展/Arm Length	2200mm	2200mm	2200mm	2200mm	2200mm	2200mm	2200	6	± 0.08	6.4	约237 about 237
	速度/Speed	±155°/s	±130°/s	±75°/s	±155°/s	±130°/s	±360°/s					
	最大速度/Max speed	155°/s	130°/s	75°/s	155°/s	130°/s	360°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRUS2110A

Product Features

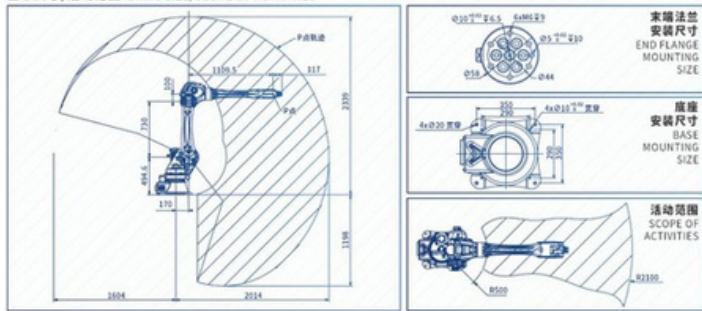
RRBRTIRUS2110A is a six-axis robot developed for complex applications with multiple degrees of freedom. The maximum arm length is 2100mm, The maximum load is 10kg. It has six degrees of flexibility. Suitable for welding, loading and unloading, assembling etc. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



Main Specification

机型/Model	臂长/Arm Length	手腕/Wrist			手腕/Wrist			臂长/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源容量/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRUS2110A	臂长/Arm Length	2.1米/2100mm	2.1米/2100mm	2.1米/2100mm	2.1米/2100mm	2.1米/2100mm	2.1米/2100mm	2100	10	± 0.05	6	约230/around 230
	范围/Range	$\pm 155^\circ$	$-90^\circ \sim 140^\circ$	$-75^\circ \sim 135^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	最大速度/Max speed	110°/s	140°/s	134°/s	273°/s	300°/s	330°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRUS1820A

Product Features

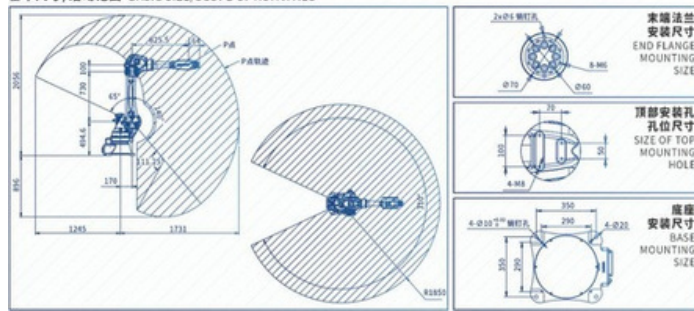
RRBRTIRUS1820A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. The maximum load is 20kg, the maximum arm length is 1850mm. Lightweight arm design, compact and simple me. chanical structure, in the state of high speed movement can be carried out in a small workspace flexible work, meet the needs of flexible production. It has six degrees of flexibility. Suitable for loading and unloading, injection machine, die casting, assembling, coating industry, polishing, detection etc. It is suitable for injection moulding machine range from 500T-1300T. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



Main Specification

机型/Model	臂长/Arm Length	手腕/Wrist			手腕/Wrist			臂长/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源容量/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRUS1820A	臂长/Arm Length	1.85米/1850mm	1.85米/1850mm	1.85米/1850mm	1.85米/1850mm	1.85米/1850mm	1.85米/1850mm	1850	20	± 0.05	6.2	约230/around 230
	范围/Range	$\pm 155^\circ$	$-140^\circ \sim 140^\circ$	$-75^\circ \sim 135^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	最大速度/Max speed	110°/s	140°/s	133°/s	273°/s	340°/s	375°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRSE2013A / Spraying Robot

Product Features

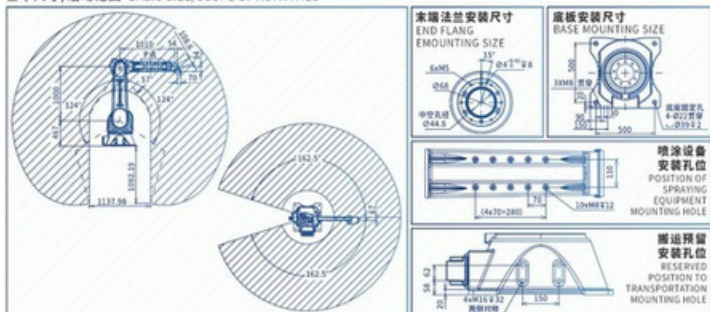
RRBRTIRSE2013A is a six-axis robot developed for the spraying application industry. It has an ultra-long arm span of 2000mm and a maximum load of 13kg. It has a compact structure, is highly flexible and technologically advanced, it can be applied to a wide range of spraying industry and accessories handling field. The protection grade reaches IP65. Dust-proof and water-proof. The repeat positioning accuracy is $\pm 0.5\text{mm}$.



Main Specification

机型/Model	臂长/Arm Length	手腕/Wrist			手腕/Wrist			臂长/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源容量/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRSE2013A	臂长/Arm Length	2.0米/2000mm	2.0米/2000mm	2.0米/2000mm	2.0米/2000mm	2.0米/2000mm	2.0米/2000mm	2000	13	± 0.5	4.3	385
	范围/Range	$\pm 162.5^\circ$	$\pm 124^\circ$	$-57^\circ \sim 237^\circ$	$\pm 180^\circ$	$\pm 180^\circ$	$\pm 360^\circ$					
	最大速度/Max speed	101.4°/s	105.6°/s	130.4°/s	368.4°/s	415.3°/s	545.4°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRUS2030A

Product Features

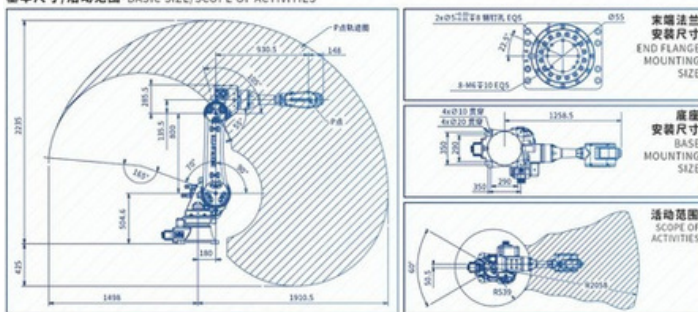
RRBRTIRUS2030A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. The maximum load is 30kg and the maximum arm length is 2058mm. The flexibility of six degrees of freedom can be used to handle the scenes such as injection parts taking, machine loading and unloading, assembly and handling. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.08\text{mm}$.



Main Specification

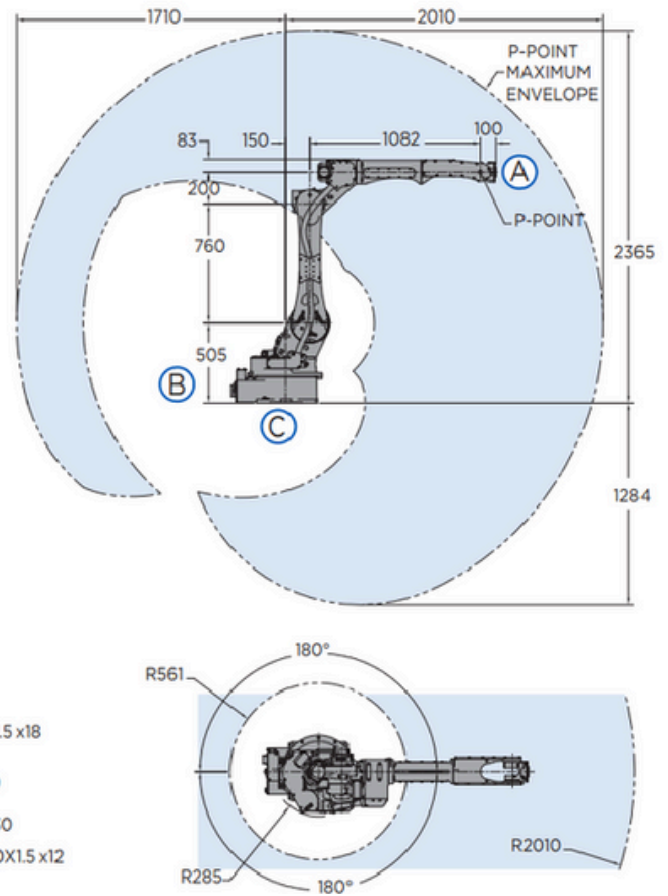
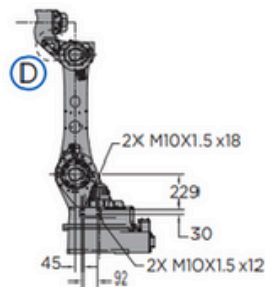
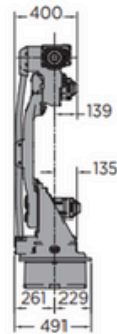
机型/Model	臂长/Arm Length	手腕/Wrist			手腕/Wrist			臂长/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability accuracy	电源容量/Power Source	重量/kg Weight
		J1	J2	J3	J4	J5	J6					
RRBRTIRUS2030A	臂长/Arm Length	2.058米/2058mm	2.058米/2058mm	2.058米/2058mm	2.058米/2058mm	2.058米/2058mm	2.058米/2058mm	2058	30	± 0.08	10.16	约310/around 310
	范围/Range	$\pm 150^\circ$	$-90^\circ \sim 120^\circ$	$-55^\circ \sim 105^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	最大速度/Max speed	102°/s	107°/s	127°/s	247°/s	370°/s	337°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES





MOTOMAN GP 25-12



SPECIFICATIONS

Axes	Maximum motion range	Maximum speed	Allowable moment	Allowable moment of inertia
	degrees	°/sec	N·m	kg·m ²
S	±180	210	-	-
L	+155/-105	210	-	-
U	+160/-86	220	-	-
R	±200	435	22	0.65
B	±150	435	22	0.65
T	±455	700	9.8	0.17

Specifications for GP25-12 with XP package may be different.

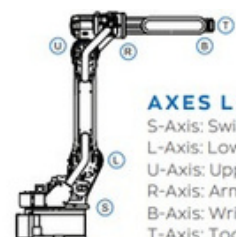
Mounting Options: Floor, Wall, Tilt or Ceiling

* The MLX300 software option is not available for use with arc or spot welding applications. MLX300 fieldbus cards, I/O cards and vision equipment must be purchased separately from the supplier. All peripherals are programmed using a PLC.

Item	Unit	GP25-12
Controlled axes		6
Maximum payload	kg	12
Repeatability	mm	0.03
Horizontal reach	mm	2,010
Vertical reach	mm	3,649
Weight	kg	260
Internal user I/O cable		17 conductors w/ ground
Internal user air line		(1) 3/8" connection
Power requirements		380-480 VAC
Power rating	kVA	2.0

OPTIONS

- Robot risers and base plates
- Extended length manipulator cables
- Wide variety of fieldbus cards
- External axes
- PLC integration via MLX300 software option*
- Functional Safety Unit (FSU)
- MotoSight™ 2D and 3D vision

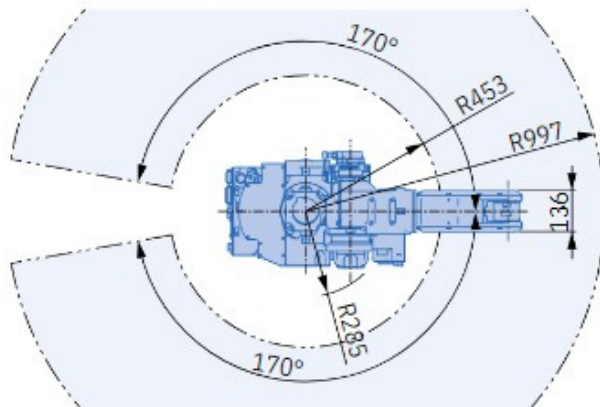
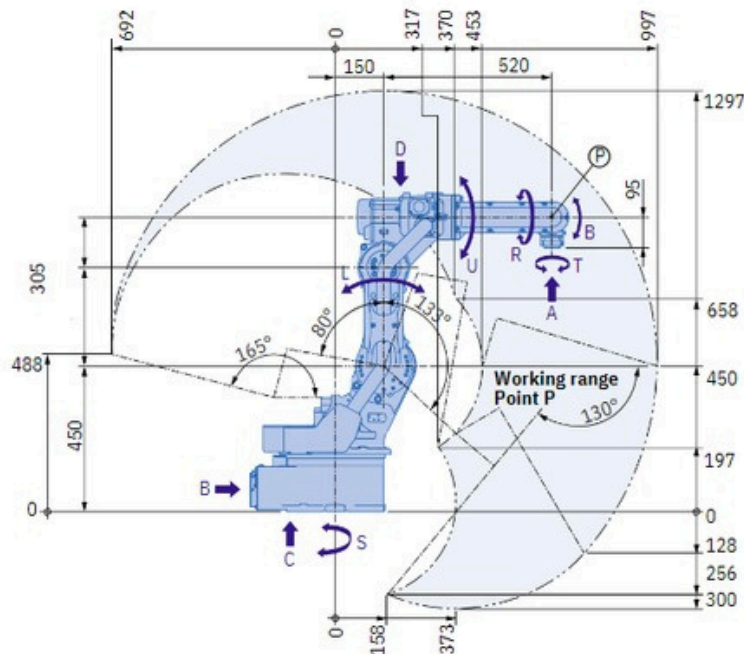


AXES LEGEND

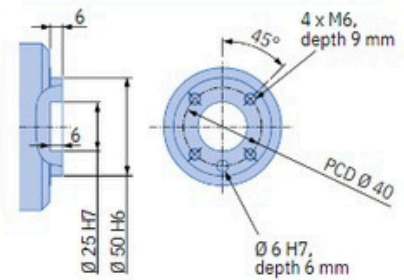
S-Axis: Swivel Base
L-Axis: Lower Arm
U-Axis: Upper Arm
R-Axis: Arm Roll
B-Axis: Wrist Bend
T-Axis: Tool Flange



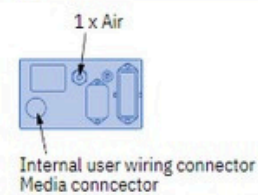
MOTOMAN MH6S, MH6S-10



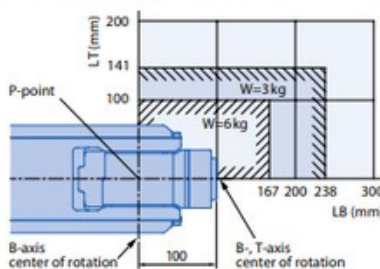
View A



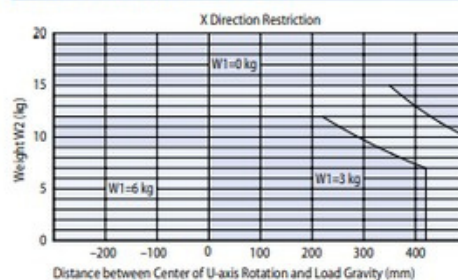
View B



Allowable wrist load



Allowable load on U-axis



Specifications MH6S, MH6S-10

Axes	Maximum motion range [°]	Maximum speed [°/sec.]		Allowable moment [Nm]		Allowable moment of inertia [kg · m²]		Controlled axes	
		MH6S	MH6S-10	MH6S	MH6S-10	MH6S	MH6S-10		
S	±170	220	200	—	—	—	—	Max. payload [kg]	MH6S MH6S-10 6 10
L	+133/-80	220	200	—	—	—	—	Repeat. pos. accuracy [mm]	±0.08
U	+165/-130	220	200	—	—	—	—	Max. working range [mm]	R = 997
R	±180	410	270	11.8	12.2	0.27	0.24	Temperature [°C]	0 to +45
B	+225/-45	410	270	9.8	14.2	0.27	0.21	Humidity [%]	20 - 80
T	±360	610	400	5.9	7.3	0.06	0.06	Weight [kg]	120
								Power supply, average [KVA]	1.5

BRTIRSC0603A

Product Features

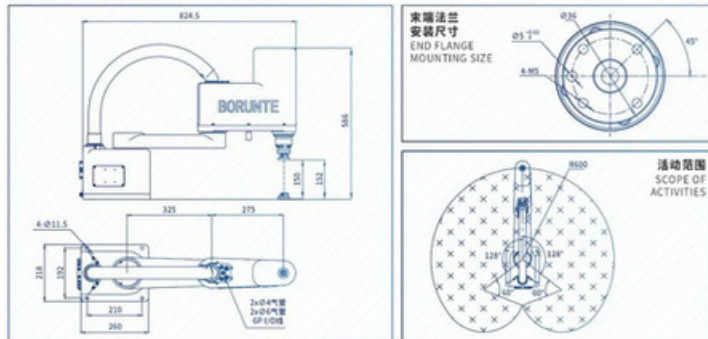
RRBRTIRSC0603A robot is a four-axis robot that for some monotonous, frequent and repetitive long-term operations. The maximum arm length is 600mm, The maximum load is 3kg. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile home furnishing, electronic equipment, and other fields. The protection grade reaches IP40. The repeat positioning accuracy is $\pm 0.02\text{mm}$.



Main Specification

机型/Model	型号/Item	手摆/Item			臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability	电源电压/Volt Power Source	重量/kg Weight
		J1	J2	J3					
BRTIRSC0603A	范围/Range	$\pm 120^\circ$	$\pm 140^\circ$	150mm	600	3	± 0.02	1.94	约28 about 28
	最大速度/Max Speed	480°/s	570°/s	900mm/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



BRTIRSC0810A

Product Features

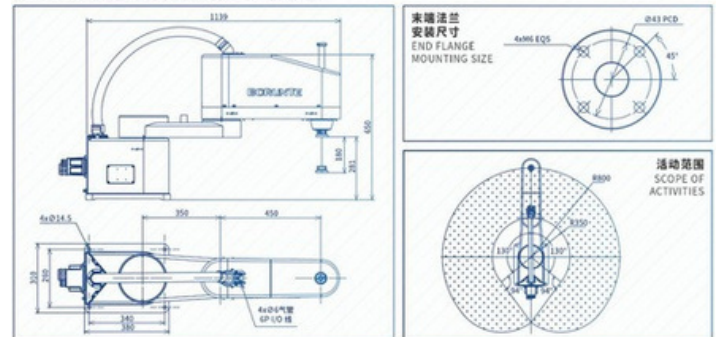
BRTIRSC0810A robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations. The maximum arm length is 800mm. The maximum load is 10kg. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile home furnishing, electronic equipment, and other fields. The protection grade reaches IP40. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



Main Specification

机型/Model	型号/Item	手摆/Item			臂展/Arm Length	负载/kg Loading ability	重复定位精度/Repeatability	电源电压/Volt Power Source	重量/kg Weight
		J1	J2	J3					
BRTIRSC0810A	范围/Range	$\pm 130^\circ$	$\pm 140^\circ$	180mm	800	10	± 0.05	4.1	约73 about 73
	最大速度/Max Speed	300°/s	473.5°/s	1130mm/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRPL1003A

Product Features

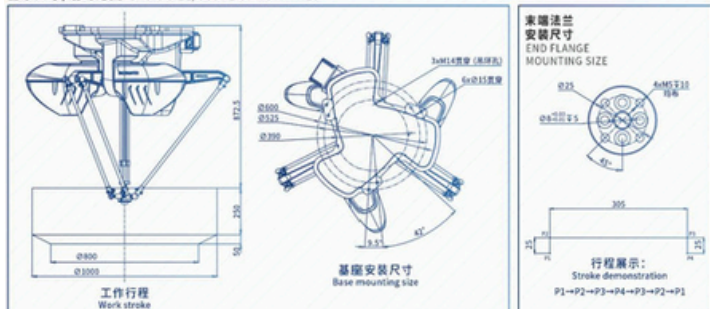
RRBRTIRPL1003A robot is a four-axis robot that developed by BORUNTE for assembly, sorting and other application scenarios of light, small and scattered materials. The maximum arm length is 1000 mm and the maximum load is 3kg. The protection grade reaches IP40. The repeat positioning accuracy is $\pm 0.1\text{mm}$.



Main Specification

机型/Model	型号/Item	主动臂/Motor Arm		臂展/Arm Length	负载/kg Loading ability	位置重复定位精度/Location repeatability	角度重复定位精度/Angle repeatability	允许负载最大转动惯量/Maximum allowable moment of inertia of load	电源电压/Volt Power Source	重量/kg Weight
		上摆/Upper	下摆/Lower							
RRBRTIRPL1003A	范围/Range	安装面-行程区域距离472.5mm Mounting surface to stroke distance 472.5mm		1000	3	± 0.1	± 0.5	0.03	3.3	约104 about 104
	行程/Stroke	46.7°	86.6°							

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTIRPL1608A

Product Features

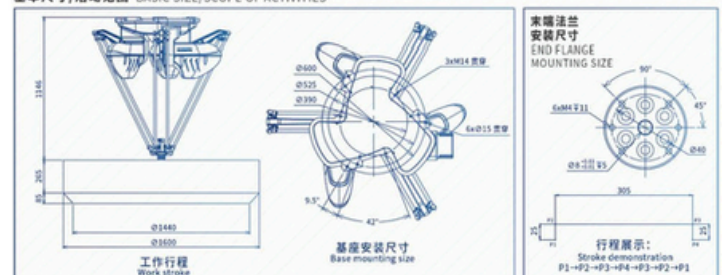
RRBRTIRPL1608A robot is a four-axis robot that developed by BORUNTE for assembly, sorting and other application scenarios of light, small and scattered materials. The maximum arm length is 1600mm and the maximum load is 8kg. The protection grade reaches IP40. The repeat positioning accuracy is $\pm 0.1\text{mm}$.



Main Specification

机型/Model	型号/Item	主动臂/Motor Arm		臂展/Arm Length	负载/kg Loading ability	位置重复定位精度/Location repeatability	角度重复定位精度/Angle repeatability	允许负载最大转动惯量/Maximum allowable moment of inertia of load	电源电压/Volt Power Source	重量/kg Weight
		上摆/Upper	下摆/Lower							
RRBRTIRPL1608A	范围/Range	安装面-行程区域距离1146mm Mounting surface to stroke distance 1146mm		1600	8	± 0.1	± 0.5	0.03	6.4	约193 about 193
	行程/Stroke	42°	93°							

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTAGV12010A

Product Features

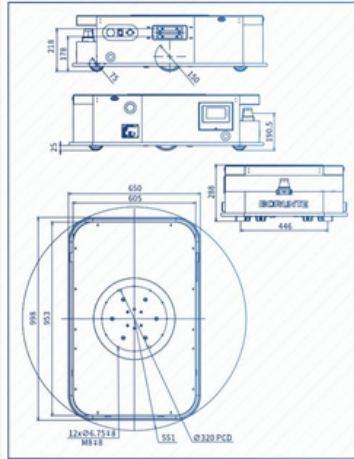
RRBRTAGV12010A is a lurking jack-up transport robot using laser SLAM with QR code navigation, with a load of 100kg. Laser SLAM and QR code navigation can be switched freely to meet multiple scenes and different accuracy requirements. In complex scenes with many shelves, the QR code is used for precise positioning, drilling into the shelves for jacking and handling. Laser SLAM navigation is used in fixed scenes, which is not limited by the ground QR code and can operate freely.



Main Specification

基本参数/Basic parameters	
导航方式/Navigation mode	激光SLAM+二维码导航 Laser SLAM & QR navigation
驱动方式/Driven mode	双轮差速/Two wheel differential
长*宽*高/L*W*H	998mm*650mm*288mm
旋转半径/Turning radius	551mm
重量/Weight	约125kg/About 125kg
额定负载/Rated loading	100kg
离地间隙/Ground clearance	25mm
顶升板尺寸/Jacking plate size	R=200mm
最大顶升高度/Maximum jacking height	80mm
性能参数/Performance parameters	
通过性/Trafficability	≤3%坡度/≤3% Slope
重复定位精度/Kinematic accuracy	±10mm
巡航速度/Cruise Speed	1m/s (≤1.5m/s)
电池参数/Battery parameters	
电池容量/Battery capacity	24Ah
综合续航/Continuous running time	8H
充电方式/Charging method	手动、自动、快换 Manual, Auto, Quick replace
具体配置/Specific equipments	
激光雷达/Laser radar	√
二维码读码器/QR code reader	√
急停按钮/Emergency stop button	√
扬声器/Speaker	√
氛围灯/Atmosphere lamp	√
防撞条/Anti-collision strip	√

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTAGV21050A

Product Features

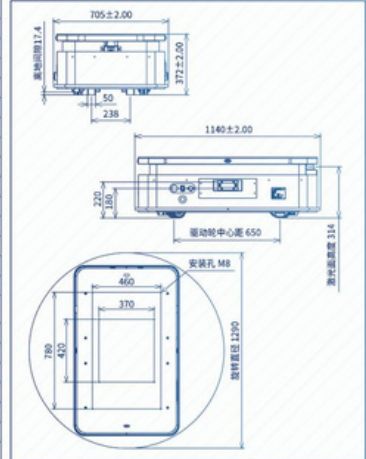
RRBRTAGV21050A is a composite mobile robot platform using laser SLAM navigation, with a load of 500 kg. It can be matched with a low-pressure cooperative robot arm to realize the function of grasping or placing materials, and is suitable for multi-site material transmission and grasping. The top of the platform can be equipped with transmission modules of various shapes such as rollers, belts, chains, etc., to realize the material transfer between multiple production lines, further improve the automation of production processes, and improve production efficiency.



Main Specification

基本参数/Basic parameters	
导航方式/Navigation mode	激光SLAM/Laser SLAM
驱动方式/Driven mode	双轮差速/Two steering wheel
长*宽*高/L*W*H	1140mm*705mm*372mm
旋转半径/Turning radius	645mm
重量/Weight	约150kg/About 150kg
额定负载/Rated loading	500kg
离地间隙/Ground clearance	17.4mm
顶板尺寸/Top plate size	1100mm*666mm
性能参数/Performance parameters	
通过性/Trafficability	≤5%坡度/≤5% slope
重复定位精度/Kinematic accuracy	±10mm
巡航速度/Cruise Speed	1m/s (≤1.5m/s)
电池参数/Battery parameters	
电池容量/Battery capacity	32Ah
综合续航/Continuous running time	8H
充电方式/Charging method	手动、自动、快换 Manual, Auto, Quick replace
具体配置/Specific equipments	
激光雷达/Laser radar	√
二维码读码器/QR code reader	√
急停按钮/Emergency stop button	√
扬声器/Speaker	√
氛围灯/Atmosphere lamp	√
防撞条/Anti-collision strip	√

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

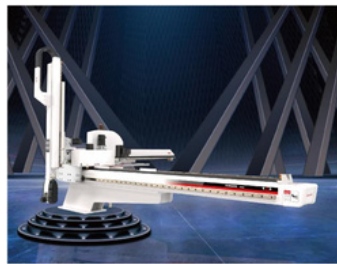


Five Axis Servo Manipulator

RRBRTN17WSS5PC

Product Features

RRBRTN17WSS5PC/FC series applies to various types of 600T-1300T plastic injection moulding machines, five-axis AC servo drive, with AC servo axis on the wrist, it can locate and adjust the angle of the fixture freely, high accuracy, low failure rate, and simple maintenance. It is mainly used for quick injection or complex angle injection, automotive products, washing machines, and household appliances, long-distance communication, good expansion performance, high accuracy of repeated positioning, simple equipment maintenance, and low failure rate.



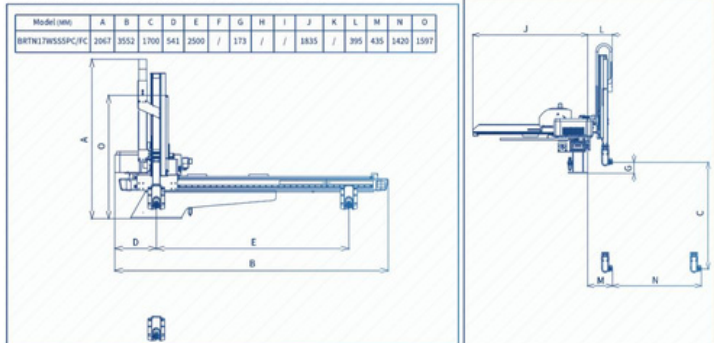
Main Specification

机型/Model	电源容量(kVA) Power Source	适用机型/Type Recommended I.M.M	驱动方式 Driven Mode	总类形式 Model of End Effector	横行行程(mm) Traverse Stroke	引伸行程(mm) Crossover Stroke	上下行程(mm) Vertical Stroke	最大负载(kg) Max Loading	取放时间(s) Dry Cycle Time	空循环时间(s) Dry Cycle Time	空气消耗量 (liters)/min Air Consumption	重量(kg) Weight
BRTN17WSS5PC/FC	4.2	600T-1300T	AC伺服马达 AC Servo motor	四轴两臂 Four sections Two Sutures	2500	1420	1700	20	5.21	15.54	15	790

机型表示: W-双臂式 S-单臂机械手 (或品臂) S5:五轴AC伺服马达驱动 (或品臂上下, AC轴, 引伸+横行)
Model representation: W-Telescopic type, S-Product arm, S5-Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crossover-axis).

上述取物时间, 循环时间为我司内部测试标准值, 在机器实际使用过程中由实际使用行程, 负载, 测试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

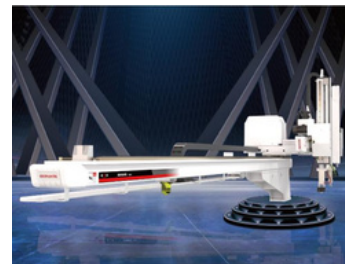
基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTV09WDS5P0 / RRBRTV13WDS5P0

Product Features

RRBRTV09WDS5P0F0, BRTV13WDS5P0/F0 series applies to all types of horizontal injection machine ranges of 120T-700T for take out products and sprue. It has a double arm. The vertical arm is a telescopic stage and the vertical stroke is 900mm/1300mm. Five-axis AC servo drive, reduce the defective rate, fewer signal lines, long-distance communication, good expansion performance, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and low failure rate.



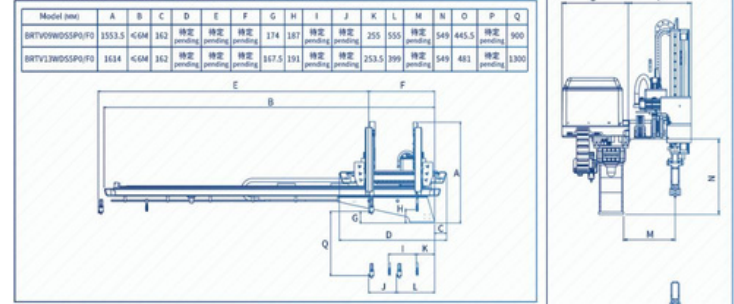
Main Specification

机型/Model	电源容量(kVA) Power Source	适用机型/Type Recommended I.M.M	驱动方式 Driven Mode	总类形式 Model of End Effector	横行行程(mm) Traverse Stroke	引伸行程(mm) Crossover Stroke	上下行程(mm) Vertical Stroke	最大负载(kg) Max Loading	取放时间(s) Dry Cycle Time	空循环时间(s) Dry Cycle Time	空气消耗量 (liters)/min Air Consumption	重量(kg) Weight
BRTV09WDS5P0F0	3.5	120T-700T	AC伺服马达 AC Servo motor	两轴两臂 Two sections Two Sutures	横行总行程长以内 Traverse total arch length: 5 meter	特定 pending	900	5	1.7	特定 undetermined	9	900
BRTV13WDS5P0F0	3.5	320T-700T	AC伺服马达 AC Servo motor	两轴两臂 Two sections Two Sutures	横行总行程长以内 Traverse total arch length: 5 meter	特定 pending	1300	8	2.3	特定 undetermined	9	900

机型表示: W-双臂式 D-双臂机械手 (或品臂+料头臂) S5:五轴AC伺服马达驱动 (或品臂上下, AC轴, 引伸+横行)
Model representation: W-Telescopic type, D-Product arm + runner arm, S5-Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crossover-axis).

上述取物时间, 循环时间为我司内部测试标准值, 在机器实际使用过程中由实际使用行程, 负载, 测试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



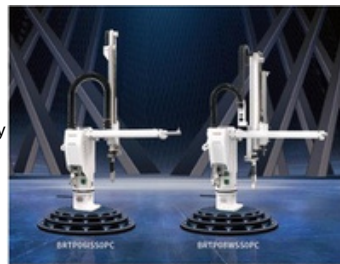
One Axis Servo Manipulator



RRBRT06ISSOPC / RRBRT08WSSOPC

Product Features

RRBRT06ISSOPC/BBRT08WSSOPC series applies to all types of horizontal injection machines of 30T-250T for take-out products. The up and down arm is a single/double sectional type. The up and down action, drawing part, screwing on, and screwing in of them is driven by air pressure, with high speed and high efficiency. After installing this robot, productivity will be increased by 10-3096 and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

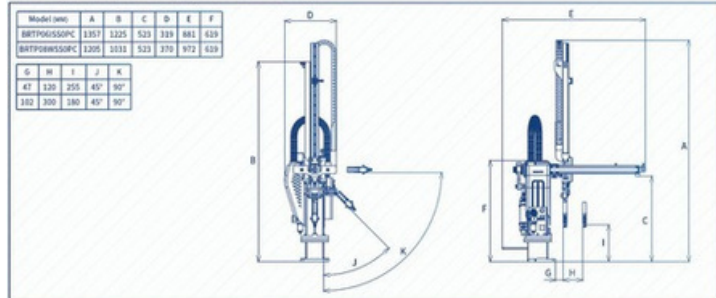


Main Specification

机型/Model	电源容量/Power Source	适用注塑机/Recommended I.M.R.	驱动方式/Drive System	造型形式/Model of C.G.P.	横行行程/Travel Stroke	垂直行程/Vertical Stroke	上下行程/Vertical Stroke	最大负载/Max. Loading	取出时间/Dry Cycle Time	全循环时间/Dry Cycle Time	摆角范围/Displacement Angle	空气消耗量/Air Consumption	重量/kg/Weight
BBRT06ISSOPC	0.06	30T-150T	气压驱动/Drive by cylinder	臂架型/Dum section/Dum feature	/	120	650	2	1.6	5.5	30-90	3	36
BBRT08WSSOPC	0.06	150T-250T	气压驱动/Drive by cylinder	臂架型/Dum section/Dum feature	/	300	850	2	2	6	30-90	3	60

机型表示: W: 臂架式 S: 臂架机械手(成品臂) S4: 气压驱动
Model representation: W: Telescopic type S: Product arm S4: Driven by cylinder.
上述数据时间, 循环时间为内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRT06WDSIPO / RRBRT08WDSIPO

Product Features

BRT06WDSIPO traversing robot arm applies to all types of horizontal injection machine ranges of 30T-380T for take out products and sprue. The traverse axis is driven by an Ac servo motor. Accurate positioning, fast speed, long life, and low failure rate. the manipulator can reduce the defective rate of products, ,reduce manpower and accurately control the output to reduce waste. Single-axis drive control integrated control system: fewer signal lines, long-distance communication, good expansion performance,, high accuracy of repeated positioning, simple equipment maintenance, and less failure rate.

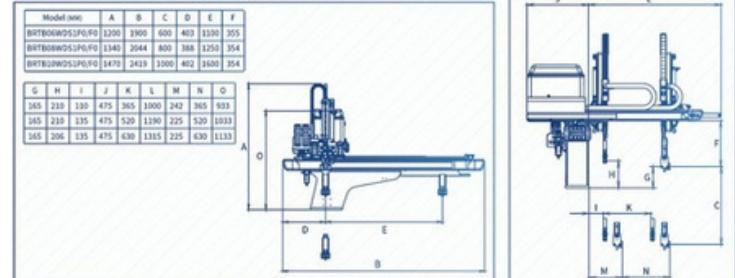


Main Specification

机型/Model	电源容量/Power Source	适用注塑机/Recommended I.M.R.	驱动方式/Drive System	造型形式/Model of C.G.P.	横行行程/Travel Stroke	垂直行程/Vertical Stroke	上下行程/Vertical Stroke	最大负载/Max. Loading	取出时间/Dry Cycle Time	全循环时间/Dry Cycle Time	摆角范围/Displacement Angle	空气消耗量/Air Consumption	重量/kg/Weight
BBRT06WDSIPO	0.55	30T-120T	AC伺服马达/AC Servo motor	一拖一轴/One-outlines/One feature	1300	P-200 R-125	600	3	1.6	5.8	3.5	3.5	175
BBRT08WDSIPO	0.55	120T-250T	AC伺服马达/AC Servo motor	一拖一轴/One-outlines/One feature	1350	P-300 R-125	800	3	1.7	6.49	3.5	3.5	198
BBRT10WDSIPO	0.95	250T-380T	AC伺服马达/AC Servo motor	一拖一轴/One-outlines/One feature	1600	P-300 R-125	1000	3	1.92	8.16	4.2	4.2	221

机型表示: W: 摆臂式 O: 臂架机械手(成品臂+斜头臂) S1: 横行AC伺服马达驱动
Model representation: W: Telescopic type O: Product arm +cranner arm, S1: AC Servo driven on traverse axis.
上述数据时间, 循环时间为内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



Three / Four Axis Servo Manipulator

RRBRTNG09WSS3P / RRBRTNG11WSS3P

Product Features

RRBRTNG09WSS3P,RRBRTNG11WSS3P/F series apply to all types of horizontal injection machine ranges of 160T-480T for take out products. Three-axis AC servo drive saves time than similar models, accurate positioning, and short forming cycle. It can reduce the defective rate of products, reduce manpower Three-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, high accuracy of repeated positioning, simple equipment maintenance, and low failure rate.

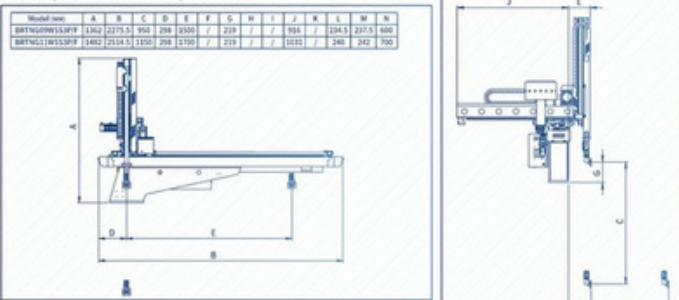


Main Specification

机型/Model	电源容量/Power Source	适用注塑机/Recommended I.M.R.	驱动方式/Drive System	造型形式/Model of C.G.P.	横行行程/Travel Stroke	垂直行程/Vertical Stroke	上下行程/Vertical Stroke	最大负载/Max. Loading	取出时间/Dry Cycle Time	全循环时间/Dry Cycle Time	摆角范围/Displacement Angle	空气消耗量/Air Consumption	重量/kg/Weight
BBRTNG09WSS3P	3.2	160T-300T	AC伺服马达/AC Servo motor	两拖两轴/Two-outlines/Two feature	1500	600	950	2	0.68	4.07	3.2	3.0	300
BBRTNG11WSS3P	3.2	150T-480T	AC伺服马达/AC Servo motor	两拖两轴/Two-outlines/Two feature	1700	700	1100	2	0.68	4.07	3.2	3.0	330

机型表示: W: 摆臂式 S: 臂架机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下, 垂直+横行)
Model representation: W: Telescopic type S: Product arm S3: Three axis driven by AC Servo Motor(Traverse axis, Vertical axis+Crosswise axis)
上述数据时间, 循环时间为内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



RRBRTNN11WSS3P / RRBRTTNN15WSS4P

Product Features

RRBRTNN11WSS3P,RRBRTNN15WSS4P/F series applies to all types of horizontal injection machine ranges of 250T- 800T for take-out products. , accurate positioning, and short forming cycle. It can reduce the defective rate of products, reduce manpower and accurately control the output to reduce waste. Three/four axis driver and controller integrated system fewer signal lines, long- distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, simple equipment maintenance, and low failure rate.

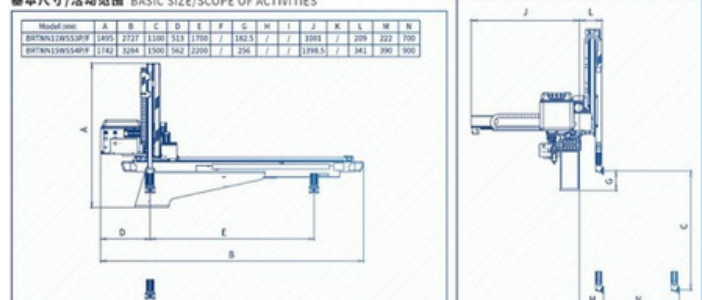


Main Specification

机型/Model	电源容量/Power Source	适用注塑机/Recommended I.M.R.	驱动方式/Drive System	造型形式/Model of C.G.P.	横行行程/Travel Stroke	垂直行程/Vertical Stroke	上下行程/Vertical Stroke	最大负载/Max. Loading	取出时间/Dry Cycle Time	全循环时间/Dry Cycle Time	摆角范围/Displacement Angle	空气消耗量/Air Consumption	重量/kg/Weight
BBRTNN11WSS3P	3.2	250T-480T	AC伺服马达/AC Servo motor	两拖两轴/Two-outlines/Two feature	1700	700	1100	10	1.63	6.35	3.2	3.0	305
BBRTNN15WSS4P	3.4	470T-800T	AC伺服马达/AC Servo motor	两拖两轴/Two-outlines/Two feature	2200	900	1500	15	2.74	9.03	3.2	3.0	680

机型表示: W: 摆臂式 S: 臂架机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下, 垂直+横行) S4: 四轴AC伺服马达驱动(成品臂上下, C轴, 垂直+横行)
Model representation: W: Telescopic type S: Product arm S3: Three axis driven by AC Servo Motor(Traverse axis, Vertical axis+Crosswise axis) S4: Four axis driven by AC Servo Motor(Traverse axis, C axis, Vertical axis+Crosswise axis)
上述数据时间, 循环时间为内部测试标准测试结果, 在机器实际使用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES





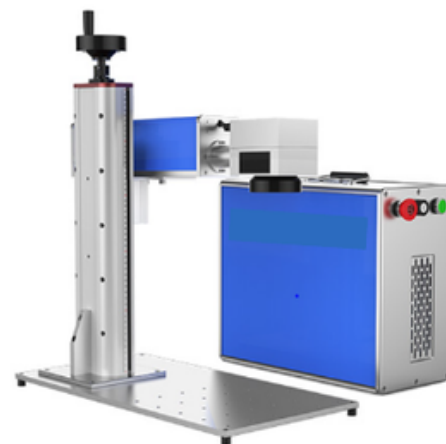
Heavy Duty Laser Engraving

Source	Pulsed Fibre Laser
Standard Output power	20W - 100W
Emission Band width	<10nm
Pulse Repetition Rate KHz	10KHz - 200KHz
Output Voltage	220V / 10A
Max Speed	300 Charecters / sec
Marking Area	600mm x 600mm



Compact Laser Engraving

Source	Pulsed Fibre Laser
Standard Output power	20W
Emission Band width	<10nm
Pulse Repetition Rate KHz	30KHz - 60KHz
Output Voltage	220V
Max Power Conception	600W
Marking Area	110mm x 110mm



Compact Laser Engraving

Source	Pulsed Fibre Laser
Standard Output power	20W - 50W
Emission Band width	<10nm
Pulse Repetition Rate KHz	20KHz - 80KHz
Output Voltage	220V
Max Power Conception	600W
Dimension	800 x 700 x 320 mm

HMI DISPLAYS



STEPPER MOTORS & DRIVES



PLC CONTROLLERS SALES & SERVICE(OMRON, DELTA, MITSUBISHI)



SAFETY CURTAIN SENSORS



PCB DRIVE SERVICE (Siemens, FANUC)



CNC Part Loading



Automated MIG welding



Palletizing



Punching Machine



Part Unloading from Injection Moulding



Work Stations



Assembly Machines

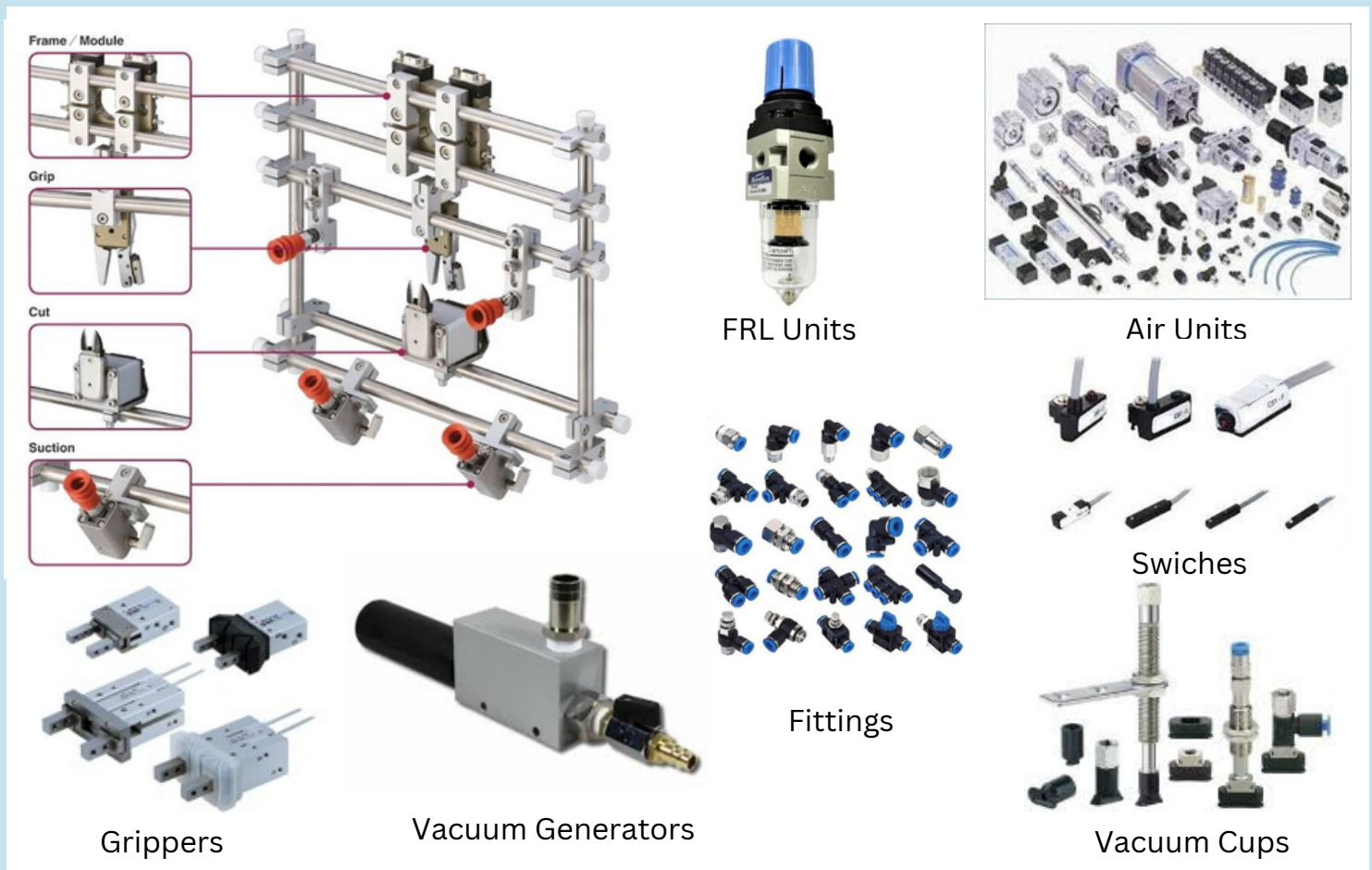


Testing Machines



EOAT & ACCESSORIES

Fixture for Industrial Robot



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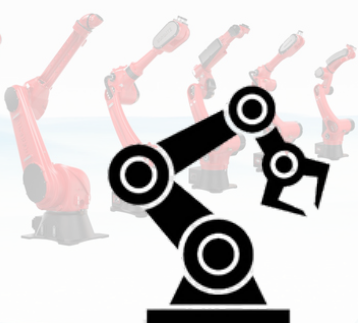
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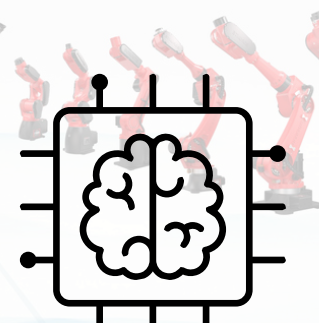
SPM Machine Building



Robotics



Cell Automation



Spares & Service
Support