

TECO SMART BORUNTE ROBOT



TECHNOVATION INTERNATIONAL

PRECISION MACHINERY MANUFACTURER

www.technovation.co.in



ABOUT US

TECHNOVATION INTERNATIONAL was Established in the year 2015 at Faridabad (Haryana, India), We are engaged in manufacturing & importing a wide range of Servo Plastic Injection Molding Machine, Quick Mould Change System (Hydraulic / Magnetic), Bi Metal Screw Barrel, Servo Systems, Servo Robots and all types of Auxillaries. Our mission is to provide world class product with efficient after sales service network.

The company was founded by Mr. Kamal Agarwal (B.tech., MBA Mktg.) and Mrs. Priyanka Agarwal (MBA HR) in 2015 keeping in mind to provide one stop solution for all plastic molders in the field of plastic processing machinery.

Mr. Kamal Agarwal has worked in various MNCs till march 2015 and well known face in plastic molding industry. He gathered appreciation for his work all around India and Abroad. His major experience is in machinery (CNC and Plastic Molding) and has established many brands from all over the world. In his leadership, TechnoMeper has become one of the top three brand of Plastic Injection Molding machine in Delhi NCR



Mrs. Priyanka Agarwal has worked in HR till 2015 and now is proprietor of Technovation International. She is also Heading HR and Admin Department in the Company.



Other Products

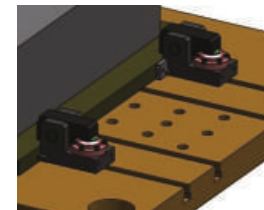


**AUTOMATIC SERVO PLASTIC
INJECTION MOLDING MACHINES**



TECHNO- HQMC

**HYDRAULIC QUICK MOLD
CHANGE SYSTEM**



TSBRTIUS0805A
30T-25T

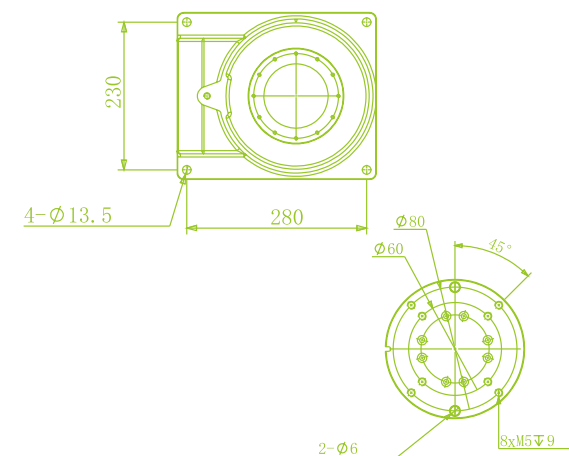
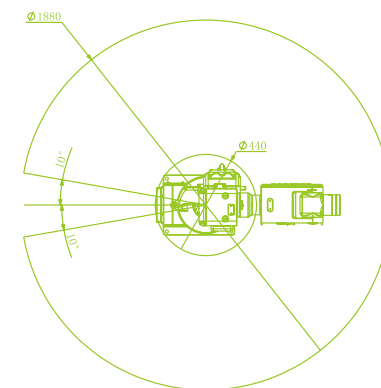
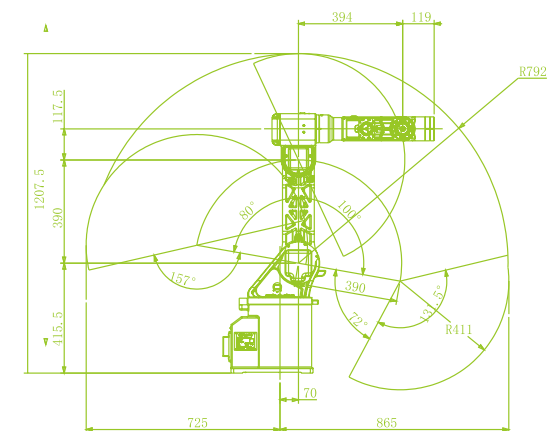
Product Features

TSBRTIRUS0805A type robot is BORUNTE's the third generation of robots. 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 molding, taking, stamping, handling, loading and unloading, assembly, etc. It is suitable for injection molding machine range from 30Ton to 250Ton.



Main Specification

Model	Item	Arm			Wrist			Arm Length	Loading ability	Repatibility	Power Source	Net Weight
		J1	J2	J3	J4	J5	J6					
TSBRTIRUS0805A	Arm Length(mm)	415.5mm		2-3 390 mm		3-5 394mm	5 119mm	940mm	5KG	±0.05mm	2.8KVA	53KG
	Range(°)	±170°	-100°/+80°	-80°/+95°	±180°	±120°	±360°					
	Max.Speed (°/S)	266°/s	297°/s	300°/s	333°/s	500°/s	500°/s					



Without further nitice if specification and exterior have been changed because of improvement.Thanks for your understanding.

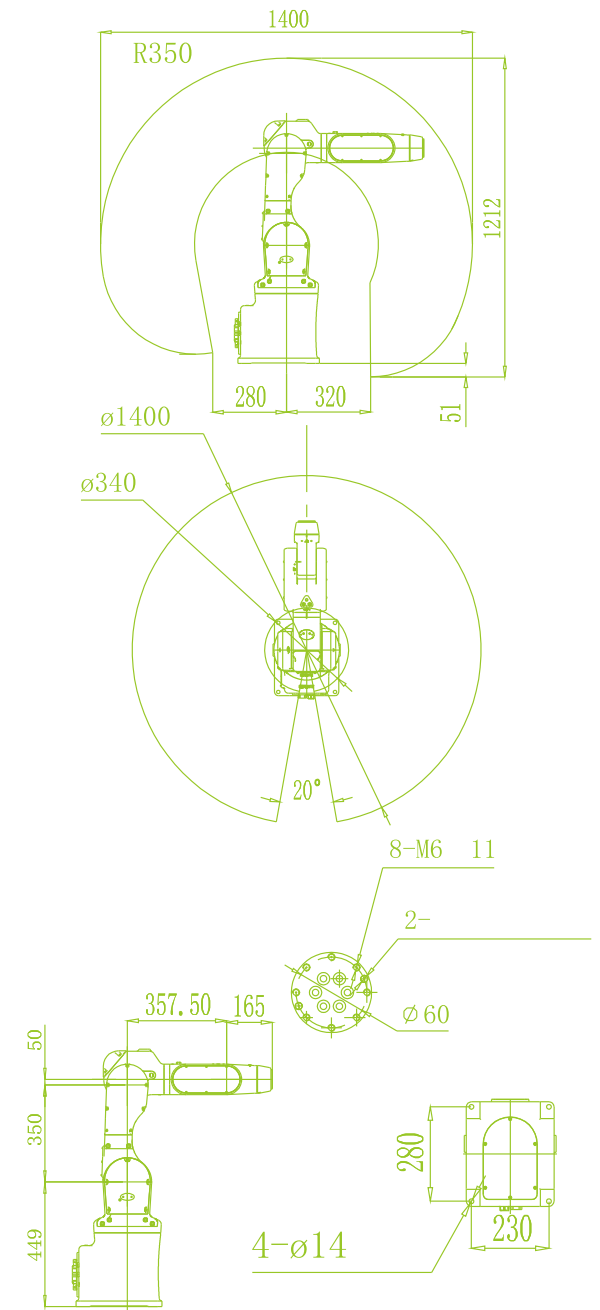
TSBRTIUS0707A
700MM IP67 ± 0.03 MM

Product Features

TSBRTIRUS0707A type robot is a six axis robot that developed 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 IP67. Dust-proof, waterproof. The repeat positioning accuracy is ± 0.03 mm.

Main Specification

Model	Item	Arm			Wrist			Arm Length	Loading ability	Repeatability	Power Source	Net Weight
		J1	J2	J3	J4	J5	J6					
TSBRTIRUS0707A	Arm Length(mm)	2 449mm		2-3 350mm		3-5 357.5mm	5 165mm	700mm	7KG	± 0.03 mm	3.12KVA	约56KG
	Range(°)	$\pm 170^\circ$	$\pm 100^\circ$	$-60^\circ/+140^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	Max.Speed (°/S)	266°/s	300°/s	375°/s	330°/s	300°/s	375°/s					



TSBRTIRUS1510A 200T-600T

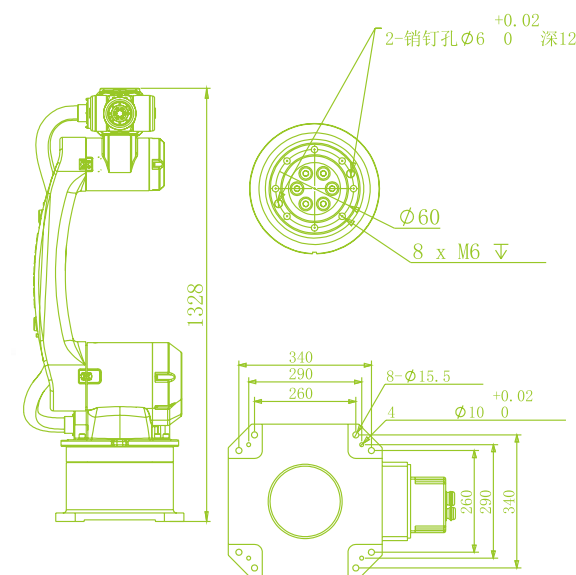
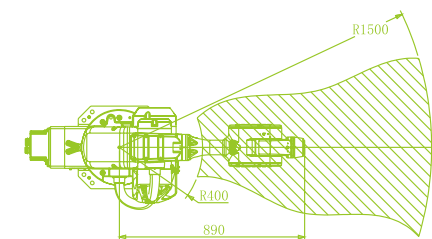
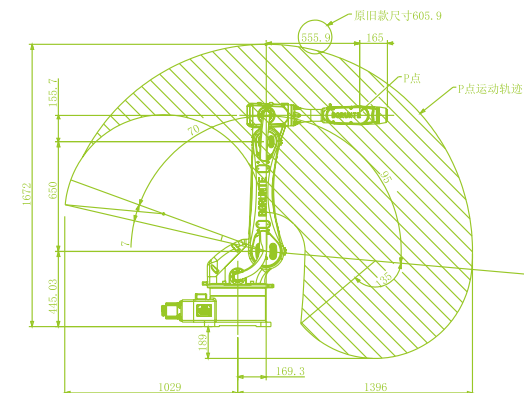
Product Features

TSBRTIRUS1510A is a six-axis robot developed by BORUNTE ROBOT Co.,Ltd. for complex applications with multiple degrees of freedom. The maximum load is 10KG, the maximum arm length is 1500mm. Lightweight arm design, compact mechanical structure, simple, 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 painting, welding, molding, stamping, forging, handling, loading, assembling, etc. The protection grade reaches IP54. Dust-proof, waterproof. The repeat positioning accuracy is $\pm 0.05\text{mm}$. It adopts HC control system. It is suitable for injection molding machine range from 200Ton to 600Ton.



Main Specification

Model	Item	Arm			Wrist			Arm Length	Loading ability	Repeatability	Power Source	Net Weight
		J1	J2	J3	J4	J5	J6					
TSBRTIRUS1510A	Arm Length(mm)	2 488mm		2-3 650mm		3-5 634.4mm	5 117mm	1500mm	10KG	$\pm 0.05\text{mm}$	3.3KVA	约157KG
	Range(°)	$\pm 165^\circ$	$-95^\circ/+70^\circ$	$-85^\circ/+75^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	Max.Speed (#/S)	148°/s	148°/s	223°/s	250°/s	270°/s	337°/s					



TSBRTIRUS1506A

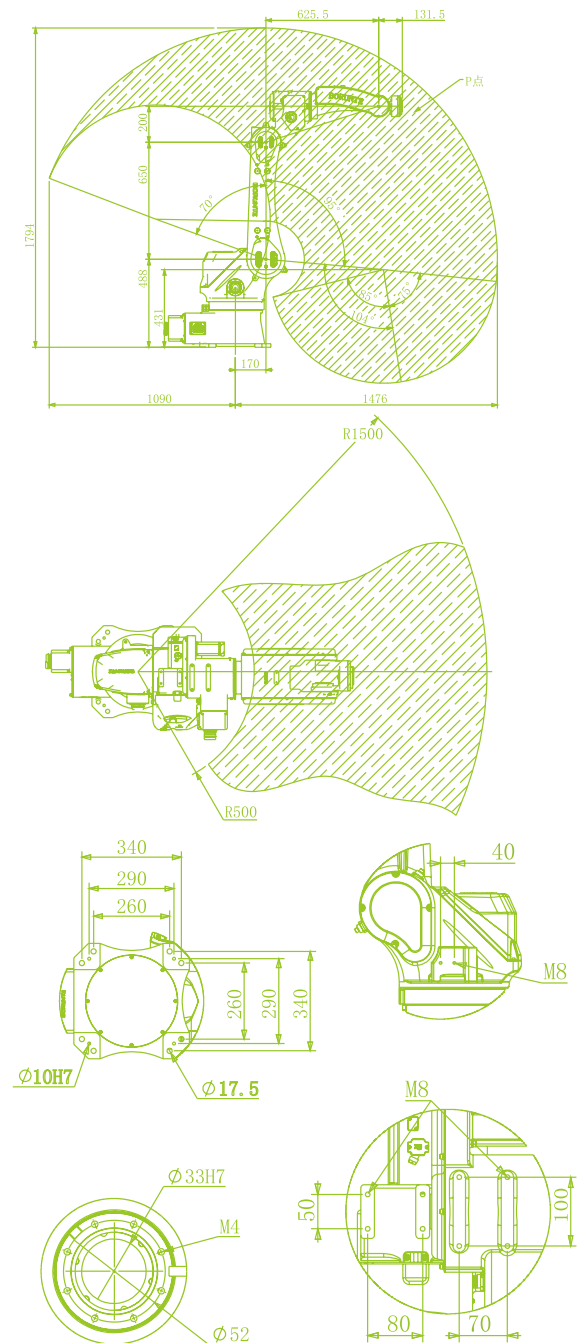
Product Features

TSBTRIRWD1506A six axis industrial robot is BORUNTE ROBOT Co.,Ltd. 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 1500mm. The wrist applies hollow structure with more convenient trace and flexible action. The protection grade reaches IP54. Dust-proof, waterproof.The repeat positioning accuracy is $\pm 0.05\text{mm}$.



Main Specification

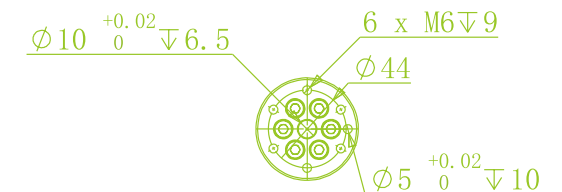
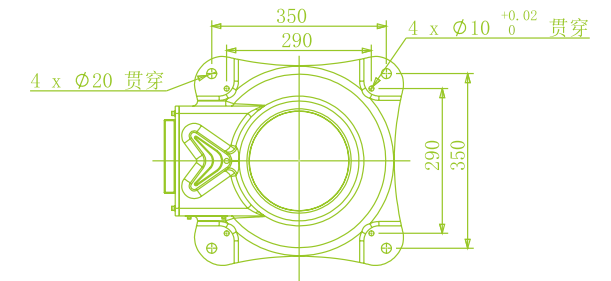
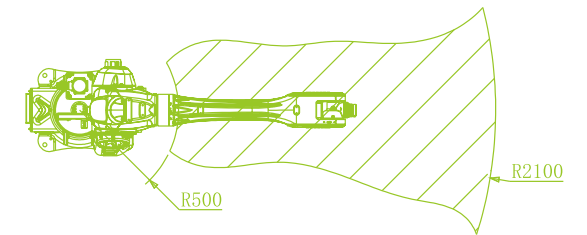
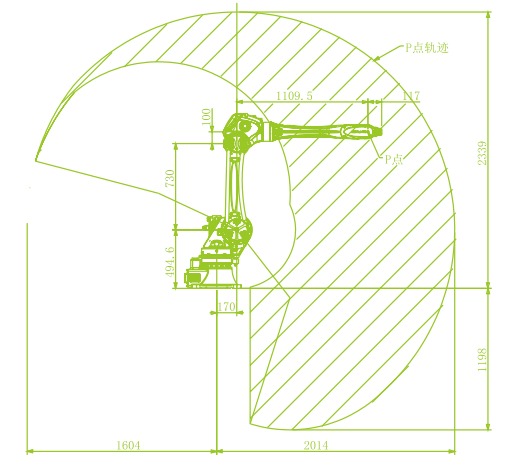
	Model	Item	Arm			Wrist			Arm Length	Loading ability	Repatibility	Power Source	Net Weight
			J1	J2	J3	J4	J5	J6					
	TSBRTIRWD1506A	Arm Length(mm)	2 488mm		2-3 650mm		3-5 625.5mm	5 131.5mm	1500mm	6KG	±0.05mm	3.25KVA	约170KG
		Range(#°)	±165°	-95°/+70°	-85°/+75°	±150°	±110°	±360°					
		Max.Speed (#°/S)	163°/s	148°/s	223°/s	95°/s	280°/s	300°/s					



TSBRTIRUS2110A

Product Features

TSBRTIRUS2110A type robot is a six axis robot that designed for the development of the welding application industry. The maximum arm length is 2110mm. The maximum load is 10KG. It has six degrees of flexibility. Suitable for welding, loading and unloading, assembling etc. The protection grade reaches IP54. Water and dust resistant. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



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Main Specification

	Model	Item	Arm			Wrist			Arm Length	Loading ability	Repatibility	Power Source	Net Weight
			J1	J2	J3	J4	J5	J6					
TSBRTIRUS2110A		Arm Length(mm)	2 494.6mm		2-3 730mm		3-5 1109.5mm	5 117mm	2100mm	10KG	$\pm 0.05\text{mm}$	5.9KVA	230KG
		Range(°)	$\pm 155^\circ$	$-140^\circ/+65^\circ$	$-75^\circ/+110^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
		Max.Speed (°/S)	110°/s	146°/s	134°/s	273°/s	300°/s	336°/s					

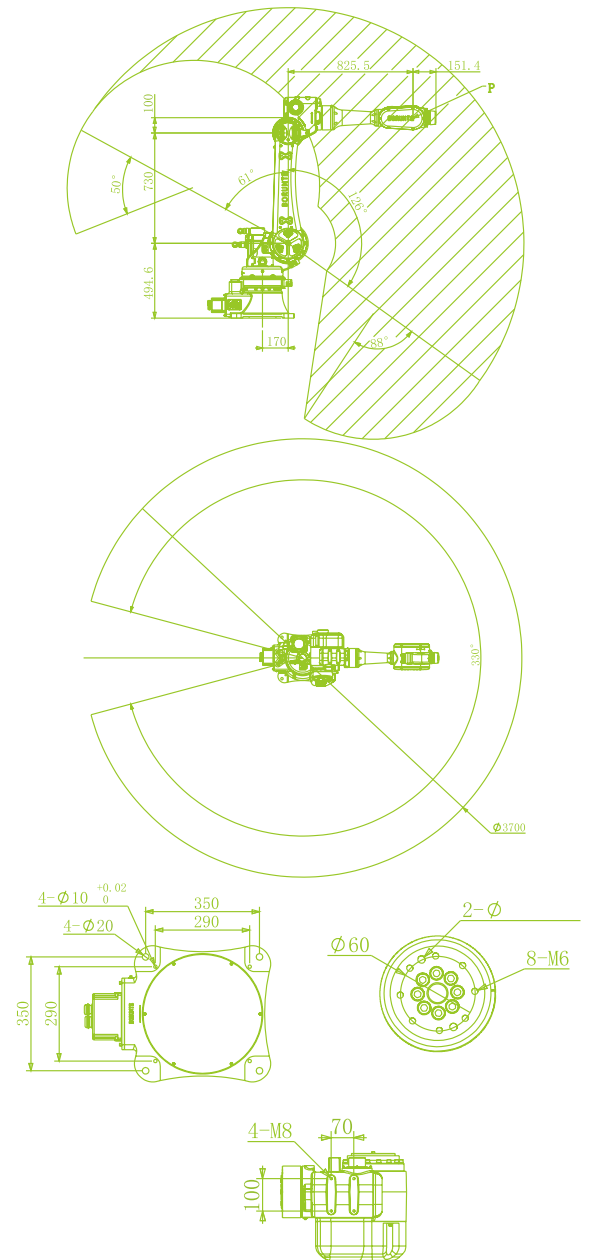
TSBRTIRUS1820A
500T-1300T

Product Features

TSBRTIRUS1820A is a six-axis robot developed by BORUNTE ROBOT Co.,Ltd. for complex applications with multiple degrees of freedom. The maximum load is 20KG, the maximum arm length is 1850mm. Lightweight arm design, compact mechanical structure, simple, 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. The protection grade reaches IP54. Water and dust resistant. The repeat positioning accuracy is $\pm 0.05\text{mm}$. It is suitable for injection molding machine range from 500 Ton to 1300 Ton.

Main Specification

Model	Item	手臂Arm			Wrist			Arm Length	Loading ability	Repeatability	Power Source	Net Weight
		J1	J2	J3	J4	J5	J6					
TSBRTIRUS1820A	Arm Length(mm)	494.6mm		2-3 730mm		3-5 825.5mm	5 117mm	1850mm	20KG	$\pm 0.05\text{mm}$	6.2KVA	约230KG
	Range(°)	$\pm 165^\circ$	$-130^\circ/+60^\circ$	$-75^\circ/+135^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$					
	Max.Speed (°/S)	122°/s	162°/s	136°/s	273°/s	300°/s	375°/s					



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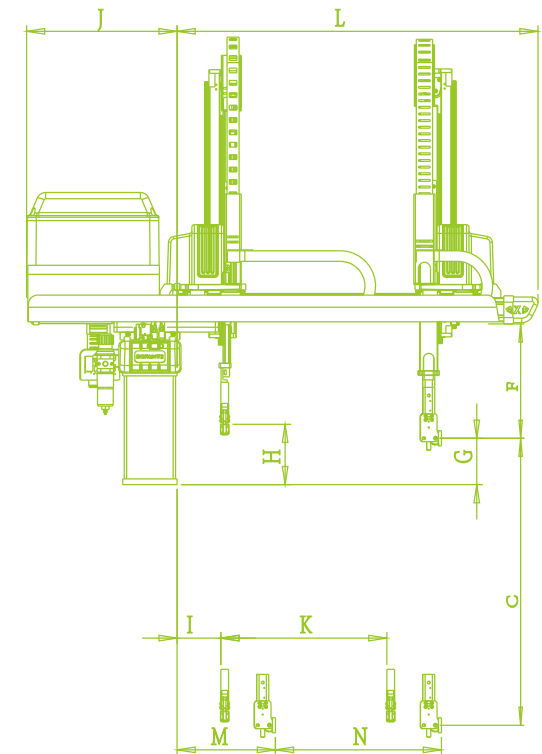
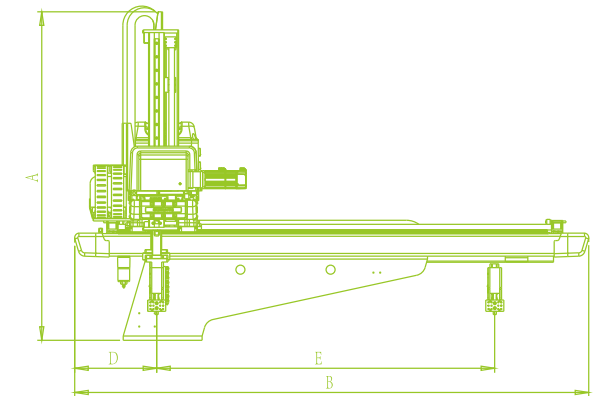


TSWB5-1000PR

Product Features

TSWB5-1000PR is applicable to all types of horizontal injection machine ranges of 160T-320T for take-out products and sprue. Vertical arm is telescopic stage with product arm. Five axis AC servo drive, also suitable for in mold labeling and in mold inserting application. After installed this robot the productivity will be increased 10-30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.

Five-axis driver and controller integrated system: less connecting line, long distance communication, good expansion performance, strong anti-interference ability, high repeat precision, can simultaneously control multiple axis, simple equipment maintenance, low failure rate.



Main Specification

Model	(KVA) Power Source	(ton) Recommended L.M.M	Traverse Driven	Model of EOAT	(mm) Traverse Stroke	(mm) Crosswise Stroke	(mm) Vertical Stroke	(kg) Max.Loading	(sec) Dry Take Out Time	(sec) Dry Cycle Time	(Nl/cycle) Air Consumption	(KG) Net Weight
TSWB5-1000PR	3.2	160T-320T	AC AC Servo motor		1500	P:550 R:550	950	8	1.5	7.03	4	300

Denote:W: Telescopic type. PR: Product arm + runner arm. B5: Five-axis driven by AC Servo Motor.

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TSWB5-1000PR	1480	2280	950	365	1500	375	153	196	140	500	550	1195	330	550

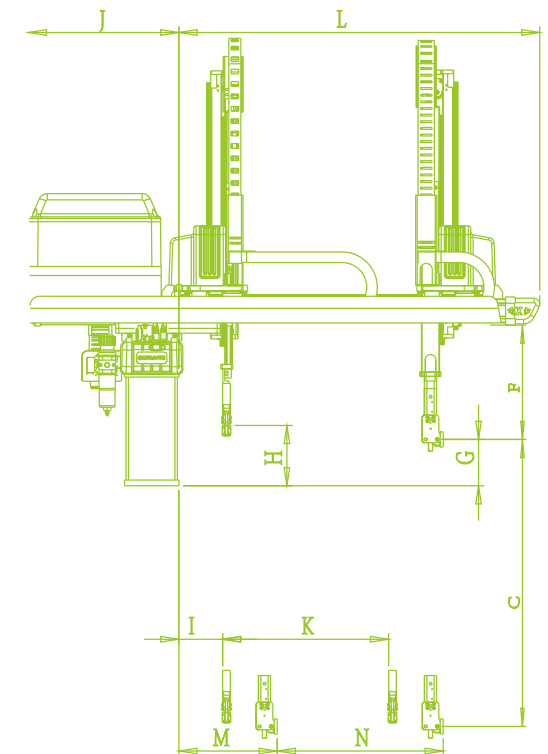
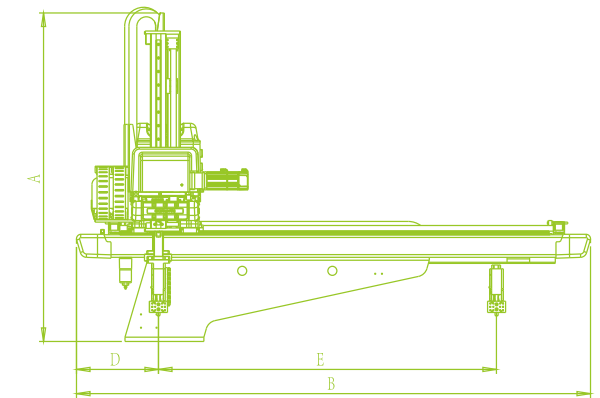
The above-mentioned cycle time are the results of our internal test standard. In the actual application process of the machine, they will vary according to the actual operation

TSWB5-1100PR/1300PR/1700PR

Product Features

TSWB5-1100PR/1300PR/1700PR is applicable to all types of horizontal injection machine rages of 320T-1200-T for take-out products and runner. Vertical arm is telescopic stage runner arm. Five-axis AC servo drive, also suitable for in mold labeling and in mold inserting application. After installed this robot, the productivity will be increased 10-30%, reduce defective rate, ensure safety of operators. reduce manpower and accurately control the output to reduce waste.

Five axis driver and controller integrated system : less connecting line, long distance communication, good expansion performance, strong anti-interference ability, high repeat precision, can simultaneously control multiple axis, simple equipment maintenance, low failure rate.



Main Specification

Model	(KVA) Power Source	(ton) Recommended L.M.M	Traverse Driven AC Servo motor	Model of EOAT	(mm) Traverse Stroke	(mm) Crosswise Stroke	(mm) Vertical Stroke	(kg) Max.Loading	(sec) Dry Take Out Time	(sec) Dry Cycle Time	(NL/cycle) Air Consumption	(KG) Net Weight
TSWB5-1100PR	3.6	320T-480T	AC AC Servo motor		1700	P:625 R:625	1100	10	2.06	7.01	4	335
TSWB5-1300PR	3.2	360T-700T	AC AC Servo motor		1800	P:800 R:800	1350	10	2.08	7.8	6.8	450
TSWB5-1700PR	4.5	750T-1200T	AC AC Servo motor		2500	P:900 R:800	1700	15	3.72	12.72	15	800

Denote:W: Telescopic type. PR: Product arm + runner arm. B5: Five-axis driven by AC Servo Motor.

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TSWB5-1100PR	1474	2470	1100	365	1700	377	152	196	150	499	625	1315	393	625
TSWB5-1300PR	1720	2690	1350	435	1800	390	195	245	148	515	800	1520	420	800
TSWB5-1700PR	1900	3370	1700	385	2500	520	70	185	270	510	800	1850	600	900

The above-mentioned cycle time are the results of our internal test standard. In the actual application process of the machine, they will vary according to the actual operation.



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