

General Specification

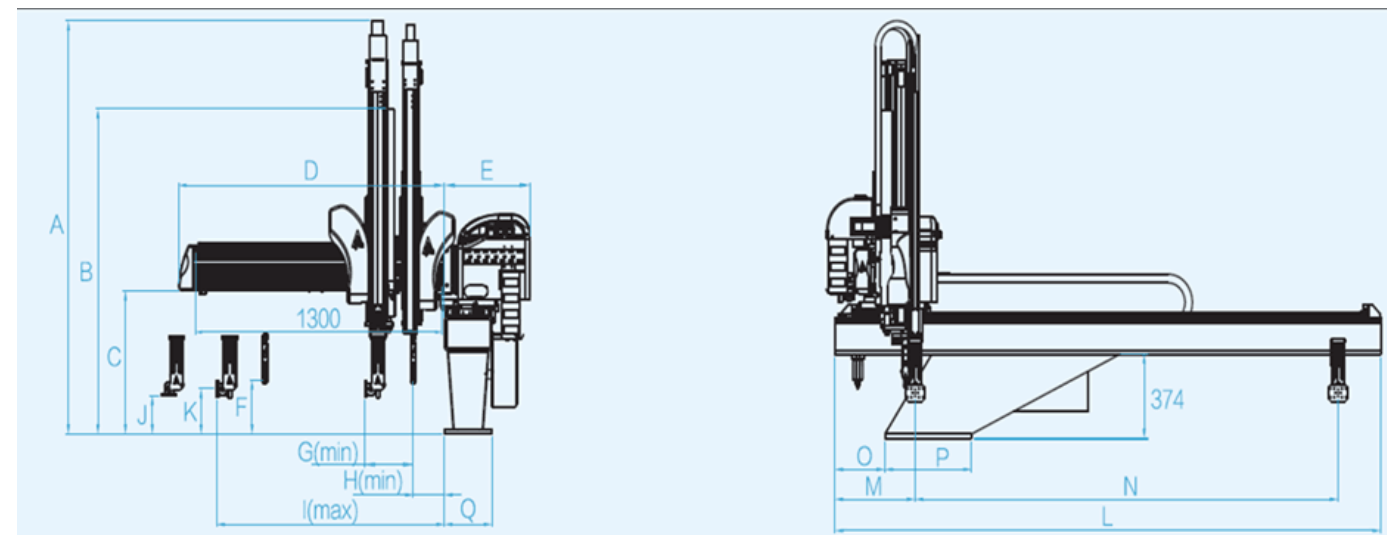
Power Source	Working Pressure	Max. Allowed Pressure	Drive System	Swivel
1φAC 220V±10V 50/60HZ	5Kgf/cm ² 0.49Mpa	8Kgf/cm ² 0.8Mpa	S5-AC Servo Motor S3-AC Servo Motor	90° Fixed Pneumatic

Main Specification

Model	R700 IS/ID/WS/WD-S3/S5	R900 IS/ID/WS/WD-S3/S5	R1100 WS/WD-S3/S5	R1400 WS/WD-S3/S5
Power Capacity(KVA)	2.4	2.4	2.3/3.2	2.3/3.2
Recommended I.M.M. (ton)	50T-200T	200T-350T	300T-450T	550T-800T
Traverse Stroke(mm)	1500	1500	1800	2000
Crosswise Stroke(mm)	I/W:S3:P:540/520 I/W:S5:P:380/320 I/W:S5:R:380/320	I/W:S3:P:720/700 I/W:S5:P:560/500 I/W:S5:R:560/500	S3:P:800 S5:P:600 R:600	S3:P:980 S5:P:780 R: 780
Vertical Stroke(mm)	700	900	1100	1400
Max. Loading(Kg)	3	5	12	12
Dry Take Out Time (sec)	1.2	1.6	1.8	2.2
Dry Cycle Time(sec)	4.5	5.5	6.5	8.1
Air Consumption (NL/cycle)	4	4	9	11
Net Weight(kg)	210-250	250-300	440-460	450-480

"P" denoted "Product arm"; "R" denoted "Runner arm"

R900WD-S5: 5 axis servo motor, Double arm, Telescopic
R1100WS-S3: 3 axis servo motor, Single arm, Telescopic



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
R700W	1540 (1260)			980	420	225 (195)	130	155 (195)	660 (620)	195 (170)	200 (185)	2200	230	1500	190	350	200
R900W	1720 (1320)		530	1060					840 (800)								
R1100W	1710	1350		1220	450	245	280	165	1050	170	200	2440		1800		260	450
R1400W	1850	1460	645	1400					1425		200 S5:2500(NC axis) S5:1200(S axis)	2600	450	2000		450	250

(For telescopic stage)

All statements here subject to change without advance notice.

Phoenix



Redstone



Bomarc
Economical



New Titan



Bomarc



Explorer



Titan



Vantage



Belt Conveyor



Transporter



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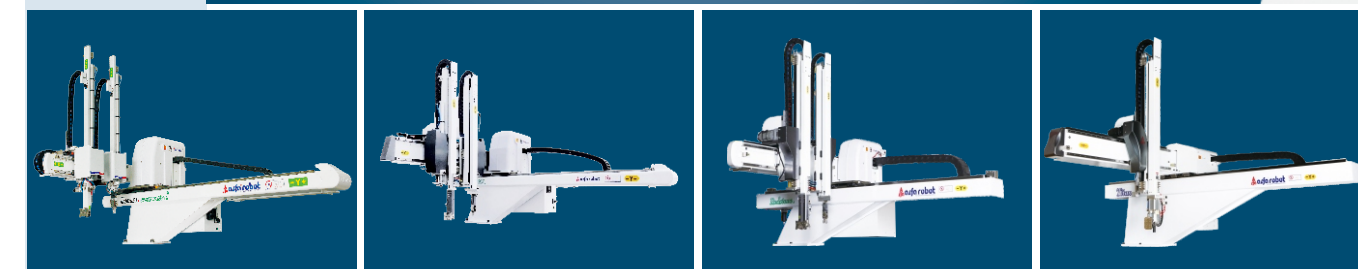
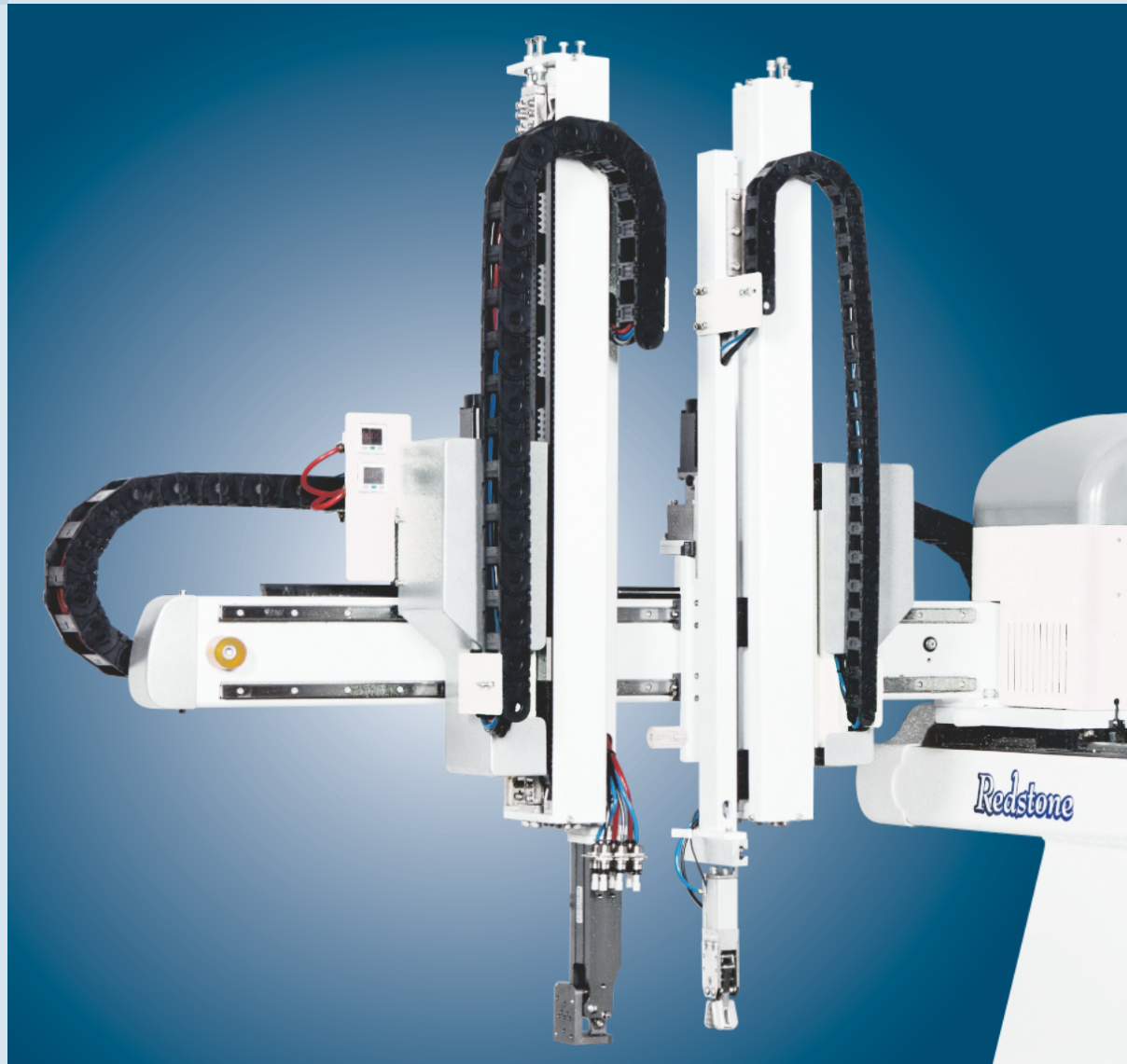
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2021-01-11-Redstone

CNC AC Servo Beam ROBOTS

Redstone series
Suitable for IMM under 800T



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CNC AC Servo Beam ROBOTS

3 axis/ 5 axis Servo Motor System Function

Item	Description	LB system	Standard LT System	High-configure LT System
	Display screen size	7.0 inch	3.5 inch	7.0 inch
Pendant	Touch panel	⊙	※	⊙
	Controller USB	⊙	⊙	⊙
	Manual operation safety switch	⊙	⊙	⊙
Storage Capacity	Number of mould data sets	100	100	100
Data Transmission Function	To use USB to copy same mold data from same model robot to another one to operate.	⊙	⊙	⊙
Operation Mode	Teach program	⊙	⊙	⊙
	Fixed mode	※	⊙	⊙
	Off-line edit	⊙	※	※
Interpolation	Linear interpolation, Circular interpolation, Simultaneous movement	⊙	※	⊙
Program Function	Loops, Jump, Stack, Compare, Judgement, Arithmetic calculation	⊙	⊙	⊙
	Waiting position in side the mold, Single step operating	⊙	⊙	⊙
Stacking Function	Standard stacking program	⊙	⊙	⊙
	Non-standard stacking program	※	※	⊙
Record Function	Operation record	⊙	⊙	⊙
	Alarm record	⊙	⊙	⊙
	I/O record	⊙	⊙	⊙
QC Function	Sampling, Exclude the first few products, Remove rejected part, Production statistics	⊙	⊙	⊙
Safety Protective Motion	It will alarm while position setting is out of range, and the setting is not be stored.	⊙	⊙	⊙
	When triggering the hardware limit signal, it will stop and alarm.	⊙	⊙	⊙
User	Multiple users management	⊙	⊙	⊙
Spare I/O port	Standard spare Input/ Output	15/15	3/2	5/9
	Standard circuit: 2 vacuum, 2 grip	⊙	⊙	⊙
EOAT Circuit	Option - Max. extending circuit	8 vacuum / 8 grip circuits	4 vacuum / 4 grip circuits	8 vacuum / 8 grip circuits
	Option - EUROMAP 12 or 67	⊙	⊙	⊙
Application	Insert, In-mold labeling (IML) etc.	⊙	⊙	⊙

⊙ standard function ※ without this function

Redstone Series for 50T to 800T



Redstone Series for 80T to 800T

Model	Recommended IMM (TONS)	Arm Type	Arm	Servo Driven
R700-R900	80T to 350T	I / W	Single arm	3 axis
R1100-R1400	350T to 800T	W	Double arms	5 axis

I: Single Stage W: Telescopic Type
 3 axis: Traverse (Y), Crosswise (X), Vertical (Z)
 5 axis: Traverse (Y), Main arm Crosswise (X1), Main arm Vertical (Z1),
 Sub arm Crosswise (X2), Sub arm Vertical (Z2)



Single stage/Double arms



Telescopic Arms

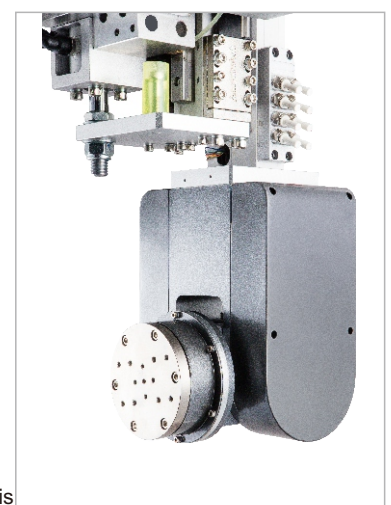
Telescopic type robot adopts high rigidity linear guide and alloy aluminum beam, together with specially designed belt, greatly shortens the height of the vertical arm. Full stroke of the structure can be achieved by half stroke of the cylinder. It not only can increase speed and stability of the vertical stroke, but also can be applicable to low workshop.

Swivel Structure

Coordinate with mold to realize take-out product or sprue. Fixed swivel angle is 90 degree.

Structure

Strong rigidity, all axis apply advanced imported high rigidity linear guide, can bear high loading and high speed motion, long use-life. It applies precision planetary gear head reducer, with precision up to ±0.1mm.



AC axis

Telescopic type/ Double arms