

Heartful Technology

Yushin



Servo Traverse Robot

SA/SAII
series

Yushin Precision Equipment Co., Ltd.

E-touch Lite II Controller

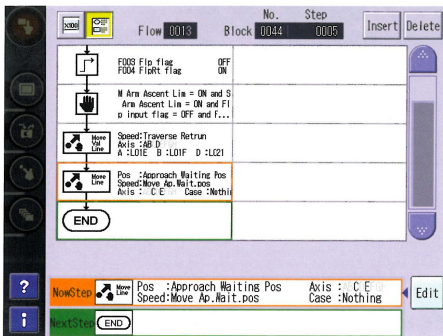


A full-color, 7.5 inch LCD touch-screen, function keys and directional keypad offer quick and easy operation. Fast controller response and speedy menu switches cuts down on wasted time and shortens set-up times greatly.



Lead Through Teaching equipped standard

Do in-house changes to robot programs quickly and easily using the same procedures as teaching. Save on time and expense for program changes.



Grip Easily with One Hand

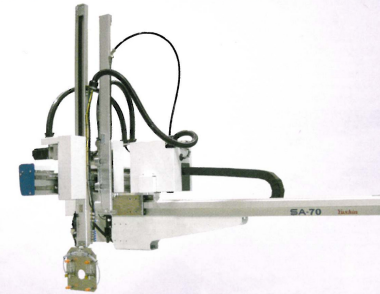


Other Features

- **Corner Shock-Protectors**
Cushions controller in the event of a drop.
- **Memory Card**
Teaching data can be backed up on the SD memory card and also transferred easily to another robot.
- **Set-up data for up to 300 molds** may be stored in memory.

SA-70/150/250

Clamping Force of Compatible Molding Machines
30~350 tf



- Number of Servo Axes: 3 / 5 axes
- Vertical Arm: 1-Stage Telescopic Type
- NC Box: On Robot Body
- Controller: E-touch Lite II

Specification

Power Source	Drive Method	Control Method	Air Pressure	Max. Air Pressure	Wrist Flip Angle
AC200V 50/60Hz	Digital Servo Motor 3/5 axes	Micro Computer Control	0.49MPa	0.70MPa	90°

Model	Max. Power Consumption	Traverse Stroke (mm)	Kick Stroke (mm)		Vertical Stroke (mm)		Air Consumption (Nℓ/cycle)	Max. Payload (kg)	Clamping Force (tf)	Main Unit Weight (kg)
			Main Arm	Sub Arm	Main Arm	Sub Arm				
SA-70S	Single Phase AC200V 5.0A	900 [1200] [1600]	[320] 470	-	[550] 650 [750]	-	3	3*	30~100	106
SA-70D	Single Phase AC200V 7.0A		[280] 430	[280] 430	[600] 700 [800]	-				
SA-150S	Single Phase AC200V 6.5A	1500 [1900]	578	-	800 [900]	-	3	5*	100~250	220
SA-150D	Single Phase AC200V 9.5A		518	518		850 [950]				
SA-250S	Single Phase AC200V 6.5A	1500 [1900]	728	-	900 [1000]	-	4	5*	250~350	229
SA-250D	Single Phase AC200V 9.5A		668	668		950 [1050]				

*Includes weight of end-of-arm tool. Higher payloads possible, depending on take-out settings and speeds. [] indicate shortened /extended stroke (optional).

SA II -350/600/850/1000/1300

Clamping Force of Compatible Molding Machines
350~1600 tf



- Number of Servo Axes: 3 / 5 axes
- Vertical Arm: 2-Stage Telescopic Type
- NC Box: On Robot Body
- Controller: E-touch Lite II

Specification

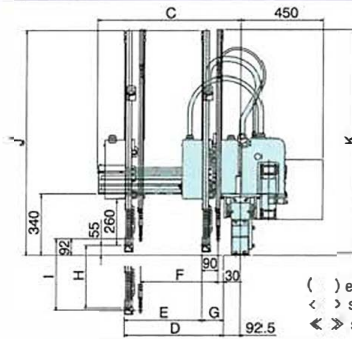
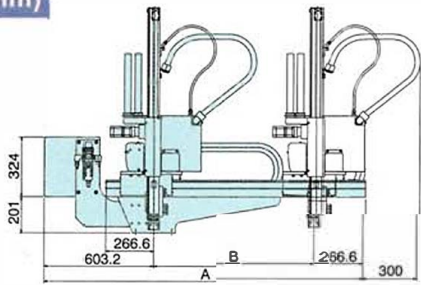
Power Source	Drive Method	Control Method	Air Pressure	Max. Air Pressure	Wrist Flip Angle
AC200V 50/60Hz	Digital Servo Motor 3/5 axes	Micro Computer Control	0.49MPa	0.70MPa	90°

Model	Max. Power Consumption	Traverse Stroke (mm)	Kick Stroke (mm)		Vertical Stroke (mm)		Air Consumption (Nℓ/cycle)	Max. Payload (kg)	Clamping Force (tf)	Main Unit Weight (kg)
			Main Arm	Sub Arm	Main Arm	Sub Arm				
SA II -350S	Single Phase AC200V 9.3A	1700 [1900] [2200]	1100	-	1100	-	11	12*	350~450	434
SA II -350D	Single Phase AC200V 12.3A		940	940		1100				
SA II -600S	Single Phase AC200V 9.3A	1700 [1900] [2500]	1100	-	1300	-	12	12*	450~650	435
SA II -600D	Single Phase AC200V 12.3A		940	940		1300				
SA II -850S	Single Phase AC200V 11.0A	2000 [2500]	1360	-	1700	-	28	15*	650~1000	585
SA II -850D	Single Phase AC200V 14.0A		1220	1220		1750				
SA II -1000S	3 Phase AC200V 7.1A	2500	1520	-	1800	-	40	25*	1000~1300	661
SA II -1000D	3 Phase AC200V 8.8A		1380	1380		1850				
SA II -1300S	3 Phase AC200V 7.1A	3000	1520	-	1800 [2000]	-	45	25*	1300~1600	739
SA II -1300D	3 Phase AC200V 8.8A		1380	1380		1850 [2050]				

*Includes weight of end-of-arm tool. Higher payloads possible, depending on take-out settings and speeds. [] indicate extended stroke (optional).

Dimensions (mm)

SA-70



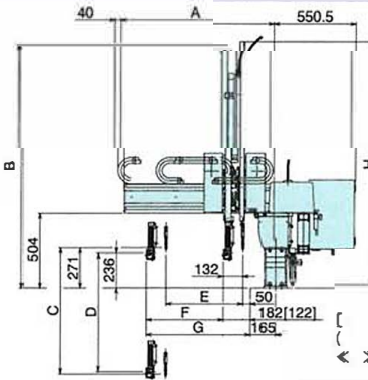
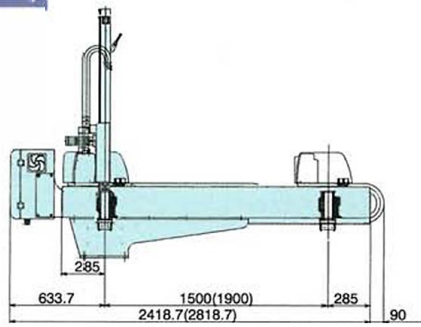
() extended traverse stroke
 < > shortened kick stroke
 << >> shortened/extended vertical stroke

Model	A	B	C	D	E	F	G	H	I	J	K
SA-70S	1769.8 (2069.8)	900 (1200)	<645.6> 795.6	<400> 550	<320> 470	—	80	<<550>> 650	—	<<1145>> 1245	—
SA-70D	(2469.8)	(1600)*			<280> 430	<280> 430	120	<<750>> 700 <<800>>	<<600>> 700 <<800>>	<<1345>> 1250 <<1350>>	<<1150>> 1250 <<1350>>

S: Equipped with main arm only; for 2-plate molds D: Equipped with main and sub arms; compatible with 3-plate molds
 * Support stanchion is required option for 1600mm traverse stroke.

Dimensions (mm)

SA-150/250

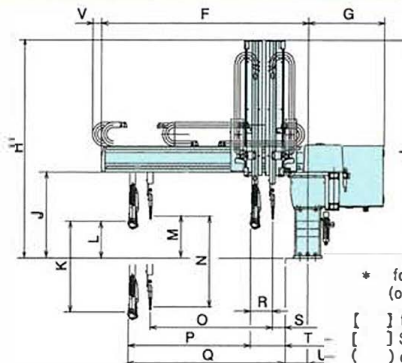
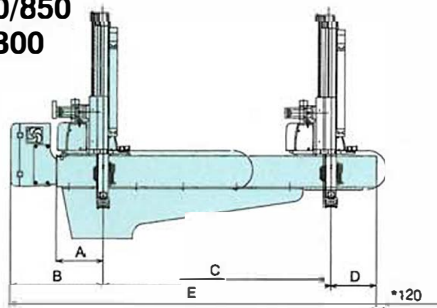


[] S type (2-plate mold compatible)
 () extended traverse stroke
 < > extended vertical stroke

Model	A	B	C	D	E	F	G	H
SA-150	1008	1620 <1724>	850 <950>	800 <900>	518	518 (578)	700	1670 <1774>
SA-250	1158	<1724>	<950>	<900>	668	668 (728)	850	<1774>

Dimensions (mm)

SA II -350/600/850
1000/1300



* for rear-side models (only for SA II -350/600)

[] for rear-side models
 [] S type (2-plate mold compatible)
 () extended traverse stroke

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
SA II -350	342.3	688.7	1700 (1900) (2200)	342.3	2731 (2931) (3231)	1583		1566		659	1100	284	324	1100	940	940 (1100)	1200	170	90	260 (100)	170	—
SA II -600			1700 (1900) (2500)		2731 (2931) (3531)																	
SA II -850	402.3	748.7	2000 (2500)	402.3	3151 (3651)	1882.3	585.5	1973	1958	674	1700	174	224	1750	1220	1220 (1360)	1500	180	100	280 (140)	80	
SA II -1000	429.8 (374.8)	776.2 (721.2)	2500	374.8 (429.8)	3651	2145.4		2066	2008	674	1800	100	150	1850	1380 (1520)	1700	220	100	320 (180)	185	155	
SA II -1300			3000					4151	2066 (2170)		2008 (2108)			1800 (2000)								1850 (2050)



Safety Information

- These products are industrial robots as defined in the labor safety rules. Always take great care when operating any robots
- To improve visual clarity, these robots may be shown without the safety guards that are identified in the safety rules. Never operate the robots without all safety guards in place.
- Before using any product introduced in this literature, all operators must read and understand the instruction manual and other related documents for proper and safe equipment operation.

*Specifications on the robot are subject to change without notice to improve the product.



Headquarters & Factory

Yushin is dedicated to the development of more eco-sensitive technologies through the application of eco-friendly principles.