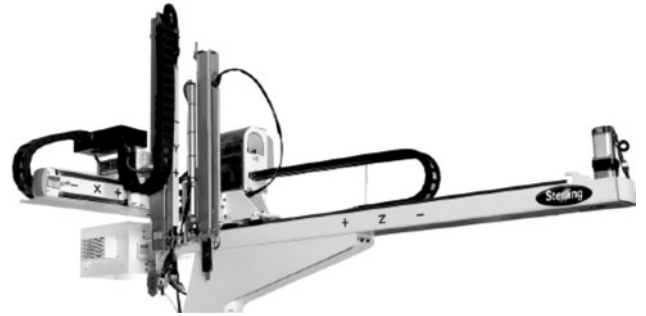


## **APEX SB SERIES PIN-POINT ACCURACY AT AN AFFORDABLE PRICE**

The 3-axis servo driven SB Series traverse robot combines versatility with pin-point accuracy creating a reliable robot at a very affordable price. The SB Series offers superior parts removal capability by reducing the difficulty and lowering the cost to build End-of-Arm Tooling. The SB is also great for applications such as rejection, test-mold and weight programs, as well as cycle counting.

Equipped with 3-axis AC brush-less servo motors. The three axes can be synchronized to move to designated points at the same time. All this with accuracy within  $\pm 0.1\text{mm}$ .



### **Features**

- 1 pressure and 1 vacuum circuit
- 14 spare inputs and 14 spare outputs
- Wrist flip device with easy to change end of arm tooling using the quick change plate system
- Speed, position and timers can be changed during operation and the 3 axis AC brushless servo motors can be independently controlled

### **Options**

- Additional vacuum circuit (total of 2)
- Additional pressure/grip circuit (circuit only, no gripper/nipper - total of 2)
- A-axis wrist rotate - pneumatic
- Additional end of arm tooling quick change system
- Telescopic vertical arm for overhead clearance issues
- Sub-arm configurations for 3-plate mold applications

## APEX SB SERIES

### SINGLE STAGE SINGLE ARM SPECIFICATIONS (MM)

Model	E	H	I	K	L	N
SB-700	746	1000	1525	2941	1472	446
SB-900	866	1120	1765	3181	1672	566
SB-1200	986	1240	2005	3421	1972	686

### SINGLE-STAGE SUB-ARM SPECIFICATIONS (MM)

Model	E	H	I	K	L	N	Q
SB-700S	746	1000	1525	2941	1472	343	1510
SB-900S	866	1120	1765	3181	1672	463	1710

### TELESCOPIC SINGLE ARM SPECIFICATIONS (MM)

Model	E	H	I	K	L	N
SB-700T	753	1000	1525	2941	1200	417
SB-900T	873	1120	1765	3181	1300	597
SB-1200T	993	1240	2005	3421	1450	717

### TELESCOPIC SUB-ARM SPECIFICATIONS (MM)

Model	E	H	I	K	L	N	P	Q
SB-700TS	753	1000	1525	2941	1200	284	195	1155
SB-900TS	873	1120	1765	3181	1300	404	195	1255
SB-1200TS	993	1240	2005	3421	1450	487	226	1405



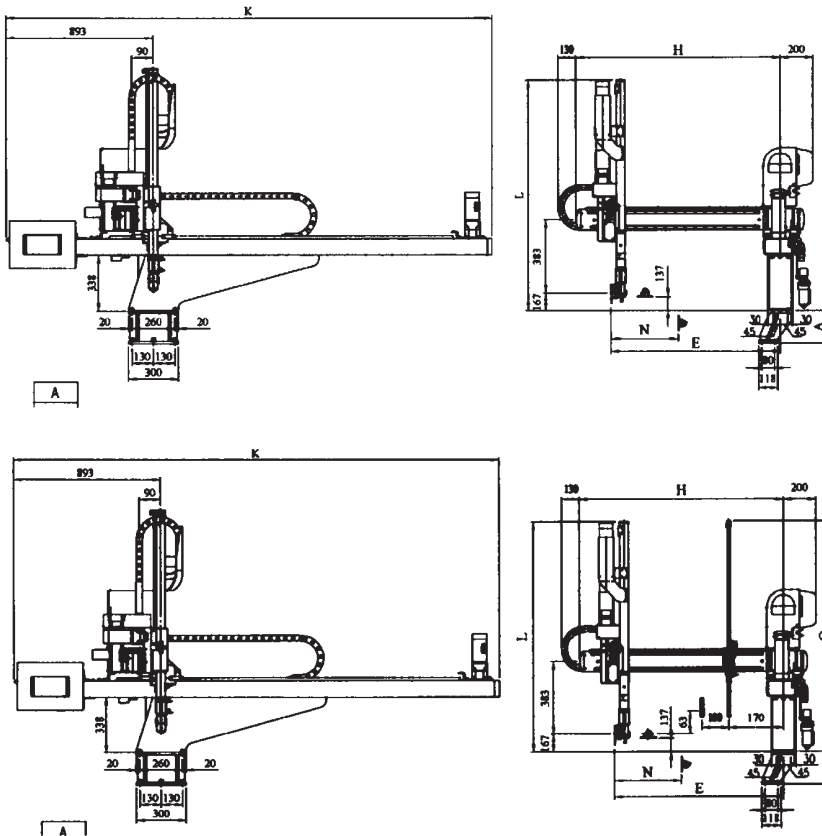
# APEX SB SERIES

## SPECIFICATIONS (MM)

Model		Dry Cycle (sec.)		I.M.M. Range (tons)	Stroke (mm)				Max. Payload (kgs)	Net Weight (kgs)	Comp. Air Pressure		
					Strip		Vertical					Traverse	
					main	sub	main	sub					
SB-700	Single-stage, single arm	1.2	9	80-200	446	-	664	-	1525	6	--	230	5kg/cm <sup>2</sup>
SB-700S	Single-stage, sub arm				343	100	664	750			3	240	
SB-700T	Telescopic, single arm				417	-	684	-			--	250	
SB-700TS	Telescopic, sub arm				284	100	684	750			3	260	
SB-900	Single-stage, single arm	1.3	10	200-450	566	-	864	-	1765	6	--	235	
SB-900S	Single-stage, sub arm				463	100	864	950			3	250	
SB-900T	Telescopic, single arm				597	-	884	-			--	260	
SB-900TS	Telescopic, sub arm				404	100	884	950			3	270	
SB-1200	Single-stage, single arm	1.4	11	450-650	686	-	1164	-	2005	6	--	240	
SB-1200T	Telescopic, single arm				717	-	1184	-			--	265	
SB-1200TS	Telescopic, sub arm				487	100	1184	1250			3	280	

Power Source: AC 220V Single Phase

### Single Stage Vertical



## APEX SB SERIES

Two Stage Telescopic

