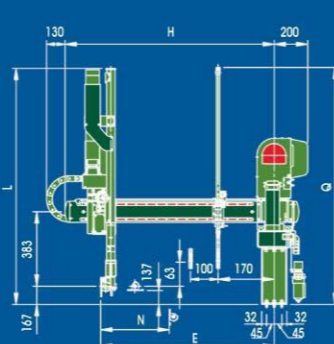
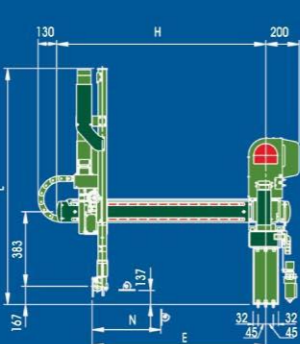
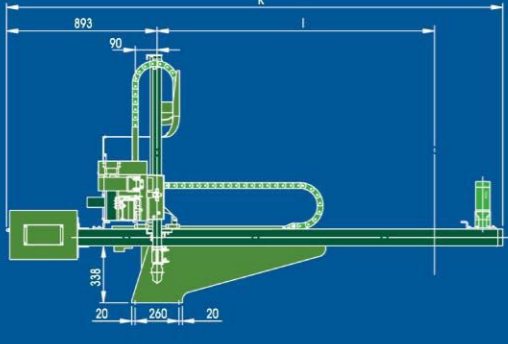


## Mechanical Drawings

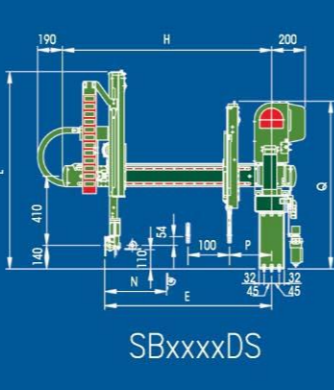
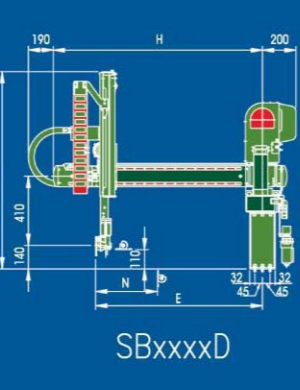
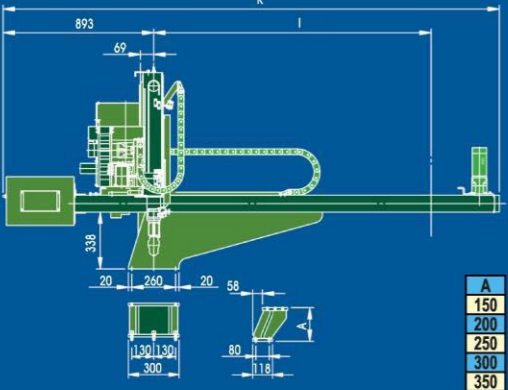


**SB** SERIES



Model No.	E	H	I	K	L	N
SB700	669	1000	1525	2941	1519	446
SB900	789	1120	1765	3181	1719	566
SB1200	909	1240	2005	3421	2019	686

Model No.	E	H	I	K	L	N	Q
SB700S	669	1000	1525	2941	1519	343	1510
SB900S	789	1120	1765	3181	1719	463	1710



Model No.	E	H	I	K	L	N
SB700D	676	1000	1525	2941	1200	417
SB900D	796	1120	1765	3181	1300	537
SB1200D	916	1240	2005	3421	1450	657

Model No.	E	H	I	K	L	N	P	Q
SB700DS	676	1000	1525	2941	1200	284	195	1155
SB900DS	796	1120	1765	3181	1300	404	195	1255
SB1200DS	916	1240	2005	3421	1450	487	226	1405

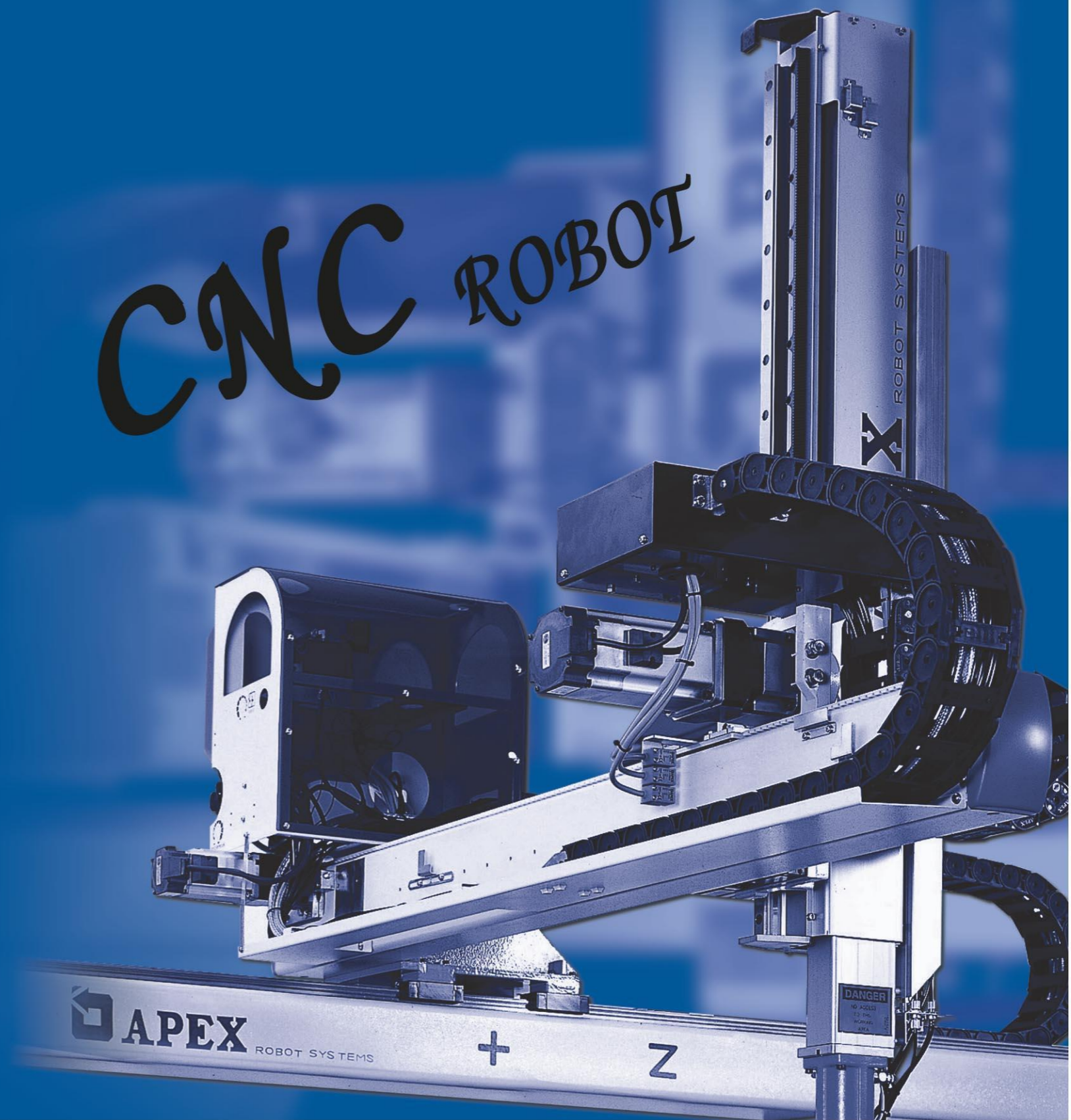
## Technical Specifications

Model No.	Dry Cycle (sec.)	Take-Out	Cycle	Stroke (mm)				Max. Payload (kg)	Net Weight (kg)	Operating Air Pressure
				Crosswise		Vertical				
				Main	Sub	Main	Sub			
SB700	Single-stage & Single-Arm			446	—	—	—	230	5kg / cm <sup>2</sup>	
SB700S	Single-stage & Double-Arm	1.2	9	343	100	700	750	3		
SB700D	Telescopic & Single-Arm			417	—	700	—	250		
SB700DS	Telescopic & Double-Arm			284	100	—	750	3		
SB900	Single-stage & Single-Arm			566	—	900	—	235		
SB900S	Single-stage & Double-Arm	1.3	10	463	100	950	950	3		
SB900D	Telescopic & Single-Arm			597	—	900	—	260		
SB900DS	Telescopic & Double-Arm			404	100	—	950	3		
SB1200	Single-stage & Single-Arm			686	—	1200	—	240		
SB1200D	Telescopic & Single-Arm	1.4	11	717	—	—	—	265		
SB1200DS	Telescopic & Double-Arm			487	100	1250	—	3		

Operation Voltage : AC 220V SINGLE PHASE



CNC ROBOT



## SB SERIES

3 AXIS SERVO DRIVEN CNC ROBOT

- FREE TRACKING CONTROL PROGRAMMING WITH PULSE GENERATOR.
- MULTI-FUNCTIONS PROGRAMMING BUILT IN AS STANDARD.
- SPEED, POSITION, TIMER CAN BE CHANGED DURING OPERATION.
- SYSTEM AND PROGRAM PARAMETER CAN BE SET FOR SAFETY AND MASSIVE PRODUCTION.

NEW



Positive servomotor drives with rack and pinion gear on vertical arm.



Cable guide protection on all electrical wires and air hoses.



Equipped with AC brushless servomotors and individual control. 3 Axes can be synchronized move to designate point at the same time. Accuracy within +/- 0.1mm.

### Application

14 spare inputs and 12 spare outputs for interfacing with other ancillary equipment.

- Parts removal:
  - Synchronized movements reduce complexity and cost to build end-arm-tooling.
  - Able to reach parts with hooks and undercuts using unconventional paths such as curves, etc.
- Stack and array:
 

Each cycle can handle up to 9 stack areas with individual stack formats. Can also place parts onto 100 points on the same surface.
- Insert and grid:
 

Each cycle can place 9 different insertion materials into the mould, fed from a single point, grid pallet, or multi-station.
- 3D Path:
 

The robot can follow teaching point-to-point path to move. It lets the track move smoothly and shorten the cycle time.
- Inspection:
  - Reject program: Detects signal from the moulding machine, set the reject part count and places part in different area.
  - Inspection program: Places part in different area for QC inspection, for example every 100 cycles.
  - Test-mould program: Allows checking of parts at the beginning of each automatic moulding cycle before cycle counter starts.
  - Weight program: Checks part quality from electronic weigh scale and separates defect parts.
  - Cycle counter: Counts the total number of moulding cycles. If counting good parts only, inspection cycle and defect parts are not included in count total.

### Hand-Held Pendant

One key per function design is easy to use. Pulse generator manually moves the robot to designated location for safe and easy programming. Multi-language support and conversation programming are user-friendly and guide the operator easily throughout all operations. Each teachable program can store up to 500 steps and each step can hold 10 parallel motion sequences. All speeds can be adjusted on a percentage scale.

### Wrist Rotation Device



Unique designed wrist rotation device with air shut off pin. Excellent safety protection and easy to changed the End Of The Arm Tooling.

### Standard Accessories



Vacuum pads and frame. Quick-change system.

### Optional Accessories



End-of-arm tooling accessories.

### Optional Accessories



Additional vacuum generator.

### Optional Accessories



Standard SPI / Euromap plug.

### Optional Accessories



Wrist Rotation Device at the End of Arm Tooling.