

SB SERIES

3/5 AXES SERVO DRIVEN
CNC ROBOT



OVERVIEW

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- 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.

FEATURES

STANDARD 14 SPARE INPUTS AND 12 SPARE OUTPUTS FOR INTERFACING WITH OTHER ANCILLARY EQUIPMENT. EXTENSION UP TO 30 I/O ALSO AVAILABLE.

1) Parts removal:

①.3 axes synchronized movements reduce complexity and cost to build end-arm-tooling.

②.Able to reach parts with hooks and undercuts using unconventional paths such as curves, etc..

2) 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.

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

4) 3D path:

The robot can follow teaching point-to-point path to move. It lets the track move smoothly and shorten the cycle time.

5) 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.

SPECIFICATION

Model NO.		Dry Cycle (sec)		Stroke(mm)				Max. Payload (kgs)	Net Weight (kgs)	Operating. Air Pressure	
				Crosswise		Vertical					Traverse
		Take-Out	Cycle	Main	Sub	Main	Sub	Main	Sub		
SB800	Single-stage & Single-Arm	1,2	9	480	-	800	-	1580	8	-	260
SB800D	Telescopic & Single-Arm			450	-	-	-		-	280	
SB800M	Single-stage & Double-Arm	1,2	9	400	400	800	850	1580	8	3	270
SB800DM	Telescopic & Double-Arm			450	450	-	850		3	290	
SB1000	Single-stage & Single-Arm	1,3	10	600	-	1000	-	1820	8	-	265
SB1000D	Telescopic & Single-Arm			570	-	-	-		-	290	
SB1000M	Single-stage & Double-Arm	1,3	10	520	520	1000	1050	1820	8	3	265
SB1000DM	Telescopic & Double-Arm			450	450	-	1050		3	290	
SB1200	Single-stage & Single-Arm	1,4	11	720	-	1200	-	2060	8	-	270
SB1200D	Telescopic & Single-Arm			690	-	-	-		-	295	
SB1200DM	Single-stage & Double-Arm	1,4	11	570	570	1200	1250	2060	8	3	310
SB1400	Single-stage & Single-Arm	1,6	12	720	-	1400	-	2060	8	-	320
SB1400D	Telescopic & Single-Arm			690	-	-	-		-	330	

5 kg/cm²