

## SC SERIES

3 AXES SERVO DRIVEN  
CNC ROBOT WITH  
TELESCOPIC ARM



## OVERVIEW

### 3 AXES SERVO DRIVEN CNC ROBOT WITH TELESCOPIC ARM

- 3 Axes synchronized movement CNC servo drive robot with telescopic vertical arm.
- Free tracking control programming with pulse generator.
- Rigid Structure built for steady movement and precise positioning with heavy payloads.

## 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.

Model NO.		Stroke (mm)			Max. Payload (kgs)	Net Weight (kgs)	Operating Air Pressure
		Crosswise(kick ) ( N )	Vertical ( C )	Traverse ( I )			
SC900	Single-stage	600	900	1710	12	520	5 kg/cm <sup>2</sup>
SC1100	Single-stage	780	1100	1950	12	530	
SC1300	Single-stage	900	1300	2130	12	540	
SC900 D	Telescopic	600	900	1710	12	530	
SC1100 D	Telescopic	780	1100	1950	12	540	
SC1300 D	Telescopic	900	1300	2130	12	550	
SC1500 D	Telescopic	950	1500	2190	30	710	
SC1700 D	Telescopic	1190	1700	2310	30	730	
SC2000 D	Telescopic	1430	2000	2490	30	750	
SC2500 D	Telescopic	1550	2500	3010	50	980	
SC3000 D	Telescopic	1970	3000	3010	50	1000	
SC2500 DH	Telescopic	1960	2500	3360	120	2310	
SC3000 DH	Telescopic	1960	3000	3840	120	2440	
SC3500 DH	Telescopic	2200	3500	4320	120	2570	
SC4000 DH	Telescopic	2200	4000	4800	120	2700	

**SPECIFICATION**