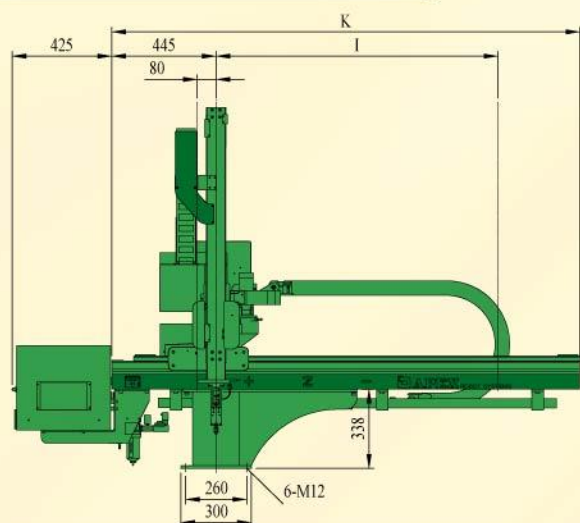
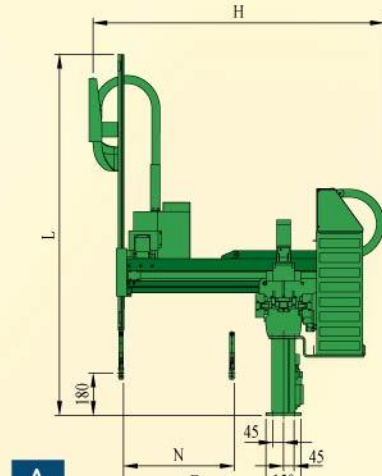


Mechanical Drawings

SC750G ~ SC950G

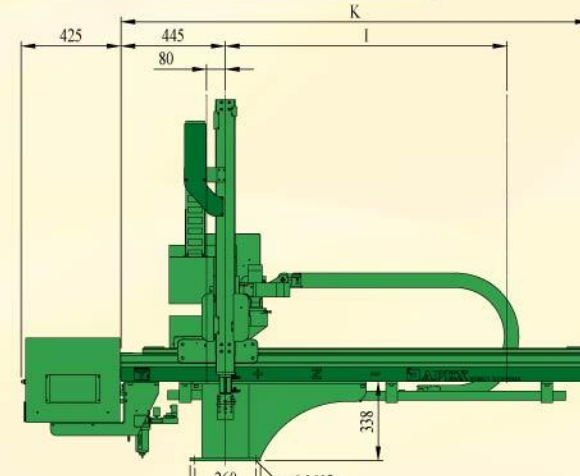


Model No.	E	H	I	K	L	N
SC750G	487	1121	1020	1814	1550	352
SC950G	607	1241	1200	1994	1750	472

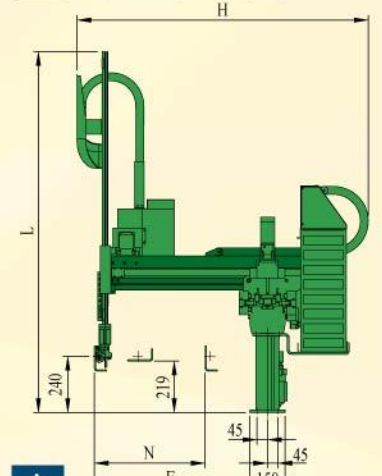


A	Stroke (mm)
100	750
150	950
200	1020
250	1200
300	1200
350	1200

SC750W ~ SC950W



Model No.	E	H	I	K	L	N
SC750W	543	1121	1020	1814	1550	352
SC950W	663	1241	1200	1994	1750	472



A	Stroke (mm)
100	750
150	950
200	1020
250	1200
300	1200
350	1200

Technical Specifications

Model No.	Configuration	Stroke (mm)			Max. Payload (kg)	Net Weight (kg)	Operating Air Pressure
		Crosswise (N)	Vertical	Traverse (I)			
SC750G	Single-stage with gripper	352	750	1020	3	180	5 bar
SC950G	Single-stage with gripper	472	950	1200	3	185	
SC750W	Single-stage with wrist	352	750	1020	3	185	
SC950W	Single-stage with wrist	472	950	1200	3	190	

Operation Voltage: AC220V single phase



APEX ROBOT SYSTEMS, INC.

No. 5, 35th Rd., Taichung Industrial Park,

Taichung, Taiwan, R.O.C.

TEL:886-4-23594239 FAX:886-4-23597923

E-mail:sales@apexrobot.com

Website http://www.apexrobot.com

PHOTO: DESIGN BY SINCERE INC. TEL:886-4-23594239



CNC ROBOT SC750/950 SERIES



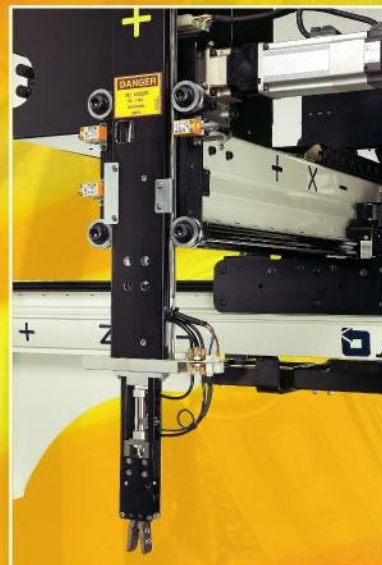
SC750/950 SERIES

3 AXIS SERVO DRIVEN CNC ROBOT

- Light weight high speeds model for modern electrical injection molding machine.
- 3 axis CNC servomotor driven. Free tracking programming with pulse generator.
- Window XP base DSP control system with USB port. Easy to upload / download programs.
- All the necessary functions built in as standard. No extra charge.
- Able to storage teach program download or upload to PC through USB port.



All moving axis rides on harden tool steel rail with bearing guide. Less friction quiet smooth movement ideal for high speeds application.



Alloy aluminum extrusion arm. Thin wall design for tight mold space and high speeds take-out.



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



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.



Application

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

1. Parts removal:

- 3 Axis synchronised 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.

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.



Optional Accessories
End-of-arm tooling accessories.



Optional Accessories
Additional vacuum generator.



Optional Accessories
Standard SPI / Euromap plug.