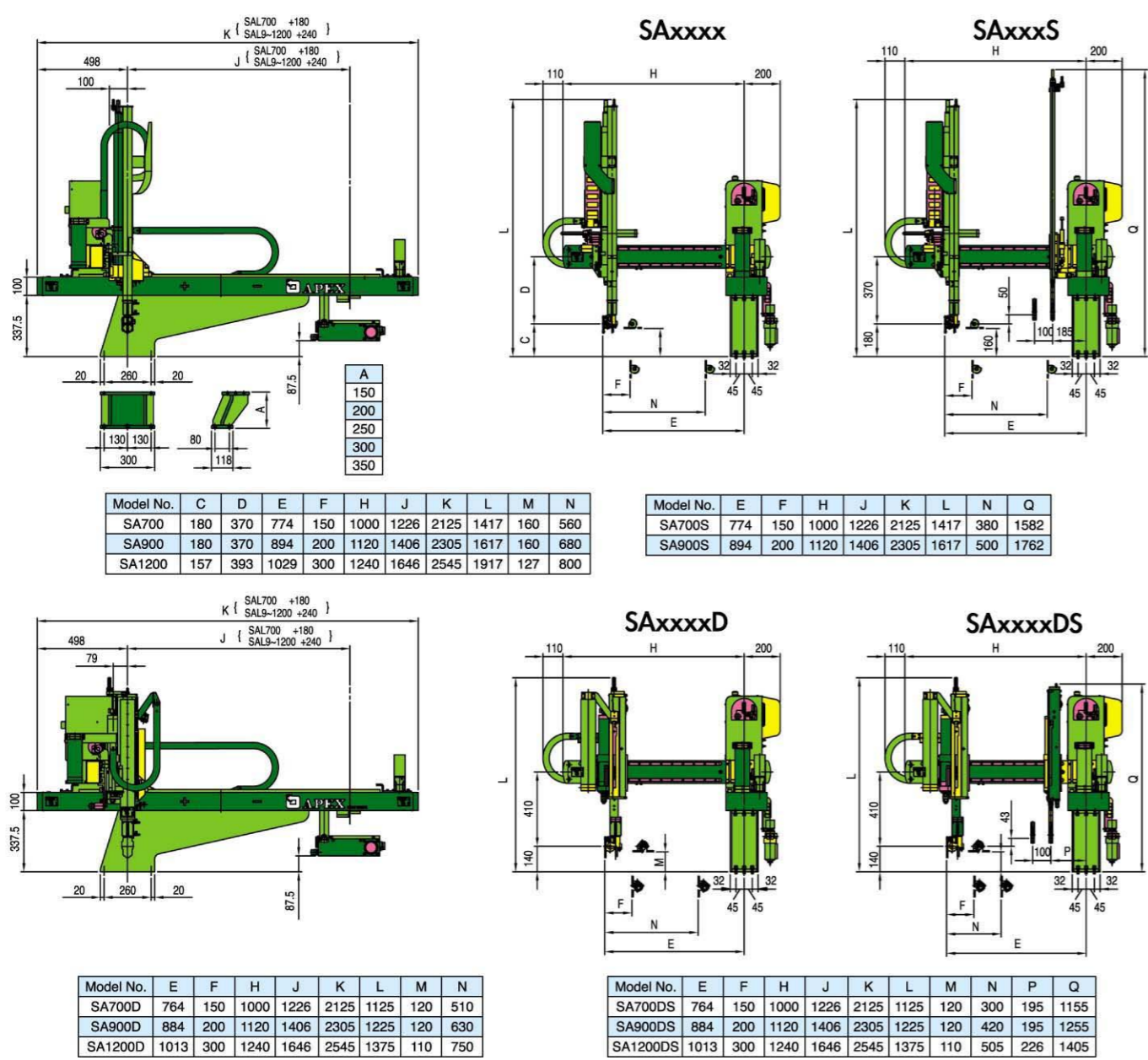


Mechanical Drawings



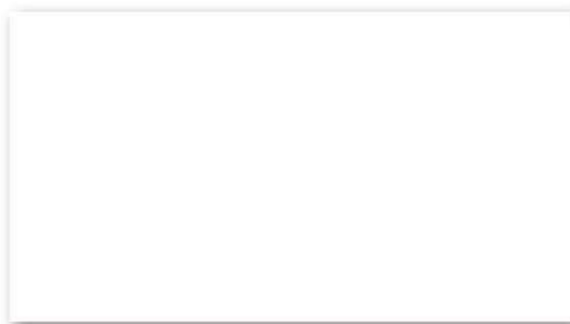
Technical Specifications

Model No.	Dry Cycle (sec.)	I.M.M. Range (Tonne)	Stroke (mm)				Max. Payload (kgs)	Net Weight (kgs)	Comp Air Consumption (NL/Cycle)
			Crosswise Main	Crosswise Sub	Vertical Main	Vertical Sub			
SA700	1.2	80-200	150	100	750	1226	180	37	
SA700S	1.2	80-200	150	100	750	1226 (SAL+180)	190	42.5	
SA700D	1.4	200-450	200	100	950	1406 (SAL+240)	200	32.5	
SA700DS	1.4	200-450	200	100	950	1406 (SAL+240)	210	41	
SA900	1.4	200-450	200	100	950	1406 (SAL+240)	185	46.5	
SA900S	1.4	200-450	200	100	950	1406 (SAL+240)	200	52.5	
SA900D	1.6	450-650	300	100	1200	1646 (SAL+240)	210	40.5	
SA900DS	1.6	450-650	300	100	1200	1646 (SAL+240)	220	50.5	
SA1200	1.6	450-650	300	100	1200	1646 (SAL+240)	190	59.5	
SA1200D	1.6	450-650	300	100	1200	1646 (SAL+240)	215	51.5	
SA1200DS	1.6	450-650	300	100	1250	1646 (SAL+240)	230	63.5	

Power Source: AC 110V or 220V SINGLE PHASE



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SA SERIES
TRAVERSING ROBOT
 ONE AXIS SERVO DRIVEN



PHOTO - DESIGN BY SINCEP INC. TEL: 886-4-23592888



SA SERIES TRAVERSING ROBOTS

New

- APEX IS THE MOST TRUSTED NAME IN INJECTION MOULDING ROBOTS
- 3 Axis linear guide bearing for smooth movements.

Servo Motor-Driven On Traverse-axis



Uniquely designed wrist rotation device with air shut off pin for excellent protection and quick changes of end-of-arm tooling.



SA-S SERIES



SA-DS SERIES



Cable guide protection on all electrical wires and air hoses.



- AC Brushless servomotor drive on traverse axis with accuracy to ±0.1mm.
- Available in 110V or 220V single phase operation, please specify.



Hand-Held Controller:

One key per function pendant with large LCD screen and multi-language support. Conversational programming style is user-friendly and easy to use.

Programming:

- 10 standard and 10 teachable programs.
- Each teachable program can store up to 100 steps, and each step can hold 4 parallel motion sequences.
- Self-diagnostic system continually monitors input / output status and stores 20 most recent error messages.
- Z axis speed can be adjusted on a percentage scale.

Application:

5 spare inputs and 8 spare outputs for interfacing with other ancillary equipment.

Parts Removal:

Easy to manoeuvre within mould area and use unconventional paths to remove mouldings and reduce end-of-arm tooling cost.

Parts drop off:

- 9 programmable positions within 2 areas, totalling 18 points.
- Additional cross axis setting can reach 36 points.
- Rapid setting using pitch to reach 99 points.
- Additional cross axis setting can reach 198 points

Peripheral equipment:

Connect to conveyor, mist sprayer, sprue cutter, sensors and other equipment to complete the automation system.

Inspection:

- Reject program: Detects signal from the moulding machine and places reject parts 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.
- Parts counter: Counts the total number of good parts and stops robot operation once count target is met.

Compact Gripper



Slim gripper design is only 20mm wide for tight mould access. Grip power is 25kg/cm².

Standard Accessories



Vacuum pads and frame. Quick-change system.

Optional Accessories



Additional vacuum generator.

Optional Accessories



End-of-arm tooling accessories.

Optional Accessories



Standard SPI/Europlug

Optional Accessories



Wrist Rotation Device at the End of Arm Tooling.