

SC-150S/D, SC-250S/D

■ Features

Clamping force 100–350 tf

Number of servo axes 3/5-axis

NC box On robot body

Controller E-touch Lite-SC

Economical All-Axis Servo Driven Take-Out Robot Built for Energy Savings, Vibration Control, and Speed

SC series robots are standard-equipped with ECO Vacuum, ECO Mode*, and ECO Monitor to increase energy efficiency. Design optimization also improved SC robots' productive output, by teaming with vibration control to shorten arm settling times and also increase take-out speed by reducing component weight.

E-touch Lite-SC



- ECO Vacuum
- ECO Mode*
- ECO Monitor
- Lead Through Teaching

Standard equipment

* In ECO Mode, the robot automatically slows down its traverse speed to most efficiently suit the molding machine's next cycle start time.

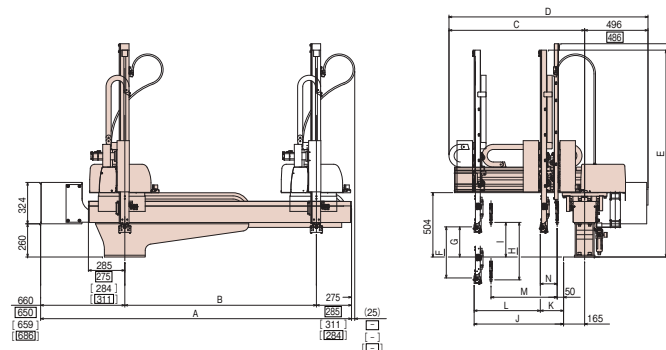
■ Standard Specifications

Power source	Driving method	Control method	Air pressure	Wrist flip angle
Single phase AC200V/220V (50/60Hz)	Digital servo motor 3/5-axis	Micro computer control	0.49MPa Maximum allowable air pressure (factory) 0.7MPa	90 deg.

Model	Power consumption	Traverse stroke (mm)	Kick stroke (mm)		Vertical stroke (mm)		Air consumption (NL/cycle)	Payload (kg)	Clamping force (tf)
			Main arm	Sub arm	Main arm	Sub arm			
SC-150S	S type 1.5kVA AC200V 7.5A	1500 [1700] [1900]	578	—	800 [900]	—	2.4 (ECO Vacuum Specification)	5	100 ~ 250
SC-150D			518	518	850 [950]	—			
SC-250S	D type 1.9kVA AC200V 9.5A	1500 [1700] [1900]	728	—	900 [1000]	—	2.7 (ECO Vacuum Specification)	5	250 ~ 350
SC-250D			668	668	950 [1050]	—			

S type: Robot is equipped with product take-out arm only. D type: Robot is equipped with product take-out arm and runner take-out arm.
[] = Modified traverse stroke
Payload includes the end-of-arm tool.

■ Dimensions (mm)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
SC-150	2435 [2670] (2835)	1500 [1700] (1900)	1065	1561 [1551] (1724)	1620 (1724)	800 (900)	236	850 (950)	271	700	182 [122]	518 [578]	518	132	1670 (1774)
	1716 [1706] (1820)	1724 (1820)	900 (1000)	950 (1050)	850	668 [728]		668				1774 (1870)			
SC-250			1220	1716 [1706] (1820)	1724 (1820)	900 (1000)		950 (1050)		850		668 [728]	668		1774 (1870)

[] = Modified traverse stroke of 1900mm
[] = Modified traverse stroke of 1700mm
() = Modified vertical stroke
□ = For rear-side models = for rear-side models
[] = S-Type Dimensions



The CE specification is a special order. Please contact us.

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