All-Axis Servo Driven Type Take-Out Robot

YUSHIN

SC-70S/D

■Features

- Clamping force: 30–100 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

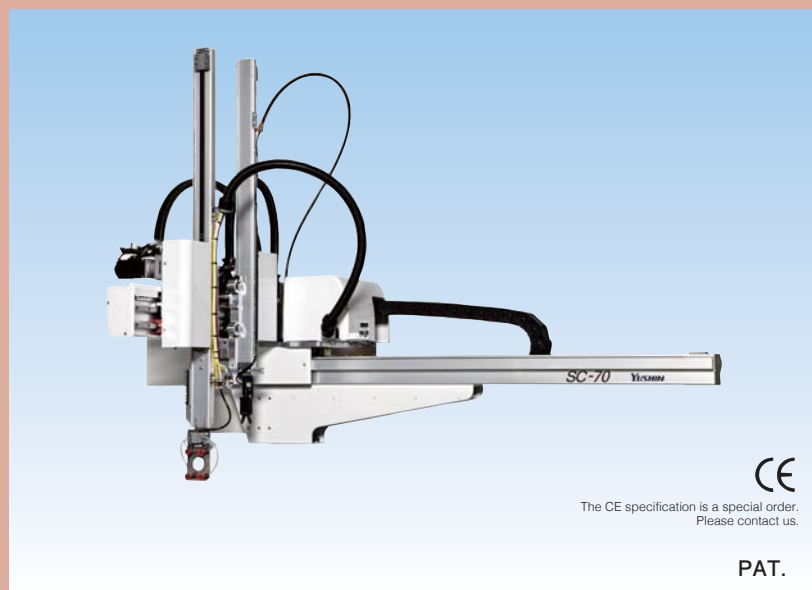
SC series robots are standard-equipped with ECO Vacuum, ECO Mode*, and ECO Monitor to increase energy efficiency. Design optimization also improved SC robots' productive output, by teaming with vibration control to shorten arm settling times and also increase take-out speed by reducing component weight.

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.



CE

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

PAT.

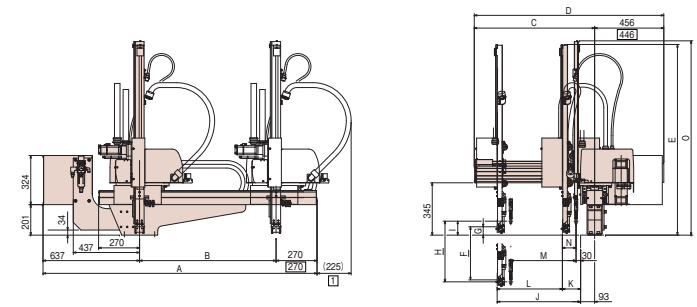
■Standard Specifications

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-70S	S type 1.0kVA AC200V 5.0A	900 [1200] [1600]	470	—	[550] 650 [750]	—	1.7 (ECO Vacuum Specification)	3	30 ～ 100
SC-70D	D type 1.3kVA AC200V 6.5A		430	430		[600] 700 [800]			

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-70	1807 (2107) (2507)	900 (1200) (1600)	795	1251 1241	1257	〈550〉 650 〈750〉	55	〈600〉 700 〈800〉	92	550	120 【80】	430 【470】	430	90	1281

( ) = Modified traverse stroke
【 】= S-Type Dimensions
□ = for rear-side models
〈 〉= Models with shortened or modified vertical stroke