

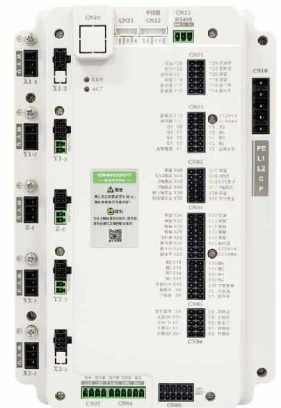


ST5-850-1400DT-S2-I-Lite

Light load servo drive-control integrated robot

Features

- Relying on mature and reliable servo drive technology, it operates stably and efficiently.
- Equipped with a Cortex®-M7 480MHz MCU processor, 128KB Flash + 1MB RAM, and 1Gb SDNAND memories, it boasts powerful computing power.
- Adopting a common DC busbar architecture, the drive operates more robustly, with significantly improved overload capacity.
- The main control and servo modules are efficiently connected through a unified base-board, streamlining redundant wiring.
- The servo parameters can be automatically configured by one click on the control board, eliminating the need for cumbersome manual tuning. There is no need for separate settings for the drive, significantly enhancing operation and maintenance efficiency.
- Equipped with a standard 7-inch hand controller, it offers flexible and convenient operation.

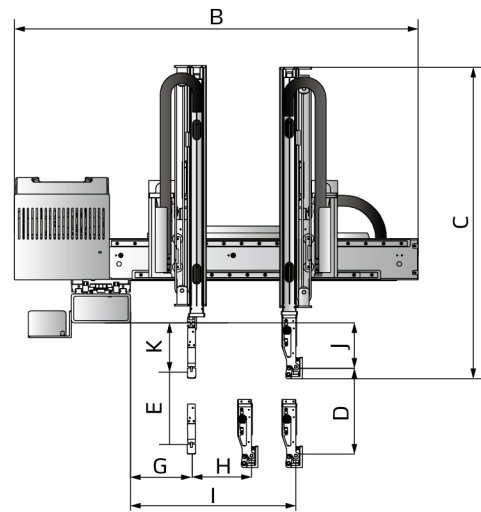
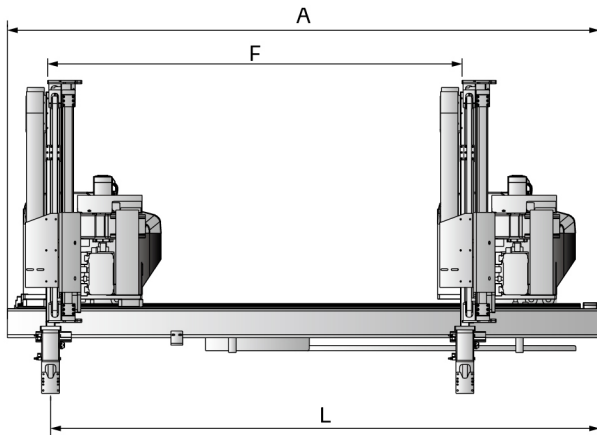


Unified Drive-Control Integration Unit

Application

This robot series is designed for rapid and precise removal of products from injection molding machine, and place them at desired locations. Apply to 2/3-plate mold or hot runner system. Capable of arranging, stacking, quality checking and insert molding. Suitable for injection molding machine with clamping force 80~300 tons.

Outline Drawings



Specifications

Model		ST3-850-1400T-S2-I-Lite	ST3-1100-1600T-S2-I-Lite	ST5-850-1400DT-S2-I-Lite	ST5-1100-1600DT-S2-I-Lite
Robot type		Single kick stroke beam		Single kick stroke beam	
IMM (ton)		80-200		250-300	
Traverse Stroke (mm)		1400		1600	
Crosswise Stroke (mm)	Main Arm	700	900	550	780
	Sub Arm	-	-	550	780
Vertical stroke (mm)	Main Arm	850	1100	850	1100
	Sub Arm	-	-	850	1100
Max Load (with tool) (kg)		3		5	
Min Pick-out Time (sec)		1.4		1.6	
Min Cycle Time (sec)		5.9		6.5	
Air Pressure (bar)		4~6		4~6	
Max. Air Consumption (NL/cycle) *		4		4	
Weight (kg)		230		260	
Dimensions (mm)	A	2060	2220	2060	2220
	B	1350	1600	1350	1600
	C	1200	1250	1200	1250
	D	850	1100	850	1100
	E	-	-	850	1100
	F	1400	1600	1400	1600
	G	-	-	140	90
	H	-	-	155	150
	I	780	1050	780	1050
	J	200	230	200	230
	K	-	-	210	250
	L	1800	2100	1800	2100

Notes: 1) "M" stands for middle mold detector. (suitable for three-plate mold.)

"EM12" stands for EUROMAP 12 communication interface.

"EM67" stands for EUROMAP 67 communication interface.

"N" stands for non-operation side, operation side without "N"

2) Power supply: 1Φ, 200~240V, 50/60Hz.

3) " * " Max. air consumption for vacuum device 60NL/min.

Shini Group

Addr: No. 23, Minhe St., Shulin Dist.,
New Taipei, Taiwan

Tel: +886 2 2680 9119

Fax: +886 2 2680 9229

Email: shini@shini.com

Factories:

- Taiwan
- Dongguan
- Pinghu
- Ningbo
- Chongqing
- Pune

2026-07-15-04 Copyrights Reserved.

www.shini.com