



## Three/Five Axes Servo Driven Robot (Driven-control integrated)

ST5-800-1400DT-S2-I



### Application

Thina series robot 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 in mold placement. Suitable for injection molding machine with clamping force 80~300 tons.

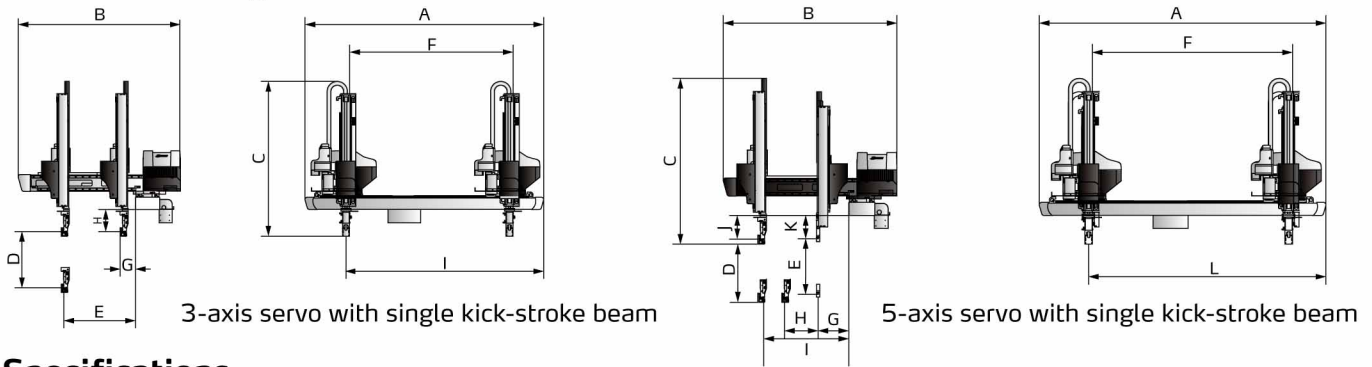
Refer carefully to this manual before operation.

# ST3/5 Series

## Features

- Advanced driver ensures stable performance;
- Highly modular design and card split structure makes it only has to change corresponding module without disassembling and replacing the whole machine during maintenance, which is better than most of other drive-control units in the market.
- The shared DC bus makes the driver work more stably, with better overload capacity. Moreover, it only needs a regenerative resistor, which saves mount space.
- The main control module and the servo module are connected in the unified base plate, which avoid cumbersome manual wiring and increases the system's stability and reliability;
- The servo parameters can be set by the control plate automatically;
- The bus controlled interface is suitable for all kinds of IMM (national, European and Japanese standards), suitable for new 8" manipulator;
- It not only features the split stability, but also saves the labor works of wiring, and it shortens the size of the control box.

## Outline Drawings



## Specifications

Model	ST3-800-1400T-S2-I	ST3-1000-1600T-S2-I	ST5-800-1400DT-S2-I	ST5-1000-1600DT-S2-I
IMM (ton)	80-160	220-300	80-160	200-300
Traverse Stroke (mm)	1400	1600	1400	1600
Crosswise Stroke (mm)	Main Arm	600	400	400
	Sub. Arm	-	400	400
Vertical Stroke (mm)	Main Arm	800	800	1000
	Sub. Arm	-	-	800
Max Load (with tool) (kg)	5	5	5	5
Min Pick-out Time (sec)	1.3	1.4	1.3	1.4
Min Cycle Time (sec)	5.2	5.5	5.2	5.5
Air Pressure (bar)	4-6	4-6	4-6	4-6
Max. Air Consumption (NL/cycle)*	4	4	4	4
Weight (kg)	250	300	290	320
Dimensions (mm)	A	2060	2300	2060
	B	1400	1400	1400
	C	1240	1360	1240
	D	800	1000	800
	E	680	680	800
	F	1400	1600	1400
	G	180	180	180
	H	190	190	110
	I	1730	1930	680
	J	-	-	200
	K	-	-	190
	L	-	-	1730

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

"EM12" stands for EUROMAP 12 communication interface.

"EM67" stands for EUROMAP 12 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."