



## Servo Driven Swing-arm Robot

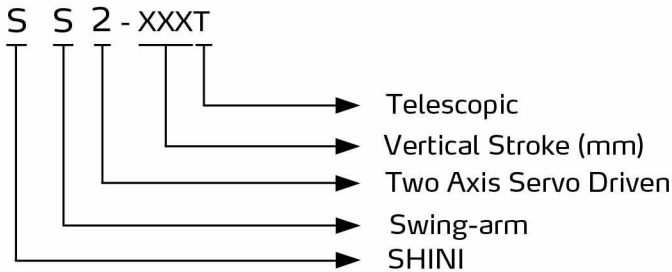
SS2-650



Refer carefully to this manual before operation.

# SS2 Series

## ■ Coding Principle



## ■ Features

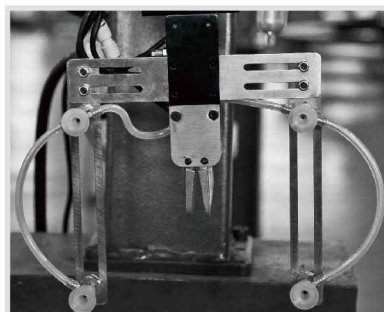
- Appearance  
Designed with elegant appearance; Aluminium profiles are largely used to provide compact and streamlined appearance.
- Base Mechanism  
Fast mold changing design provides simple method for changing molds. The base is rotatable for 90° by releasing the handle.
- Convenience  
SS2 robot crosswise axis is driven by servo motor, which is very convenient and flexible. Customer can reset the crosswise stroke on the hand controller instead of adjusting the cylinder stroke on the robot.
- Intelligence  
3.2 inch true color LCD, each output signal control with intelligent detection, short circuit, overload, thermal protection. Real-time monitoring the status of robot. Display error messages, easy to operate and keep safe use. Depend on the configuration, flexible to set the extend input and output, provide plug and use without modify control system. Easy to use but powerful teach program with verify modes of servo positioning, can use conditions judgment, loop control, waiting and so on signals. The servo positioning support 10 cycles location area, each matrix size up to 99×99, capable of arranging and stacking functions.



## ■ Options



Middle Mold Detector



Vacuum Device

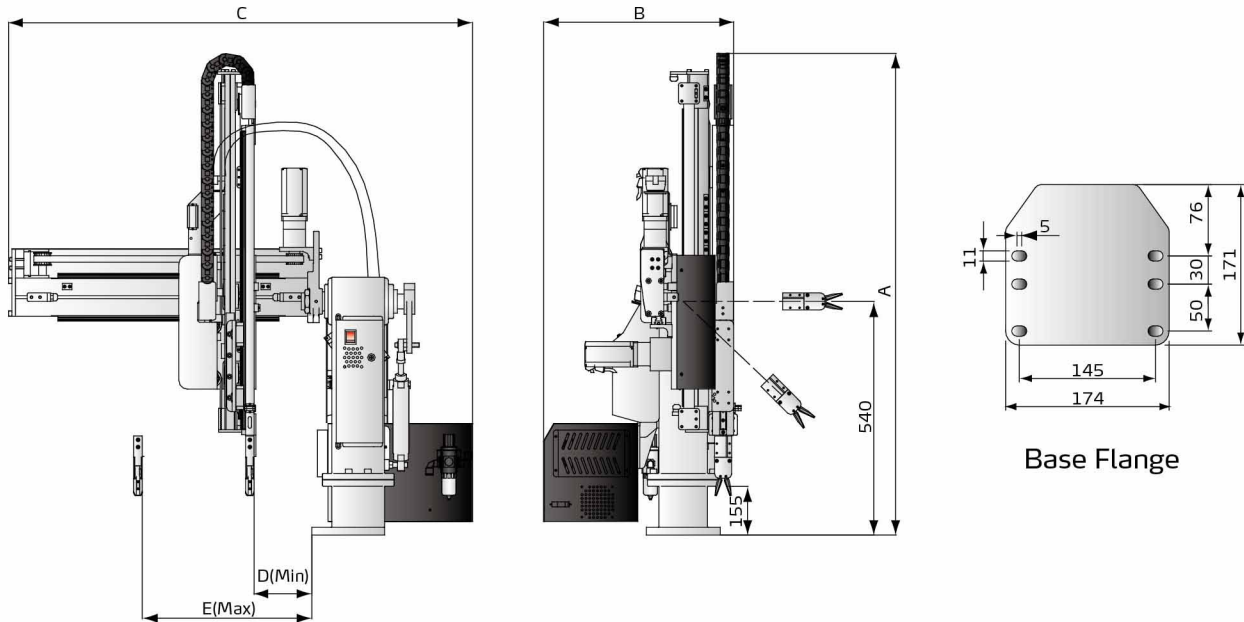


Rotate Wrist

## Application

The SS2 series robot is designed for rapid and precise removal of sprue and runner from injection molding machine, and place them into granulator for recycling. Simple product removal is applicable with optional vacuum generator and EOAT. Suitable for injection molding machine under 250T clamp force.

## Outline Drawings



## Specifications

| Model                            |   | SS2-650 | SS2-750T |
|----------------------------------|---|---------|----------|
| IMM (ton)                        |   | 50~150  | 150~250  |
| Crosswise Stroke (mm)            |   | 270     | 250      |
| Vertical Stroke (mm)             |   | 650     | 750      |
| Max.load (kg)                    |   | 0.5     | 0.5      |
| Min Pick-out Time (sec)          |   | 0.8     | 0.6      |
| Min Cycle Time (sec)             |   | 3.1     | 2.8      |
| Air Pressure (bar)               |   | 4~6     | 4~6      |
| Max Air Consumption (NL/cycle) * |   | 6       | 6        |
| Weight (kg)                      |   | 80      | 100      |
| Dimensions (mm)                  | A | 1350    | 1170     |
|                                  | B | 450     | 450      |
|                                  | C | 1080    | 1080     |
|                                  | D | 165     | 135      |
|                                  | E | 435     | 385      |

Notes: 1). "V" stands for vacuum device.

"M" stands for middle mold detector. (Suitable for three-plate mold.)

"R" stands for claw rotating group

"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 requirement: 1Φ, 100~240V, 50/60Hz.

3). " \* " Max air consumption for vacuum device 30NL/min.

We reserve the right to change specifications without prior notice.

## 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](mailto:shini@shini.com)

### Factories:

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

2020-11-30-04 版權所有 翻版必究

[www.shini.com](http://www.shini.com)