



**GLUDITEC**  
Glue & Dispensing Technology

# SER Series

## High accuracy Desktop Robot



SER-300 is one of the most popular robots in SR Series because of its high applicability. SER-300 is also designed and configured specifically for fluid dispensing applications, provide total control over fluid placement, from beads, arcs and circles to repeated timed dots. With simple operation and being compatible with almost type of valve and controller, SER-300 helps manufacturers increase efficiency and reduce cost significantly.

- > The popular robot in SER series robot.
- > Dispensing area from 200x200x100 mm to 600x500x100 mm  
Dot, Lines, Arc etc. and 3D dispensing path is available.
- > 100 programs, 4000 points per program.
- > A hand-held Teach Pendant is provided for simple and intuitive programming functions.
- > Apply adhesives, cyanoacrylates, silicone, RTV, anaerobic resin, epoxy, UV cure formulations and many more fluids.
- > Windows SRE software is available for CAD file input (optional).

## FEATURES

### Rich selection of models working range

- Standard: 200 x 200mm - 600 x 500 mm 5 kinds of choose
- Customizing ability to meet any requirements of working area

### Software

Exclusive software meant to handle the tasks of securing screws, distributing materials, and conducting soldering operations.

### Simple PLC function

The robot's action is comprised of 100 individual built-in procedures and a total of 4000 steps in the simple procedure.

## OPTIONS

### Dual Y



### Rotary Table



### Multiple output



### 4 Axis Robot





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## SPECIFICATION

Model	SER-200	SER-300	SER-400	SER-500
Working range (X/ Y/ Z) mm	200 x 200 x 50	300 x 300 x 100	400 x 400 x 100	500 x 500 x 100
Max. load Y/ Z Axis	5kg/ 3kg	11kg/ 6kg		
Speed X & Y/ Z (mm/sec)	500/350	800/350		
Repetitive Positioning Accuracy	±0.02mm/axis			
Program Capacity	Min. 100 group, 4000 points/group			
Data Storage Type	CF Card			
Byte	32 bit			
Program Display	LCD			
Motor System	Micro stepping motor			
Mode of transmission	Synchronous belt	X/Y Axis synchronous belt, Z Axis precision ball screw		
Interpolation Function	3 axis			
Teaching Method	Teach Pendant			
I/O Signals Port	8 Inputs/ 8 Outputs			
External Control Interface	RS232			
Power Supply	AC100 - 230V 300W			
Working Temperature	10 ~ 40°C			
Working Relative Humidity	20 ~ 90% no condensation			
Dimension (L x W x H) mm	385 x 380 x 500	485 x 505 x 610	585 x 610 x 610	785 x 700 x 610
Total weight	23kg	34kg	41kg	56kg