

SRR-SY Series

4 Axis Desktop Dispensing Robot



The SSR Series features our advanced 4-axis glue dispensing robots, which perform all the functions of traditional 3-axis machines and offer an expanded operational range. These robots are equipped with four axes: X, Y, Z, and R. Including the R-axis enhances the conventional three axes by enabling a full 360-degree rotation of the dispensing nozzle. This capability is specifically tailored for applying glue to both inner and outer ring surfaces. By manually adjusting the R-axis angle, these 4-axis fluid dispensing robots can effectively dispense adhesive at nearly any angle within the 360-degree plane. Additionally, the R-axis can facilitate product rotation, making it ideal for dispensing glue in grooves around various products. Consequently, this design allows for comprehensive adhesive application around an item's surface.

FEATURES

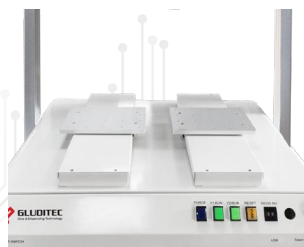
- Dispensing area from 300x300x100/360° mm to 500x500x100/360° mm
- Dot, Lines, Arc etc. and 3D dispensing path is available.
- 100 programs, 4000 points per program.
- A hand-held Teach Pendant is provided for simple and intuitive programming functions.
- Windows SRE software is available for CAD file input (optional).
- Apply adhesives, cyanoacrylates, silicone, RTV, anaerobic resin, epoxy, UV cure formulations and many more fluids.
- Benefit the shadow area dispensing application

ZOOM IN

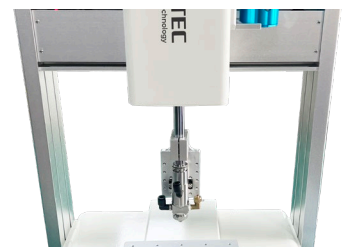


Rotary Axis

OPTIONS



Dual Table



With Valve

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DESKTOP ROBOT MAIN SPECIFICATIONS

Model	SER-300	SER-400	SER-500
Working range (X/ Y/ Z) mm	300 x 300 x 100/360°	400 x 400 x 100/360°	500 x 500 x 100/360°
Max. load Y/ Z Axis	11kg/ 2.0kg		
Speed X & Y/ Z (mm/sec)	800/320		
Repetitive Positioning Accuracy	0.01mm/axis		
Program Capacity	100 programs/ 4000 points per program		
Data Storage Type	CF Card		
Number of axis	4 axis		
Program Display	LCD		
Motor System	Three-phase micro-stepping precision motor		
Mode of transmission	X/Y axis synchronous belt Z axis screw		
Motion tweening	4 axis		
Teaching Method	Teaching 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	485 x 505 x 610	585 x 610 x 610	785 x 700 x 610
Total weight	34kg	41kg	52kg

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LIQUID CONTROL

GC-824 - General Pneumatic Fluid Dispenser

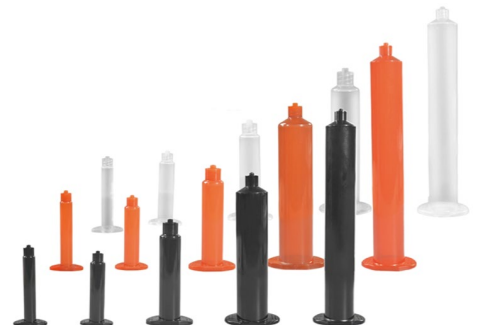
The GC-824 dispensing controller, also referred to as an autonomous fluid dispenser, is commonly employed for various fluids, particularly adhesives of varying viscosities. It excels in executing precise dispensing tasks like dotting, marking, and filling. Its applications span a wide range of industries including electronics, optics, packaging, automobiles, medical, jewelry, toys, and more.

- Dot, underline and fill
- Adjust the vacuum suction device to effectively control the dripping of thin liquids
- With a backlight LCD display, dispensing parameters can be displayed clearly at a glance
- Compact structure and small size;



Properties	Value
Dimension	L170 x W230 x H75mm
Weight	2.5kg
Air input	0.5 ~ 0.9 bar
Air output	0.01 ~ 0.8 bar
Repeat Tolerance	±0.05%
Dispense time	0.001 ~ 99.99 sec +/-0.1%
Voltage	110V/220V±10% 50Hz
Power Consumption	< 15W

PN	Volume	Outer diameter	Outer diameter	length	Color
aGSYA-03	3cc	11.4	9.5	73.6	Black Amber Brown Clear
aGSYA-05	5cc	14.5	12.6	69.3	
aGSYA-10	10cc	18.4	15.6	91	
aGSYA-30	30cc	25.4	22.6	118.5	
aGSYA-50	50cc	25.4	22.6	175.2	



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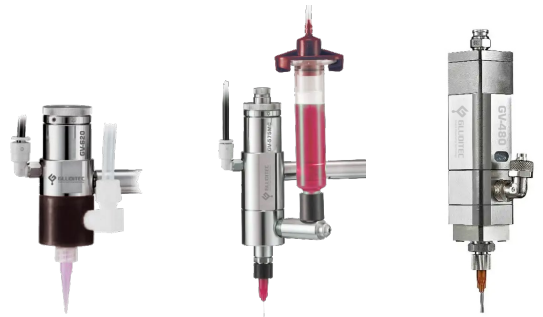
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OTHER LIQUID CONTROL OPTIONS



4-axis dispensing valve

Make dispensing process by using our dispensing valves:



GV-620

GV-575MC

GV-480



Dual Y Table



Two-part Cartridge Dispensing