

## SER-MP Series

Multiple Output Desktop Dispensing System



The SER-MP Series is a versatile desktop dispensing system designed to enhance productivity through its multiple output heads. The system's Z-axis features a specially designed bracket, allowing for adjustable spacing between the heads to accommodate various dispensing applications. This bracket is highly adaptable, capable of securely holding syringes as well as integrating with valves or larger cartridge holders, making it suitable for a wide range of adhesive dispensing tasks.

### FEATURES

- Multiple Output Heads
- Adjustable Z-Axis Bracket
- Versatile Compatibility
- Precision Control
- Compact Desktop Design

### BENEFITS

- **Increased Productivity:** With multiple output heads, the system allows for faster dispensing, reducing cycle times and boosting overall productivity.
- **Enhanced Flexibility:** The adjustable Z-axis bracket enables the system to adapt to different applications, allowing for the handling of various adhesives and dispensing techniques.
- **Cost-Effective Solution:** By accommodating different syringe sizes and larger cartridges, the system reduces the need for multiple machines, offering a cost-effective solution for diverse dispensing needs.
- **Space Efficiency:** Its compact desktop design ensures it fits into smaller workspaces without sacrificing functionality, making it ideal for a variety of industrial settings.
- **Versatile Applications:** Suitable for a wide range of industries, including electronics, automotive, and manufacturing, where precise adhesive dispensing is crucial.

### OPTIONS



30ml Single Syringe Bracket



3 Valve Bracket



5 Pen Bracket

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### DESKTOP ROBOT MAIN SPECIFICATIONS

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

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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	Inner 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	

