

# GlueGo Desktop Dispensing Robot Series

## GlueGo Desktop Dispensing System

**“GlueGo”** Desktop dispensing system built-in a fully-integrated dispensing controller with suck-back function, It's a compact and economically priced desktop robot. This robot will support most dispensing applications that require a high performance standard. Easy programming is accomplished through a hand-hold teach pendant and software that allows dispensing of dots, lines, arcs, circles, and even complex three-dimensional motions for filling and encapsulation.



Items	Model	GR 300S	GR 300D	GR 300S2Y	GR 300D2Y
Stroke(mm)	Number of Axis	3 (Single head X,Y,Z)	3 (Double head X,Y,Z)	4 (Single head X,Y1,Y2,Z)	4 (Double head X,Y1,Y2,Z)
	X-aixs	300	300	300	300
	Y-aixs	300	300	300	300
	Z-aixs	80	80	80	80
Speed (mm/s)	X Y aixs	1-500	1-500	1-500	1-500
	Z aixs	2.5-250	2.5-250	2.5-250	2.5-250
Repeatability (mm)	X Y aixs	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm
	Z-aixs	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm
Dimensions (mm)	W x D x H	550 x 640 x 660	550 x 640 x 660	850 x 640 x 660	850 x 640 x 660
Weight	Net Weight	50kg	55kg	80kg	85kg
Power source	Voltage / Frequency	AC220V, single phase, 50/60Hz			
	Capacity (kva)	750(VA)			
Motor	Type	5 phase Step motor (YAKO)			
	Operation	Micro Step			
Programming	Teching method	Hand-held teach pendant , Manual Data input ,			
	Motion control	PTP, CP (3dimensional straight line/ circular arc interpolation)			
	Program capacity	2G memory ≤8000 programs			
Maximum Load		X-Y Axes: 15 Kg (33 lbs.) Z Axis: 6 Kg (13 lbs.)			
Working Temperature		0 - 40 °C (32-104 °F)			
Relative Humidity		20–90% (non-condensing)			
Approvals		CE			
Air Input		5 Kg/cm <sup>2</sup> (approx. 70 psi)			

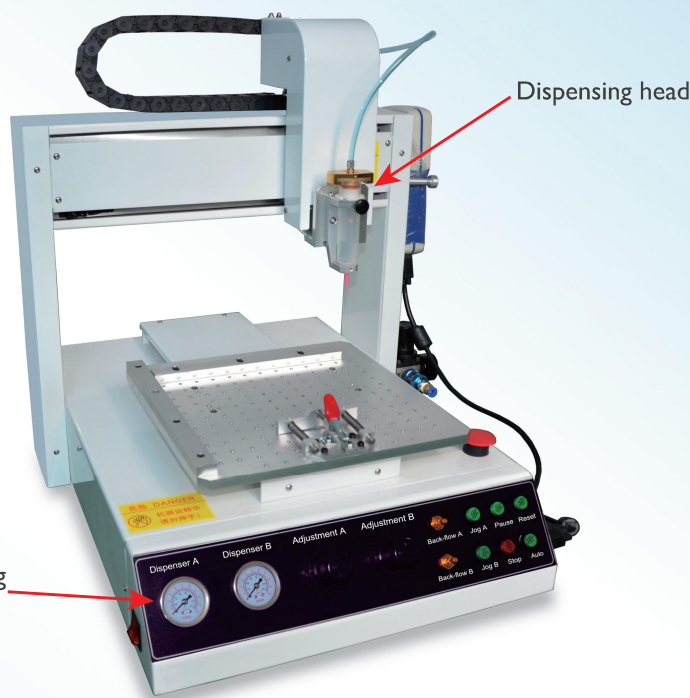


# GlueGo Desktop Dispensing System GR300S

Lower production cost • provides dispensing consistency • raises productivity



Hand-hold  
Teching pendant



Built-in a fully-integrated dispensing  
controller with suck-back function

- ▲ 300 x 300 x 80mm Movement range
- ▲ 400 x 400 x 80mm Movement range Optional

It is an automated desktop type dispensing robot which offers long-term operational reliability and consistent repeatability for precise adhesive, sealant and solder paste applications.

## Applicable industries:

Fluid dispensing, for examples: UV adhesive, AB adhesive, EPOXY (black adhesive), white adhesive, SILICON, epoxy resin, instant glue, tin cream, thermal grease solder paste, celluloid paint, threadlocker and other kinds of fluid dispensing.

Suitable targets: computer case, CD-ROM player, printer, ink clip, PC board, DVD, digital camera, switch, connector, relay, radiator, semiconductor and other electronics industries. Clock, toys, medical equipment and other products that need fluid dispensing.

## Features:

1. Functions of continuous input program with drawing points, lines, polygons, arcs, circles and irregular curves. 2. The amount, size and thickness of plastic, gluing speed, dispensing time and stop time can be set by parameter with a stable glue quantity without missed glue. 3. Adopting stepper motor as X,Y,Z -axis movement power source. 4. According to customer products, multiple dispensing needles are available and it can be connected with a variety of glue gun and glue storage barrel. 5. One product can be dispensed with a variety of plastic once for all. 6. Glue guns, tray and automatic heating system (optional) 7. According to your needs of dispensing process, design the most suitable models.

## Specifications

Model	GR300S
Dispensing Movements	X: 300 mm Y: 300 mm Z: 80 mm
Maximum Speed	500mm/sec
Mechanical Precision	±0.03mm
Repeated Accuracy	±0.03mm
Operating System	Teching pendant + control card
Drive System	micro-stepping motor
File Capacity	2G memory ≤8000 programs
Power Supply	AC220V 50-60Hz 0.75KW
Dry compressed air required	> 0.6 Mpa
Machine Size	550×640×660mm
Weight	approximately 50Kg
Software	Gluego dispensing software

Note: The movement range can be customized as per requirement



# GlueGo Desktop Dispensing System GR300S2Y

Lower production cost • provides dispensing consistency • raises productivity



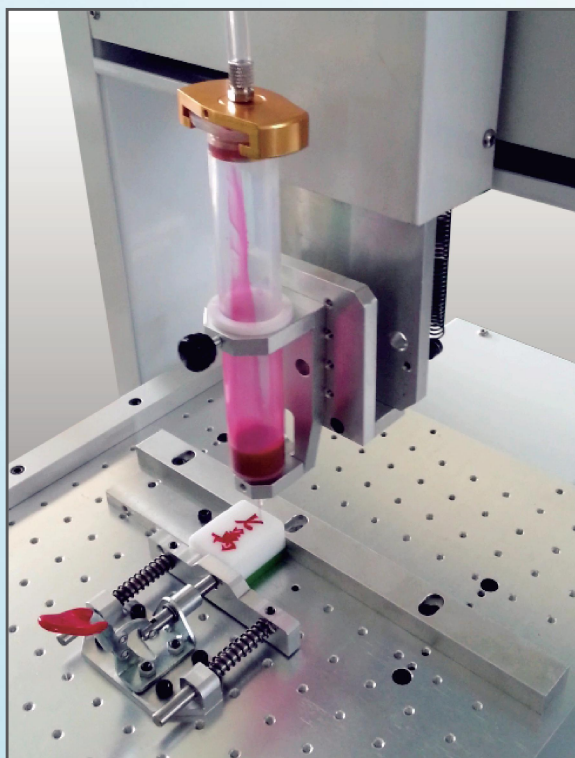
Hand-hold  
Teaching pendant



Built-in a fully-integrated dispensing  
controller with suck-back function

- ▲ 300 x 300 x 80mm Movement range
- ▲ 400 x 400 x 80mm Movement range Optional

The GR300S2Y is an automated desktop type dispensing Robot with double-station, 2 independent control working stations apply to more dispensing projects, dispensing and replacing product can be executed simultaneously by 2 work stations dispensing robot, dispensing head never stop, it greatly improve production efficiency.



## Specifications

Model	GR300S2Y
Dispensing Movements	X: 300 mm Y: 300 mm     x 2 Stations Z: 80 mm
Maximum Speed	500mm/sec
Mechanical Precision	±0.03mm
Repeated Accuracy	±0.03mm
Operating System	Teaching pendant + control card
Drive System	micro-stepping motor
File Capacity	2G memory ≤8000 programs
Power Supply	AC220V 50-60Hz 0.75KW
Dry compressed air required	> 0.6 Mpa
Machine Size	850×640×660mm
Weight	approximately 80Kg
Software	Gluego dispensing software

Note: The movement range can be customized as per requirement



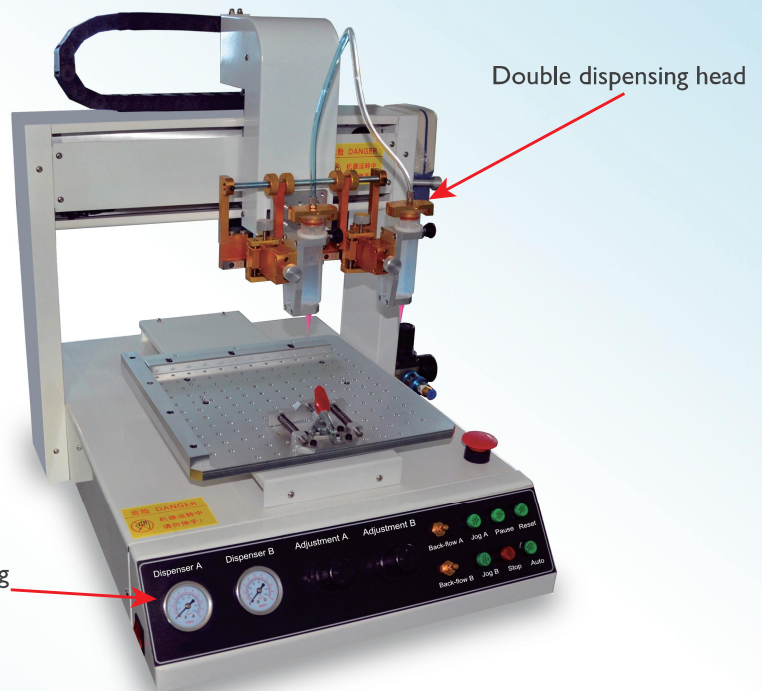


# GlueGo Desktop Dispensing System GR300D

Lower production cost • provides dispensing consistency • raises productivity

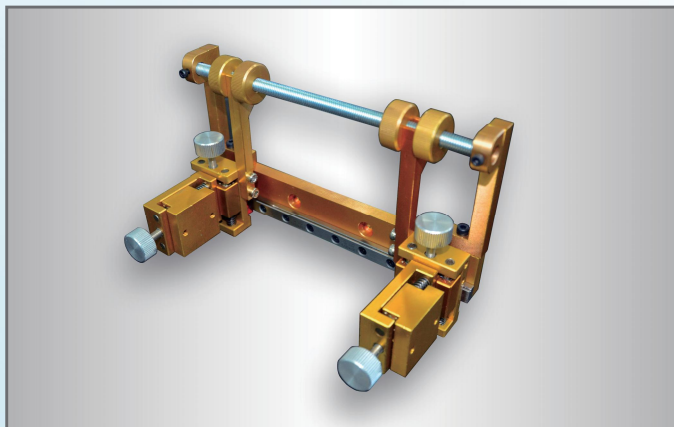


Hand-hold  
Teaching pendant



Built-in a fully-integrated dispensing controller with suck-back function

- ▲ 300 x 300 x 80mm Movement range
- ▲ 400 x 400 x 80mm Movement range Optional



Double-head dispensing system

- Ideal for more applications
- Higher productivity
- Microadjuster ensure accuracy

The GR300D is an automated desktop type dispensing Robot with double-head, It can process 2 products in the same-time, and special design double-dispensing device with microadjuster can ensure the process accuracy, especially suitable for medium volume.

## Specifications

Model	GR300D
Dispensing Movements	X: 300 mm Y: 300 mm Z: 80 mm
Maximum Speed	500mm/sec
Mechanical Precision	±0.03mm
Repeated Accuracy	±0.03mm
Operating System	Teaching pendant + control card
Drive System	micro-stepping motor
File Capacity	2G memory ≤8000 programs
Power Supply	AC220V 50-60Hz 0.75KW
Dry compressed air required	> 0.6 Mpa
Machine Size	550 × 640 × 660mm
Weight	approximately 55Kg
Software	Gluego dispensing software

Note: The movement range can be customized as per requirement

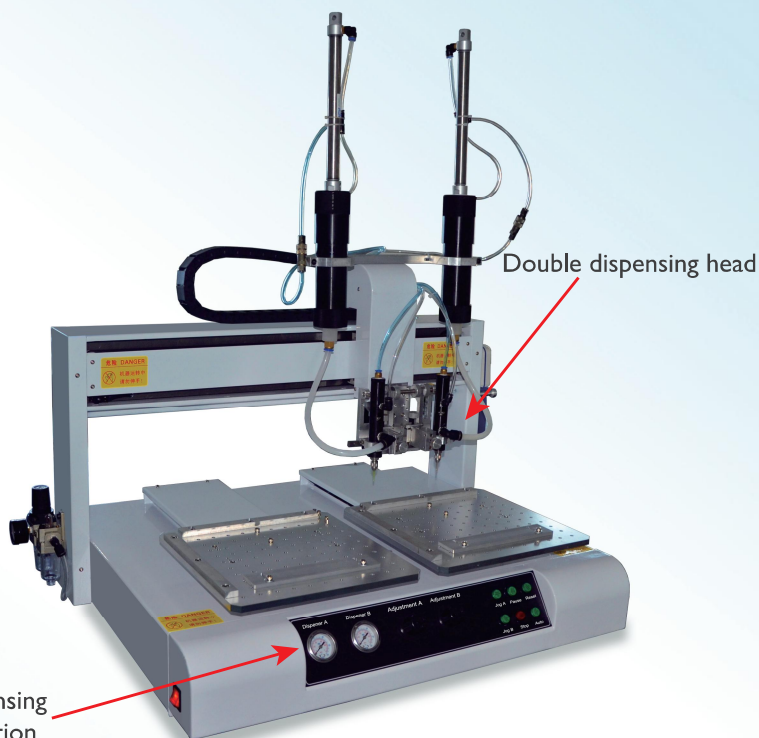


# GlueGo Desktop Dispensing System GR300D2Y

Lower production cost • provides dispensing consistency • raises productivity



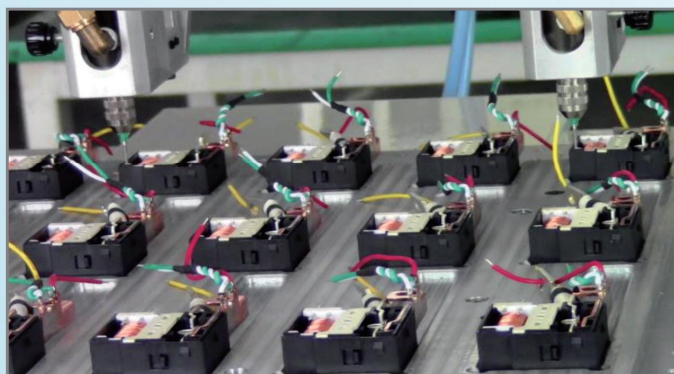
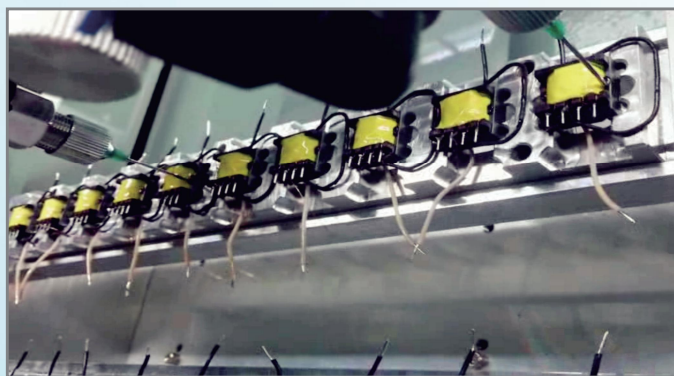
Hand-hold  
Teaching pendant



▲ 300 x 300 x 80mm Movement range

▲ 400 x 400 x 80mm Movement range Optional

The GR300D2Y is an automated desktop type dispensing Robot with double-station and double-head, This robot can meet most demanding applications, especially suitable for high-volume productivity.



## Specifications

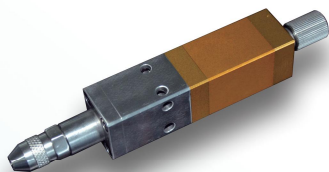
Model	GR300D2Y
Dispensing Movements	X: 300 mm Y: 300 mm      x 2 Stations Z: 80 mm
Maximum Speed	500mm/sec
Mechanical Precision	±0.03mm
Repeated Accuracy	±0.03mm
Operating System	Teaching pendant + control card
Drive System	micro-stepping motor
File Capacity	2G memory ≤8000 programs
Power Supply	AC220V 50-60Hz 0.75KW
Dry compressed air required	> 0.6 Mpa
Machine Size	850×640×660mm
Weight	approximately 80Kg
Software	Gluego dispensing software

Note: The movement range can be customized as per requirement



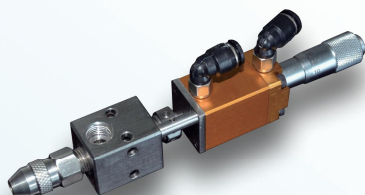
# Accessories

Lower production cost • provides dispensing consistency • raises productivity



## GR-200J Hit the needle dispensing valve

GR-200J hit the needle dispensing valve is suitable for low viscosity fluids precision dispensing, such as UV glue, silicone oil, and high repeatability dispensing consistency. Because stainless steel needle is in the closed position to convert the first plastic needle valve, avoiding the dispensing interval, the residue appeared in dispensing valve.



## GR-400J High-precision Micro-Volume Valve

GR-400J High-Precision Micro-Volume Valve is designed for use with dispensing controllers to dispense ultra-small volumes of low- to medium-viscosity materials. Micrometer fine-tuning allows minimum discharge rates as low as 0.001 ml. Ultra-precise construction ensures maximum consistency and excellent synchronization with dispensing controllers.



## GR-600J Suck-Back Valve

The GR-600J Suck-Back Valve is designed to prevent extra protection against post-dispense dripping when dispensing low- to medium viscosity liquids.



## GR-800J Mixing Valve

The GR-800J Mixing Valve is ideal for two-component materials with 1:1 to 1:3 mixing ratios. Easy stroke adjustment and high-speed check-valving ensure consistent, repeatable mixing. Ultra-precise construction ensures excellent synchronization with dispensing controllers.

*If you have any requirements or questions pls feel free to contact us to get a cost-effective solution*

For our sales and service,pls contact below informations:



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