

DOUBLE STATION BENCHTOP DISPENSING MACHINE GR-300S2Y



Description:

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.

- X/Y1/Y2/Z 4 axis step motor control
- Hand-held teach pendant for programming
- Max 300*300mm PCB width capable * 2pcs
- Built in dispensing controller with independant air regulator
- Virous dispensing valve meet different requirement
- Customized glue feeding system is optional
- Double dispensing head is optional

Features:

- 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.
- High quality step motor with high precision linear guide rail and it's driving system , ensure stable and precise run of motion system
- Machine can fit various quality dispensing valve which can meet different requirement
- Built in dispensing controller with independant air regulator
- Customized glue feeding system like cartridge with cylinder pusher ,pressure tank , syringe with heating device is optional to meet different dispensing requirement.
- Handheld teaching pendant with powerful software ,all english interface, easy to operate
- Powerful software has the painting point, straight line, multi line segment, three-dimensional

arc (spatial arc), round, rectangular, runway, coating, automatic corner rounding, irregular 3D spline curve and other graphical elements; rich handmade teaching function and graphical preview function.

- Powerful software has route copy and array copy function, park location setting function, coordinate offset correction function, different dispensing height and lifting height setting function, pause and continue running function etc

Specifications

Items	Model	GR300S	GR300D	GR300S2Y	GR300D2Y
Stroke (mm)	NumberofAxis	3	3	4	4
		Singlehead X,Y,Z	Doublehead X,Y,Z	Singlehead X,Y1,Y2,Z	Doublehead 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)	Zaixs	2.5-250	2.5-250	2.5-250	2.5-250
	XYaixs	±0.05mm	±0.05mm	±0.05mm	±0.05mm
Repeatability (mm)	Z-aixs	±0.05mm	±0.05mm	±0.05mm	±0.05mm
Dimensions (mm)	WxDxH	550x640x660	550x640x660	850x650x660	850x650x660
Weight	NetWeight	50kg	55kg	80kg	85kg
Power source	Voltage/Freq	AC220V,singlephase,50/60Hz			
	Capacity	750W			
Motor	Type	Step motor			
	Operation	MicroStep			
Programming	Techingmethod	Hand-held teach pendant, ManualData input			
	Motioncontrol	PTP,CP (3dimensionalstraightline/circulararcinterpolation)			
	Programcapacity	2G memory ,100 programs or instruction ≤8000			
MaximumLoad		X-YAxes:15Kg (33lbs.) Z Axis:6Kg (13lbs.)			
WorkingTemperature		0 - 40°C (32-104°F)			
AirInput		5 Kg/cm ² (approx.70psi)			



Built-in a fully-integrated dispensing controller with independent air regulator and suck back function.

Hand-held teach pendant with powerful software is easy for programming.



Virous valves with glue feeding system meet different fluid dispensing requirement , for examples: UV adhesive, EPOXY (black adhesive), white adhesive, SILICON, epoxy resin, grease , conformal coating fluid,and other kinds of fluid dispensing.

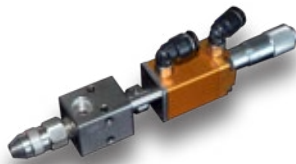
Application : 310ml cartridge with GR-H25 valve for, grease and thermal conductive silikon dispensing.



Dispensing valve

Micrometer high precision valve GR-D2121

Plunger structure ,flow rate can be ajusted precisely by micrometer, small size and corrosion -resistant, it is suitable for UV glue, paint, oil etc. low viscosity, and good fluidity glue.



Model	GR-D2121
Air pressure	0.4-0.7Mpa
Min Dispensing volume	0.01ml
Applicable viscosity	1-3000 cps
Operating frequency	<400 points/min
Glue inlet dimension	1/8"

Adjustable precision valve GR-H2222



Plunger structure ,small flow rate valve, flow rate can be adjusted ,small size and corrosion -resistant,it is suitable for medium - high viscosity ,and poor fluidity glue ,such as silicon glue ,epoxy glue, grease,red glue, ,etc.

Model	GR-H2222
Air pressure	0.4-0.7Mpa
Min Dispensing volume	0.02ml
Max viscosity	1-100,000 cps
Operating frequency	<400 points/min
Glue inlet dimension	1/8"

Suck back valve GR-H25



The GR-H25 Suck-Back Valve is designed to prevent extra protection against postdispense dripping when dispensing medium to high viscosity liquids such as silicon ,grease, etc.

Model	GR-H25
Air pressure	0.4-0.7Mpa
Min Dispensing volume	0.01ml
Max viscosity	1-100,000 cps
Operating frequency	<400 points/min

Dispensing valve

Coating thickness can be adjusted by changing air pressure and moving speed.

Coating width can be adjusted by changing air pressure.

V-1000 coating valve is applied to areas where:
1.most of coating.

Spraying swath: 6-8mm Valve stroke: 0.01mm-5mm
edge definition: 1mm Air pressure: 0.2-0.4Mpa
Applied to max viscosity of
the glue : 1000cps

Model	V-1000
Spraying Swath	6-8mm
Air Pressure	0.2-0.4Mpa
Max viscosity	1000 cps
Edge Definition	1mm



Standard Configuration

- X/Y/Z/ 3 Axis dispensing Machine.
- Handheld teaching pendant.

Option

- Double dispensing head
- GR-H2222 precision dispensing valve
- GR-D2121 precision dispensing valve
- GR-H25 suck back valve
- V-1000 selective coating valve
- 310ml silicon cartridge with cylinder pusher
- 2L SUS pressure tank
- 5L SUS pressure tank
- Safety cover
- Fume extractor QBDX-1001
- Syringe heating device