

Servo and Stepper Drive Dispensing Robots



300 Series Bench Top XYZ Dispensing Robot
11.8" x 11.8" x 3.9" High Work Area



Teach
Pendant
Included



400 Series Bench Top XYZ Dispensing Robot
15.7" x 15.7" x 3.9" High Work Area

- ▶ Servo drive motors for precision bead profiles and optimum performance or...
- ▶ Stepper drive motors for potting and basic dispensing applications
- ▶ Includes dispensing software
- ▶ Continuous bead path motion for very precise XYZ (3D) dispensing
- ▶ Includes Teach Pendant and Input for PC (IBM) robot programming
- ▶ Work areas up to 15.7" x 15.7"
- ▶ Dispense 1- and 2-part adhesives, gasketing and potting compounds, sealants and lubricant materials
- ▶ Create and Store up to 100 programs
- ▶ Supports field networks: Device Net, Ethernet, ProfiBus and CC-Link
- ▶ High strength rigid structure uses extruded aluminum frames for high payload and high speed applications

Also Available from Sealant Equipment:

- ▶ Engineered Tooling and Dress Out
- ▶ Integration with Dispensing System
- ▶ Dispense Programming of Parts
- ▶ Operator Training, Start-up Assistance

Bench Top XYZ Dispensing Robots



Four (4) Basic Models Available:

Specifications:	SERV-300-300-100	SERV-400-400-100	STEP-300-300-100	STEP-400-400-100
Drive Motor:	AC Servo Motor / 3-Phase PWM Drive		Stepper Motor / 5Phase	
Drive Type:	Ball Screw		Belt Drive	
Interpolation Linear/Circular:	3 Axis (X, Y, Z)		3 Axis (X, Y, Z)	
Robot Dispensing Working Area:	11.8" x 11.8" x 3.9" 300 x 300 x 100 mm	15.7" x 15.7" x 3.9" 400 x 400 x 100 mm	11.8" x 11.8" x 3.9" 300 x 300 x 100 mm	15.7" x 15.7" x 3.9" 400 x 400 x 100 mm
PayLoad Worktable / Tool*:	33 lb / 15 lb; 15 kg / 7 kg*		22 lb / 13 lb; 10 kg / 6 kg*	
Speed XY / Z (mm/sec):	XY-500 / Z-250 mm/sec		XY-500 / Z-250 mm/sec	
Repeatability (X,Y,Z):	+/- 0.01mm / Axis		+/- 0.01mm / Axis	
Data Memory:	100 programs 1000 points/program		100 programs 1000 points/program	
Data Storage*:	128 kb *		128 kb *	
Display:	Teach Pendant LCD		Teach Pendant LCD	
Drive System:	3-Phase PWM AC Servo motor		5-Phase Stepper motor	
Motion Control:	PTP & CP (3D straight line/circular arc interpolation)		PTP & CP (3D straight line/circular arc interpolation)	
Teaching Method:	Teach Pendant, PC(IBM)		Teach Pendant, PC(IBM)	
I/O Signals*:	8 Inputs / 16 Outputs *		8 Inputs / 16 Outputs *	
External Interface:	RS232C , RS422/RS232C		RS232C, RS422/RS232C	
PLC Scanning Time (ms)	5		5	
Power Supply:	110/230V, 800 (VA) Maximum		110/230V, 500 (VA) Maximum	
Working Temperature:	0°C - 45°C		0°C - 45°C	
Relative Humidity:	20% - 80%		20% - 80%	
Dimensions (WxDxH) in/mm:	24.8" x 26.7" x 32.0" 630 x 678 x 813 mm	28.7" x 30.6" x 32.0" 730 x 778 x 813 mm	24.8" x 26.7" x 32.0" 630 x 678 x 813 mm	28.7" x 30.6" x 32.0" 730 x 778 x 813 mm
Weight:	147 lbs (67 kg)	165 lbs (75 kg)	136 lbs (62 kg)	154 lbs (70 kg)
* Available Upgrades:	Heavy Duty Z-Axis: 22 lb / 10 kg Payload 24-Inputs, 32-Outputs Add 512 kb Memory		Payload Upgrade Not Available 24-Inputs, 32-Outputs Add 512 kb Memory	



Applying a 1-Part Gasketing Material



2-Part Mix Dispense Valve



Teach Pendant Included



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