



Bench-Top Dispensing Robot

Techcon bench-top dispensing robots are easy to program, simple to operate, and compatible with all valve types and controllers. These versatile dispensing platforms deliver consistent, high performance dispensing results, at an affordable price

Designed and configured specifically for fluid dispensing applications, Techcon robots provide total control over fluid placement, from beads, arcs, and circles to repeated timed dots. Programming is simple via teach pendant.

From a general assembly manufacturer looking to automate an existing dispensing application, to an engineer designing a production process from scratch, Techcon dispensing robots offer unsurpassed value in automated precision fluid dispensing.

The bench-top dispensing robot series are available in 3 platforms:

TSR2202(E): 200 mm X 200 mm working area

TSR2302(E): 300 mm X 300 mm working area

TSR2402(E): 400 mm X 400 mm working area

Key Features & Benefits

- Easy to program and simple to operate
- Programmable interface via teach pendant (TSR-TPENDANT-2)
- Fast - increase productivity
- Compatible with all Techcon syringes, valves, and jet dispensing systems
- Suitable for a wide range of fluid dispensing applications
- Rugged and reliable construction

Typical Applications

- Solder paste dispensing
- Form-in-place gasketing
- Filling
- Potting
- Encapsulation
- Bonding
- Coating

Features		TSR2202(E)	TSR2302(E)	TSR2402(E)
Input Voltage		110 VAC 50/60 HZ		
Input Voltage (E version)		220 V AC 50/60 HZ		
Power Consumption		150 W	200 W	200 W
Motor		2-phase stepper		
Drive Mechanism		Belt		
Number of Controllable Axes		3-Axis		
Moving Range	X axis	200 mm	300 mm	400 mm
	Y axis	200 mm	300 mm	400 mm
	Z axis	50 mm	100 mm	100 mm
Speed Range	X/Y axis	0.1~600 mm/sec	0.1~800 mm/sec	0.1~800 mm/sec
	Z axis	0.1~300 mm/sec	0.1~300 mm/sec	0.1~300 mm/sec
Repeatability Accuracy	X/Y/Z axis	+/-0.01 mm		
Resolution	X/Y/Z axis	0.01 mm		
Loading Weight	Tool	5 kg	8 kg	8 kg
	Head	2 kg	5 kg	5 kg
Storage for Processing Files		Max 255 files, Max 60000 points		
Processing Files		Max 128 files		
Working Ambient	Temperature	0~40 °C		
	Relative Humidity	20%~90% (no condensation)		
Dimensions (H x W x D)		467 x 320 x 336 mm	653 x 484 x 552 mm	628 x 584 x 650 mm
Unit Weight		23 kg	43 kg	48 kg

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