



Product Data Sheet

Bench-Top Dispensing Robot

Techcon Systems 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 Systems 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 Systems dispensing robots offers unsurpassed value in automated precision fluid dispensing.

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

TSR2201: 200mm x 200mm x 100mm working area
TSR2301: 300mm x 300mm x 100mm working area
TSR2401: 400mm x 400mm x 100mm working area

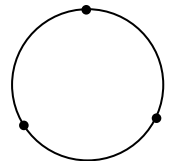
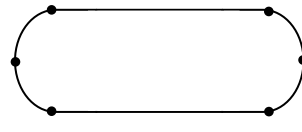
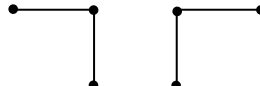
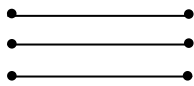
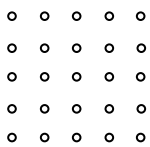
KEY FEATURES AND BENEFITS

- Easy to program and simple to operate
- Programmable interface via teach pendant
- Fast, increase productivity
- Compatible with all Techcon Systems syringes, valves and Jet dispensing systems.
- Suitable for wide range of fluid dispensing applications
- Rugged and reliable construction
- Small footprint
- Available in 3 platforms, from 200mm to 400mm

TYPICAL APPLICATIONS

- Dispense dots of solder paste
- Form-in-place gasket
- Filling
- Potting
- Encapsulation
- Bonding
- Coating

Features		TSR2201	TSR2301	TSR2401
Power Supply		100V ~ 240V AC		
Power Consumption		80W		
Number of Controllable Axes		3 axis		
Moving Range	X axis	200mm	300mm	400mm
	Y axis	200mm	300mm	400mm
	Z axis	100mm	100mm	100mm
Speed Range	X/Y axis	0.1~600 mm/sec		
	Z axis	0.1~200 mm/sec		
Repeatability Accuracy	X/Y/Z axis	0.02mm		
Resolution	X/Y/Z axis	0.01mm		
Loading Weight	Head	4 Kg	4 Kg	4 Kg
	Base	5 Kg	7 Kg	7 Kg
Storage for Teaching Files		Max. 999 files & Max. 60000 bytes.		
Storage for Processing Files		Max. 255 files.		
Working Ambient	Temperature	0~40°C		
	Relative Humidity	20%~90% (no condensation)		
Dimension (W×D×H)		30.3×37.7×52.1cm	41.8×51.3×52.1cm	51.8×61.3×52.1cm



ACCESSORIES

- **Interface cables:** Cables available for connecting simple time/pressure controllers or advanced Jet valve controllers, to the robot.
- **Operator protective cover:** Prevents operator from engaging with robot, whilst in operation.

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