



TSR2305 Bench-Top Dispensing Robot

The TSR2305 Dispensing Robot includes the fourth axis to allow for dispensing at any angle along the 360° rotation plane

TSR series 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, TSR robots provide total control over fluid placement, from beads, arcs, and circles to repeated timed dots. The additional 4th rotational axis allows for dispensing at any angle along the 360° rotational plane, making it possible to access hard to reach places. 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, TSR dispensing robots offer unsurpassed value in automated precision fluid dispensing.

FEATURES

- Easy to program and simple to operate
- Programmable interface via teach pendant
- Allows 360° rotation for ID and OD dispensing applications
- Simultaneous X and Y movement during the rotation for accurate programming
- Fast - increase productivity
- Compatible with all syringe barrels and valves
- Suitable for a wide range of fluid dispensing applications
- Rugged and reliable construction

TYPICAL APPLICATIONS:

- Dots of solder paste
- Form-in-place gaskets
- Filling
- Potting
- Encapsulation
- Bonding
- Coating

TECHNICAL SPECIFICATIONS

SPECIFICATIONS		TSR2305	TSR2305E
Power Supply		AC 110 V	AC 220 V
Power Consumption		300 W	
Number of Controllable Axis		4	
Moving Range	X axis	300 mm	
	Y axis	300 mm	
	Z axis	100 mm	
	R axis	±180°	
Speed Range	X/Y axis	0.1~800 mm/sec	
	Z axis	0.1~300 mm/sec	
	R axis	0.1~800 degrees/sec	
Repeatability Accuracy	X/Y/Z axis	±0.01 mm	
	R axis	±0.02°	
Resolution	X/Y/Z axis	0.01 mm	
	R axis	0.01°	
Payload	Y-axis	8 kg	
	Head Z&R	3 kg	
Storage for Teaching Files		Max. 255 files & Max. 60000 bytes.	
Storage for Processing Files		Max. 128 files.	
Working Ambient	Temperature	0~40 °C	
	Relative Humidity	20%~90% (no condensation)	
Dimensions (H x W x D)		470 x 520 x 700 mm	

ACCESSORIES

TSR2302-SC Light Beam Safety cover for TSR2302 and TSR2305 Dispensing Robots



**For Sales
and Support:**

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Visit our website for more information on products and accessories for robot dispensers, components, and bench top dispensers. Order securely on our web shop or contact us to setup an account.

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