

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 offer unsurpassed value in automated precision fluid dispensing.

Typical Applications:

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

Accessories:

Light Beam safety cover for each model is available:

- TSR2200-SC = Safety cover for TSR2201
- TSR2300-SC = Safety cover for TSR2301
- TSR2400-SC = Safety cover for TSR2401

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

- TSR2201: 7.78" x 7.87" working area
- TSR2301: 11.81" x 11.84" working area
- TSR2401: 15.78" x 15.75" working area

Key Features:

- Easy to program and simple to operate
- Programmable interface via Teach Pendant
- Increases productivity
- Compatible with all Techcon Systems syringe valves and Jet dispensing systems.
- Suitable for wide range of fluid dispensing applications
- Rugged and reliable construction
- Small footprint
- Available in 3 platforms.



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Specifications:

| | | TSR2201 | TSR2301 | TSR2401 |
|-------------------------------|-------------------|-----------------------------|----------------------|----------------------|
| Power Supply | | 100V ~ 240V AC | | |
| Power Consumption | | 80W | | |
| | | 3 axis | | |
| Moving Range | X axis | 7.87" | 11.81" | 15.75" |
| | Y axis | 7.87" | 11.81" | 15.75" |
| | Z axis | 3.94" | 3.94" | 3.94" |
| Speed Range | X/Y axis | 0.003" - 7.87" /sec | | |
| | Z axis | 0.003" - 7.87" /sec | | |
| Repeatability Accuracy | X/Y/Z axis | 0.00078" | | |
| Resolution | X/Y/Z axis | 0.00039" | | |
| Loading Weight | Base | 11.023 lbs | 15.432 lbs | 15.432 lbs |
| | Head | 8.818 lbs | 8.818 lbs | 8.818 lbs |
| Working Ambient | Temperature | 32° - 104°F (0° - 40°C) | | |
| | Relative Humidity | 20% - 90% (no condensation) | | |
| Dimension (WxDxH) | | 11.92"x14.84"x20.51" | 16.45"x20.19"x20.51" | 20.39"x24.13"x20.51" |