

# J2300 Series Benchtop Dispensing Robot

Activators

Anaerobics

Cyanoacrylates

Silicones

Solvents

Primers

UV-cure



Even complex program patterns can be developed quickly using the simple point to point teach pendant. Dispense adhesive direct from syringes or optional metering valves and pressure pots. With fast indexing speeds, high accuracy and simple programming; robots are an ideal solution for most dispensing applications in a 300mm x 320mm work area. 3 or 4 axis versions available. Recommended optional light guard safety cages also available.

The JR2300 series robots are designed to apply rapid dots, beads, arcs, circle and potting deposits to products placed on the base plate. The overhead gantry indexes into position to make the required deposit without mess, waste or guesswork.

The robots are programmed via the LCD electronic teach pendant, or using optional windows based software on a PC. The robust robots will dispense most assembly fluids including epoxies, PU's, glues, CA's, silicones, greases, adhesives, inks, gels, primers and activators.

Each robot is supplied with a teach pendant, CE start/ stop box, digital controller or solenoid valve, syringe barrel mount bracket, component kit. Easy to mount valves or sealant cartridge retainers.



## Features

- Dispense liquids and pastes in dots, lines, or arcs
- Repeatability of +/- 0.01 mm
- Powerful on-board 32 bit processor
- Safe operation via area sensor and interlock capability
- Easy to program via teach pendant or optional software
- Continuous path motion for perfect dispensing
- Storage of up to 255 programs or 30,000 points
- 300mm x 320mm x 100mm work area
- CE certified and 1 Year warranty



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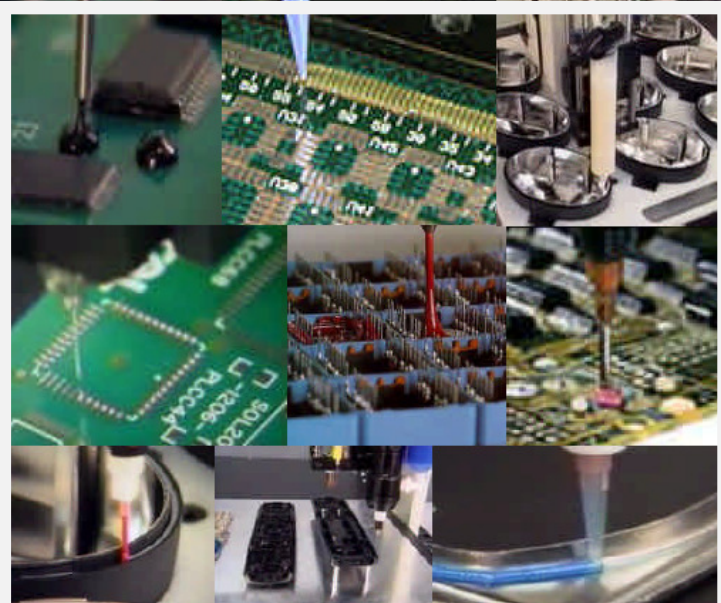


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| Model number                  |                          | JR2303N                                 | JR2304N                             |
|-------------------------------|--------------------------|---|-------------------------------------|
| Axis-type <sup>※1</sup>       |                          | 3                                       | 4                                   |
| Range of operation            | X,Y axis                 | 300mm×320mm                             |                                     |
|                               | Z axis                   | 100mm                                   |                                     |
|                               | R axis                   |   | ±360°                               |
| Portable weight <sup>※2</sup> | Work                     | 11kg                                    |                                     |
|                               | Tool                     | 6kg                                     |                                     |
| Speed                         | PTP (X,Y)                | 800mm/sec (8~800mm/sec) <sup>※4</sup>   |                                     |
|                               | PTP (Z)                  | 320mm/sec (3.2~320mm/sec) <sup>※4</sup> |                                     |
|                               | PTP (R)                  |   | 800°/sec (8~800°/sec) <sup>※4</sup> |
|                               | CP (X,Y,Z) <sup>※3</sup> | 800mm/sec (0.1~800mm/sec) <sup>※4</sup> |                                     |
| Acceptable Moment of Inertia  |                          |   | 90Kg·cm <sup>2</sup>                |
| Repeatability accuracy        | X,Y axis                 | ±0.01mm                                 |                                     |
|                               | Z axis                   | ±0.01mm                                 |                                     |
|                               | R axis                   |   | ±0.02°                              |
| Dimensions                    | Width×Depth×Height       | 560mm×530mm×650mm                       |                                     |
| Weight                        |                          | 35kg                                    |                                     |



|                             |   |
|-----------------------------|---|
| Power source                | AC90~132V/AC180~250V (single phase)   |
| Consumption current         | 200VA   |
| Working ambient temperature | 0~40°C  |
| Relative humidity           | 20~95% (no condensation)  |
| Teaching Method             | Remote Teaching (JOG), Manual Data Input (MID)  |
| Teaching System             | JR C-Points: Simple or broad-use teaching systems<br>· Simple: Easy teaching just by registering position and parameter<br>· Broad-use: User-oriented programming such as I/O control, teaching by point job. |
| Teaching Pattern            | · Programming by teaching pendant (Optional)<br>· Off line teaching using a PC (Optional)   |
| Program capacity            | 255programs   |
| Data memory capacity        | Maximum 30,000 points <sup>※5</sup>   |
| Drive method                | 5-phase stepping motor  |
| Control method              | PTP and CP  |
| Interpolate Function        | 3dimension line and Arc interpolation   |
| External interface          | RS232C 1ch (For PC), 2ch (For External Device-optional) / RS422 1ch (For Teaching Pendant only)   |
| External input/output       | IN : 16, OUT : 16 (IN : 24, OUT : 24 Optional)  |
| PLC function                | 100programs, 1000steps / 1program   |