

# J2400 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 400mm x 400mm work area. 3 or 4 axis versions available. Recommended optional light guard safety cages also available.

The JR2400 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 6000 points
- 400mm x 400mm x 150mm work area
- CE certified and 1 Year warranty



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Solutions customers stick with...

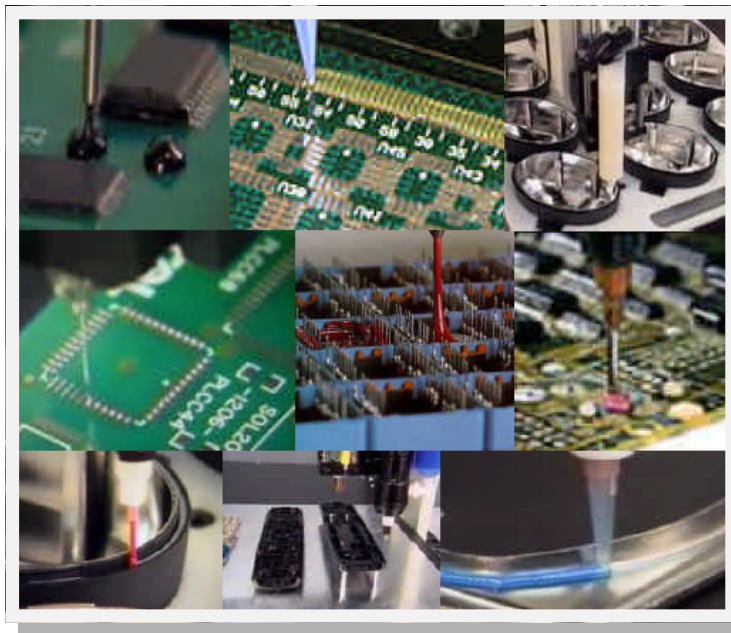


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Model number		JR2403N	JR2404N
Axis-type <sup>※1</sup>		3	4
Range of operation	X,Y axis	400mm×400mm	
	Z axis	150mm	
	R axis		±360°
Portable weight <sup>※2</sup>	Work	11kg	
	Tool	6kg	
Speed	PTP (X,Y)	800mm/sec (8~800mm/sec) <sup>※4</sup>	
	PTP (Z)	320mm/sec (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	590mm×630mm×800mm	
Weight		42kg	



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 <ul style="list-style-type: none"> <li>· Simple: Easy teaching just by registering position and parameter</li> <li>· Broad-use: User-oriented programming such as I/O control, teaching by point job.</li> </ul>
Teaching Pattern	<ul style="list-style-type: none"> <li>· Programming by teaching pendant (Optional)</li> <li>· Off line teaching using a PC (Optional)</li> </ul>
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