Bench Top Robot Series

The JR2000N Bench top Robot provides a solid platform to implement multiple application solutions for manufacturing.

The Facts:

- Highly rigid structure
- Labyrinth seal mechanism
- Smooth movement
- Flexible interface
- Clear wide screen
- Simple teaching
- Enhanced memory capacity
- Simple sequencer

Application Examples:

- Dispensing
- Screw Fastening
- Soldering
- Vision Inspection
- Board Cutting
- Routing Robot
- Router Spindle

Accessories

- JANOME JR-C Points/PC Software
- Additional I/O Ports
- Additional COM Ports
- Teaching Pendant

For further information click here

JR2200N

JR2300N

JR2400N/JR2500N

Teaching Pendant

Key Features:
- Compact size table top robot
- Application specific software
- Easy to use teaching pendant with large 13-line screen
- Optional PC software package
- Memory Capacity of up to 255 programs and/or 30,000 points
- Ample interface for even most complicated assembly operations
- Capable of simultaneous control of up to four axes
- CE certified
- Supplied with remote operation start & stop box and a safety interlock connector
- Complimentary process evaluation by experienced & fully trained staff

Enquire Now

The JR2000N Benchtop Robot provides a solid platform to implement multiple application solutions for manufacturing. Plasma Treatment, Adhesive Dispensing, Screw Fastening, Soldering, Pick & Place, PCB Routing and Plasma Cleaning are just some of the solutions available.

Dialog based operating software makes programming straightforward, eliminating complicated programming language. The benchtop robot easily performs 3-dimensional linear and arc interpolations with positional repeatability of ± 0.01mm. The JR2000N series increases productivity by allowing one employee to operate several systems at once.

Dispensing

Screw-Tightening

Soldering

PCB Routing

For a quotation call our Sales Team now on: +44(0)1543 411460

Technical Specification:

Model Number		JR-2200 Series	JR-2300 Series	JR-2400 Series	JR-2500 Series
Range of Operation	X axis	*200mm	300mm	400mm	510mm
	Y axis	*200mm	320mm	400mm	510mm
	Z axis	50mm	100mm	150mm	150mm
Speed	PTP(X,Y)	5~500mm/sec	8~800mm/sec	8~800mm/sec	8~800mm/sec
	PTP(Z)	2.5~250mm/sec	3.2~320mm/sec	3.2~320mm/sec	3.2~320mm/sec
	PTP(R)	6~600	8~800	8~800	8~800
	CP(X,Y,Z)	0.1~500mm/sec	0.1~800mm/sec	0.1~800mm/sec	0.1~800mm/sec
Repeatability accuracy	X,Y axis	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Z axis	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	R axis	±0.02º	±0.02º	±0.02º	±0.02º
Portable weight	Work	7kg	11kg	11kg	11kg
	Tool	3.5 (6.58 2axes) kg	6 (11 2axes)kg	6 (11 2axes)kg	6 (11 2axes)kg
Teaching method		Remote teaching MDI	Remote teaching MDI	Remote teaching MDI	Remote teaching MDI
Drive method		5-phase stepping motor	5-phase stepping motor	5-phase stepping motor	5-phase stepping motor
Control method		PTP and CP	PTP and CP	PTP and CP	PTP and CP
Number of controllable axes		2 axes	2 axes	2 axes	2 axes
		3 axes	3 axes	3 axes	3 axes
		4 axes (360º)	4 axes (360º)	4 axes (360º)	4 axes (360º)
External interface		RS232-C 1ch(1ch option)	RS232-C 1ch(1ch option)	RS232-C 1ch(1ch option)	RS232-C 1ch(1ch option)
External input/output		IN: 16, OUT: 16	IN:16, OUT:16 (24 I/O option)	IN:16, OUT:16 (24 I/O option)	IN:16, OUT:16 (24 I/O option)
PLC function		50 programs, 100 steps/1 program	50 programs, 100 steps/1 program	50 programs, 100 steps/1 program	50 programs, 100 steps/1 program
Program capacity		100 programs	100 programs	100 programs	100 programs
Data memory capacity		6,000 points or 100 points	6,000 points or 100 points	6,000 points or 100 points	6,000 points or 100 points
Program system		Memory card	Memory card	Memory card	Memory card
CPU		32bit	32bit	32bit	32bit
Dimensions	Width	320mm	560mm	584mm	584mm
	Depth	377mm	529mm	629mm	629mm
	Height	536(655 tall)mm	649(799 tall)mm	799(849 tall)mm	799(849 tall)mm
Weight		18kg	35kg	42kg	42kg
Power source		Dual voltage 100~200V	Dual voltage 100~200V	Dual voltage 100~200V	Dual voltage 100~200V
Consumption current		200VA	200VA	200VA	200VA
Working ambient temperature		0~40ºC	0~40ºC	0~40ºC	0~40ºC
Relative humidity		20~95% no condensation	20~95% no condensation	20~95% no condensation	20~95% no condensation

* Moving range
• CE certified robots are available as an option
• Specifications may change due to product upgrade without prior notice.