

■ Main Specifications for JR2000N Series

Model number		JR2203N	JR2204N	JR2303N	JR2304N	JR2403N	JR2404N	JR2503N	JR2504N
Axis-type*1		3	4	3	4	3	4	3	4
Range of operation	X,Y axis	200mm×200mm		300mm×320mm		400mm×400mm		510mm×510mm	
	Z axis	50mm		100mm		150mm		150mm	
	R axis	±360°		±360°		±360°		±360°	
Portable weight*2	Work	7kg		11kg		11kg		11kg	
	Tool	3.5kg		6kg		6kg		6kg	
Speed	PTP (X,Y)	500mm/sec (5~500mm/sec)*4		800mm/sec (8~800mm/sec)*4		800mm/sec (8~800mm/sec)*4		800mm/sec (8~800mm/sec)*4	
	PTP (Z)	250mm/sec (2.5~250mm/sec)*4		320mm/sec (3.2~320mm/sec)*4		320mm/sec (3.2~320mm/sec)*4		320mm/sec (3.2~320mm/sec)*4	
	PTP (R)	600°/sec (6~600°/sec)*4		800°/sec (8~800°/sec)*4		800°/sec (8~800°/sec)*4		800°/sec (8~800°/sec)*4	
	CP (X,Y,Z)*3	500mm/sec (0.1~500mm/sec)*4		800mm/sec (0.1~800mm/sec)*4		800mm/sec (0.1~800mm/sec)*4		800mm/sec (0.1~800mm/sec)*4	
Acceptable Moment of Inertia		65Kg·cm ²		90Kg·cm ²		90Kg·cm ²		90Kg·cm ²	
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	±0.02°		±0.02°		±0.02°		±0.02°	
Dimensions	Width×Depth×Height	320mm×380mm×540mm		560mm×530mm×650mm		590mm×630mm×800mm		680mm×730mm×800mm	
Weight		18kg		35kg		42kg		43kg	
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"> Simple: Easy teaching just by registering position and parameter Broad-use: User-oriented programming such as I/O control, teaching by point job. 							
Teaching Pattern		<ul style="list-style-type: none"> Programming by teaching pendant (Optional) Off line teaching using a PC (Optional) 							
Program capacity		255programs							
Data memory capacity		Maximum 30,000 points*5							
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							

*1 Also available with 2 axes.

*2 Maximum Portable Weight for 2 axes models is 6.5 kg for the Tool and 7 kg for the Workpiece for the JR2202N, 10 kg for the Tool and 11 kg for the Workpiece for the JR2302N, JR2402N and JR2502N.

*3 Restricted by drive condition.

*4 Speed Range

*5 Point data shares memory with additional point data, point job data and sequence data.

If this data is increased, the maximum data memory available is reduced.

☆ We can supply the robot for CE certified (optional)

● Specifications may change due to product upgrade without prior notice.

Desktop SCARA robot
JSR/JS series is also available.



2004.09 (S) 5000

JANOME

Janome Sewing Machine Co., Ltd.

Industrial Automation Systems Division
1463 Hazama-cho, Hachioji-shi, Tokyo 193-0941 JAPAN
Tel : +81 426 61 6301, Fax: +81 426 61 6302

Business Line : Desktop SCARA robot, Servo Press, etc.

U R L : <http://www.janome.co.jp/industrial.html>

E-mail : j-industry@gm.janome.co.jp

Distributor