

■ JP Series 4 Specifications

Model	JP-104 Series	JP-204 Series	JP-504 Series	JP-1004 Series	
Pressing Capacity	Maximum	1,000N (100Kg)	2,000N (200Kg)	5,000N (500Kg)	
	Allowable Range	100~1,000N	200~2,000N	500~5,000N	
	Increments	1N	1N	1N	
	Minimum Sensing Capacity*1	0.2 % of maximum pressure capacity			
Ram Stroke	Maximum	80mm	80mm	100mm	
	Allowable Range	0~80mm	0~80mm	0~100mm	
	Increments	0.001mm	0.001mm	0.001mm	
Ram Speed	Approaching	166mm/s	166mm/s	166mm/s	
	Pressing	0.01~35mm/s	0.01~35mm/s	0.01~35mm/s	
	Increments	0.01mm/s	0.01mm/s	0.01mm/s	
Holding Time	Maximum*2	999sec	999sec	999sec	
	Allowable Range	0~999sec	0~999sec	0~999sec	
	Increments	0.1sec	0.1sec	0.1sec	
Repeatability	±0.005mm				
Load Sensing Range	100~1,000N	200~2,000N	500~5,000N	1,000~10,000N	
Sensor Functions	Const.Speed/Set Stop Position	(1) Load, position, distance control at end pressing			
	Const.Speed/Set Stop Load	(2) Load control in sensing position or distance range			
	Const.Speed/Set Dist. Mode	(3) Load control (peak, top, bottom, valley, peak to peak, differential) in sensor position or distance range			
	Multiple-Section Pressing	The multiple-section pressing mode in combination with the above three modes			
	Const.Load/Set Timed Stop Const.Load/Set Position Stop Const.Load/Set Distance Stop	These items will be equipped with from Ver 5.5.			
Screen Display	Unit of Measure/Pressure	N ↔ Kg ↔ Lbf mm ↔ in			
	Display Language	English, Japanese, Spanish, Italian, French, German			
Main Program Providing System	Installed before shipment, To upgrade the program, download a new one from PC to the internal flash ROM using the COM1.				
External Interface*3, *4	RS-232C 1ch (9-pin male connector, PC can be connected to control the press using optional software.)				
External I/O Terminal Number	Inputs 17, Outputs 16 (Optional inputs 24, outputs 24 in total)				
Driving and Control Method	AC servomotor driven by 32-bit CPU				
Power Supply	Three-Phase	180~250 V			
	Single-Phase	180~250 V			
Power Capacity	300VA	300VA	850VA	850VA	
Maximum Jig Weight Hanging on the Ram Tip	10N	20N	50N	100N	
Ambient Temperature	0~40°C				
Relative Humidity	20~90% Non-condensing				
Flotage Dust	Nil				
Corrosive Gas	Nil				
Dimensions and Weight	Stand-Alone Type	W520xD567xH750mm	W520xD567xH750mm	W520xD580xH875mm	W520xD580xH875mm
	JP Series 4	100Kg	100Kg	160Kg	160Kg
	Head Type	W282xD472xH470mm	W282xD472xH470mm	W280xD505xH495mm	W280xD505xH495mm
	JPH Series 4	80Kg	80Kg	100Kg	100Kg
	Unit Type*5	W118xD415xH213mm	W118xD415xH213mm	W146xD250xH495mm	W146xD250xH495mm
	JPU Series 4	18Kg	18Kg	35Kg	35Kg
	Control Box	W398xD280xH198mm	W398xD280xH198mm	W398xD280xH198mm	W398xD280xH198mm
	JPB Series 4	13Kg	13Kg	13Kg	13Kg

*1 Load display accuracy is ±1 % and guaranteed within the above ranges, over 10 % of the maximum pressure capacity (Check the load value and calibration amount periodically.)

*2 The holding time becomes shorter as the maximum pressure increases due to motor capacity.

*3 The encoder output interface is available optionally. It is useful when position information is required to send to an external device in real time.

*4 The load cell output interface is available optionally. It is useful when load information is required to send to an external device in real time.

*5 You can choose an installation method of the unit type from side surface fixing (standard) or flange vertical fixing (optional).

*6 The I/O connector does not include cables.

Stand-Alone Type: Body (with the area sensor short connector and I/O connector *6), Operation manuals (supplied in CD-ROM)

Head Type: Body (with the area sensor short connector and I/O connector *6), Switch Box (with a 2m-cable), I/O Cable (3m), Operation manuals (supplied in CD-ROM)

Unit Type: Body, Control Box (with the short connectors for the area sensor and switch box and I/O connector*6), Teaching Pendant (with a 2m-cable)

2 Connection Cables between the body and control box (3m), Operation Manuals (supplied in CD-ROM), Teaching Penadant Short Connector

Optional Devices: Switch Box for the unit type (with a 2m-cable)

PC Software for result data collecting system and teaching data control system complied with Windows2000/XP

(Windows is a registered trademark of Microsoft Corporation.)

●All patents granted in Japan and the U.S.A. ●Specifications may be changed due to product upgrades without prior notice.

★ All the products are displayed in our showrooms. Please contact us if you are interested in our products.

2005.06 (S) 5,000

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

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

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

Business Line: Electro Press, Desktop Robot, SCARA Robot, Vacuum Casting, etc

Distributor:



Izumi International, Inc.

1 Pelham Davis Circle, Greenville, SC 29615 USA

Tel: 864-288-8001 Fax: 864-288-7272

E-mail: us-sales@izumiinternational.com

Web: www.izumiinternational.com



Electro Press JP Series 4

JP Series 4 Electro Press

High Precision CNC Machine
for the assembling

1KN·2KN·5KN·10KN

