

Specifications

	Item	JPT-0055	JPT-0105	JPT-0205	JPT-0505	JPT-1005
Pressing Capacity	Maximum	0.5 kN	1 kN	2 kN	5 kN	10 kN
	Setting Unit	1 N				
Ram Stroke	Max. (Long Stroke)	80 mm			100(150) mm	
	Position Setting Unit	0.001 mm				
Ram Speed	Pressing	0.01~25 mm/sec				
	Approach/Return	0.01~414 mm/sec			0.01~280 mm/sec	
	Setting Unit	0.01 mm/sec				
Maximum Holding Time *1		999.9 sec	360 sec	20 sec	999.9 sec	25 sec
Load Precision*2		25 N or more ±4 N	50 N or more ±8 N	100 N or more ±16 N	250 N or more ±40 N	500 N or more ±80 N
Position Repeatability*3		±0.005mm				
Maximum Ram Tip Fixture Hanging Weight		1 kg	2 kg	4 kg	10 kg	20 kg
Clean Room Model Clean Class*4		-			ISO4 (Class 10)	ISO4 (Class 10)
Power Consumption		400 W			950 W	
Power Source		Single Phase/Three Phase AC200~240 V, +10%				

Item		JPT-1505	JPT-2005	JPT-3005	JPT-5005	
Pressing Capacity	Maximum	15 kN	Coming Soon!			
	Setting Unit	1 N				
Ram Stroke	Max. (Long Stroke)	100(150) mm				
	Position Setting Unit	0.001 mm				
Ram Speed	Pressing	0.01~25 mm/sec				
	Approach/Return	0.01~280 mm/sec				
	Setting Unit	0.01 mm/sec				
Maximum Holding Time ^{*1}		1.5 sec				
Load Precision ^{*2}		750 N or more ±150 N				
Position Repeatability ^{*3}		±0.005mm				
Maximum Ram Tip Fixture Hanging Weight		20 kg				
Clean Room Model Clean Class ^{*4}		-				
Power Consumption		950 W				
Power Source		Single Phase/3 Phase AC200~240 V ±10%				

Basic Pressing Modes		Pressing at a constant speed: Position Stop / Distance Stop / Load Stop / Incremental Load Stop / Differential Load Stop / Event Stop / Reduced Load Stop Pressing at a constant load: Time Stop / Position Stop / Distance Stop / Event Stop Use these combinations to create multistep pressing settings in a single program.	
Sensor Functions		Step Sensor (25 Types) / Program Sensor / Load Zone Sensor	
No. of Programs ^{*5}		Up to 512	
No. of Pressing Steps ^{*5}		Up to 512 (in one program)	
No. of Step Sensors ^{*5}		Up to 16 (in one step)	Up to 512 (in one program)
External Input/ Output	COM	RS-232C 1ch	
	I/O-SYS	17 Inputs / 16 Outputs *Specify NPN / PNP at time of order	
	LAN	10BASE-T / 100BASE-TX	
	MEMORY	For USB Memory Connection (Save results data, backup and restore data, update system software.) (up to 32GB)	
	Fieldbus	EtherNet/IP / PROFINET / CC-Link / DeviceNet / PROFIBUS / CANopen (All are optional. *Specify at time of order.)	
	I/O-S	For Safety Device Connection	
Encoder		Load Cell Output, Encoder Output, Analog Monitor Output (optional)	
Display Units		Incremental	
Display Units		Load unit: N, kgf, Lb Length Unit: mm, inch	
Display Languages	PC Software	English, Japanese, Korean, Chinese (Simplified & Traditional)	
	Front Panel LCD	English, Japanese, Korean, Chinese (Simplified & Traditional), Vietnamese, German, French, Spanish, Italian, Romanian and Czech	
Drive and Control Method		AC servomotor drive 32 bit CPU (dual core)	
Work Environment	Surrounding Temperature	0~40℃ (without freezing)	
	Relative Humidity	20~90% (without condensation)	

^{*1} Value when making a cold start. This may also change due to setting conditions.
^{*2} Load display precision is ±0.8% (FS) of the maximum load when pressing in the range of 5% or more of the maximum load.
For the JPT-1505 load display precision is ±1.0% (FS) of the maximum load when pressing in the range of 5% or more of the maximum load.
^{*3} Position repeatability is dependent upon the press bearing a constant load at constant press machine and surrounding environmental temperatures.
Repeatability is not a guarantee of absolute position precision.
^{*4} Clean class is based upon ISO14644-1 and upon United States Federal Standard 209D (FED-STD-209D).
^{*5} The number of programs, pressing steps and step judgments is limited in relation to the total memory size. When multiple steps are included in one program, this in turn limits the number of new programs which can be added to the memory.

<Accessories>
·PC Software JP5 Designer (Windows® 7, Windows® 8.1, Windows® 10, Microsoft Windows® Embedded Standard 7 compatible)
·Operation Manual (CD-ROM) ·Fieldbus Cover (for presses without an optional Fieldbus) ·I/O-S Short Connector
<Optional>
·PC Software JP TaSII System (Windows® 7, Windows® 8.1, Windows® 10, Microsoft Windows® Embedded Standard 7 compatible)

·Before using our products, please be sure to check their respective operation manuals so that you can use them safely and correctly.
·Specifications may be modified without prior notice to improve product quality.
·For inquiries, please contact us at the telephone number below or through the "Contact Us" page on our website.

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JANOME

Electro Press
JP Series 5 Stand Alone Type

Two Hand Switch Model



EN



Ready to Run C-Frame Servo Press

Comprehensive Two Hand Switch-Operated Pressing System

Built-in Safety Features

With no need for a light curtain or area sensor, not only are additional costs avoided but both operator safety and a broad work area are achievable.



Improved Product Quality

Load Display Precision: $\pm 0.8\%$ (FS)*

*When at 5% or more of the press model's maximum load; for the JPT-1505 this is $\pm 1.0\%$ (FS)

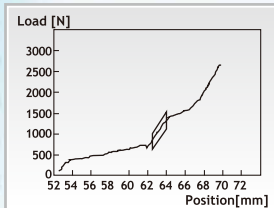
Position Repeatability: $\pm 0.005\text{mm}$ *

*With the press machine at a constant temperature.

Traceability (IoT)

Data acquired by high-speed sampling is displayable on the front panel LCD and transferable to your PC via USB memory or Ethernet connection as a useful reference for effective quality control.

Position-Load Sampling Interval: 0.25msec



Front Panel LCD Display



PC Software Display

Energy-Saving Electrical Servomotor

Consumes only 1/4 to 1/5 the energy used by hydraulic or pneumatic presses.* Ideal replacement for air and oil pressing applications where you need traceability.

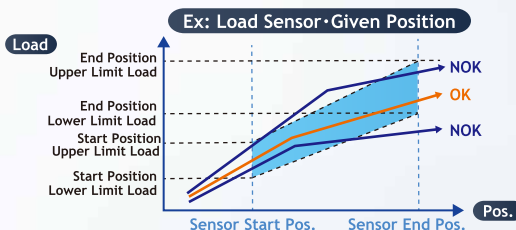
*Based upon our internal analysis at Janome.

All-in-One System Ideal for Cell Production

Designed especially for cell production and research facilities, the result display, control mechanism, pressing mechanism, C-frame and pair of operation switches are all included in one machine. Just power the press and you are ready to begin.

Rich Variety of Pressing and Sensor Functions

Combine pressing conditions (speed or load) with stopping conditions (position, load, distance, time, etc.) according to your application. Use a broad range of sensor functions for comprehensive quality control and catch any faulty workpieces in your production process.



Multilingual Front Panel LCD

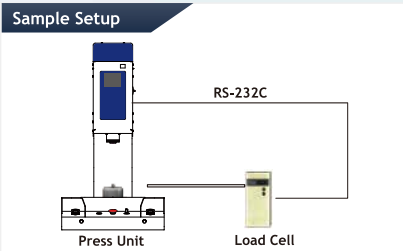
Teach and operate the press in these languages: English, Japanese, both traditional and simplified Chinese, Korean, Vietnamese, German, French, Spanish, Italian, Romanian and Czech.

Language Settings			
English	English	English	English
Japanese	Japanese	Japanese	Japanese
Italian	Italian	Italian	Italian
Spanish	Spanish	Spanish	Spanish
French	French	French	French
German	German	German	German
Korean	Korean	Korean	Korean
Simplified Chinese	Simplified Chinese	Simplified Chinese	Simplified Chinese
Romanian	Romanian	Romanian	Romanian
Czech	Czech	Czech	Czech
Vietnamese	Vietnamese	Vietnamese	Vietnamese
Traditional Chinese	Traditional Chinese	Traditional Chinese	Traditional Chinese

Front Panel LCD Language Selection Menu

Comprehensive Maintenance Functions

Simple setup makes amp adjustment and load calibration easy. Maintenance is easier and less costly than air or oil presses.



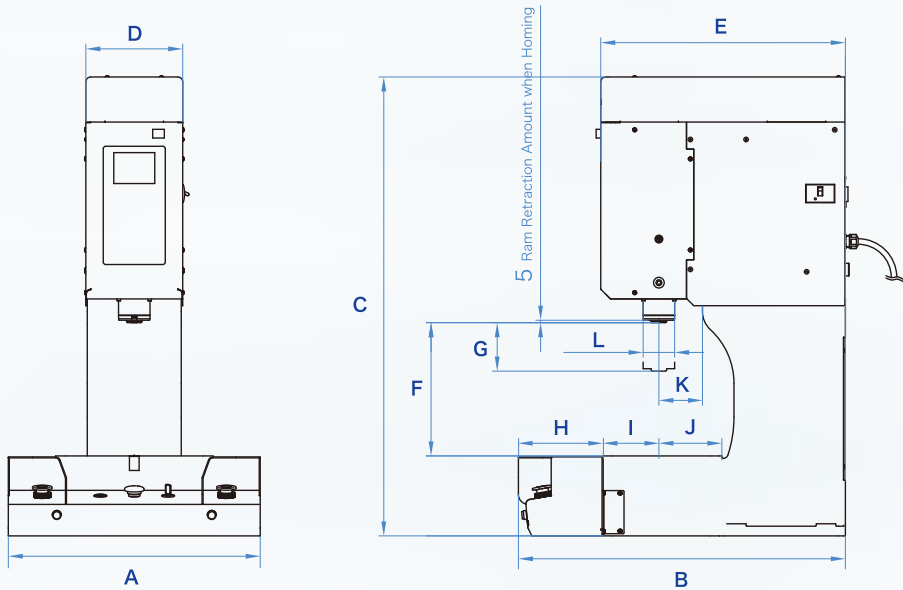
*Please consult with us about compatible load cells.

Model Code

Ex.) JPT-1005N-0CNI100

Type	Maximum Load	Specifications	Rating	Model Type	Stroke
JPT	0055 : 0.5kN 0105 : 1kN 0205 : 2kN 0505 : 5kN 1005 : 10kN 1505 : 15kN 2005 : 20kN 3005 : 30kN 5005 : 50kN	N: Standard L: Long C: Clean	C: CE	I: Incremental	080 : 80mm 100 : 100mm 150 : 150mm 200 : 200mm

External Dimensions



	Dimensions (mm)												Weight (Kg)
	A	B	C	D	E	F	G	H	I	J	K	L	
JPT-0055 / JPT-0105 / JPT-0205	520	658	816	200	477	225	80	175	100	115	125	φ 45	109
JPT-0505 / JPT-1005 / JPT-1505	520	675	947	200	505	275	100	175	115	130	90	φ 65	193
JPT-0505L / JPT-1005L / JPT-1505L	520	675	1022	200	505	275	150	175	115	130	90	φ 65	201
JPT-0505C / JPT-1005C	520	675	947	200	505	275	100	173	117	130	90	φ 105	193
JPT-2005 / JPT-3005 / JPT-5005													
JPT-3005C						Coming Soon							

For more details about dimensions, etc., please contact your Janome sales representative, or download diagrams from our website.

Clean Room Compatible Model

Compatible with Class ISO4 (Class 10 for US Federal Standard 209D) environments and usable both inside and outside a clean room, our clean room model features airtight construction, exhaust pipe connectors for cleaning systems, antistatic external finishing, low dust lubricating grease and a protective bellows covering the ram. Please refer to the specifications for available models.

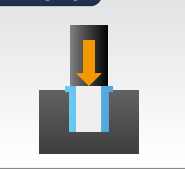


Applications

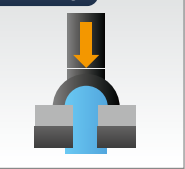
Press Fitting



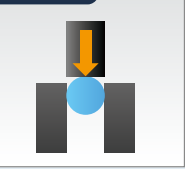
Swaging



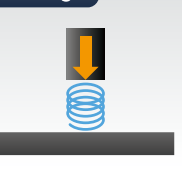
Riveting



Sealing



Testing



When using our press for metalworking, obey local laws for safety, add a safety device and obtain regulatory approval(s) when required. For more information, please contact us.