

JANOME ELECTRO PRESS

JP-104	JP-204	JP-504	JP-1004
JP-1504	JP-3004	JP-5004	
JPH-104	JPH-204	JPH-504	JPH-1004
JPH-1504	JPH-3004	JPH-5004	
JPU-104	JPU-204	JPU-504	JPU-1004
JPU-1504	JPU-3004	JPU-5004	JPU-8004

For Your Safety

Thank you for purchasing the Electro Press.

***Read this manual thoroughly in order to properly use this machine.**

Be sure to read “For Your Safety” before you use the machine. It will protect you from possible danger during operation.

***After having read this manual, keep it in a handy place so that you or the operator can refer to it whenever necessary.**

JANOME

FOR YOUR SAFETY



This volume contains particularly important instructions and notices for safe and proper use of this machine. Please read it thoroughly and be sure to follow the instructions and notices.

Instructions for your safety are also included in each operation manual. Please refer to these during actual operation.

Various symbols are used in this manual. Please read the following explanation of what each symbol stands for.











- **Symbols indicating the possible extent of damage or injury**

These symbols indicate the extent of damage or injury that can occur when the machine is handled incorrectly or instructions are not followed.

	Warning	The "Warning" symbols indicate the possibility of death or serious injury.
	Caution	The "Caution" symbols indicate the possibility of accidental injury or damage to property.

- **Symbols indicating hazard-type and hazard evasion method**

The following symbols illustrate instructions you must follow.

	Indicates what kind of safety measure should be taken.
	Take care. (General caution)
	Indicates prohibition.
	Never do this. (general prohibition)
	Do not disassemble, modify or repair.
	Do not touch. (contact prohibition)
	Indicates that the action must be taken.
	Be sure to follow instructions.
	Be sure to unplug the power supply from wall outlet.
	Be sure to check grounding.



Caution

When the electro press is being operated or adjusted, keep the operation manuals in a handy place so that you or the operator can refer to them whenever necessary.

Safety precautions should not necessarily be limited only to those prescribed in the operation manuals. Please consider any possible dangers that may exist in your specific operating environment and take the appropriate precautionary measures against these.

1. INSTALLATION

1.1 Securing the press environment

Always use a safeguard.

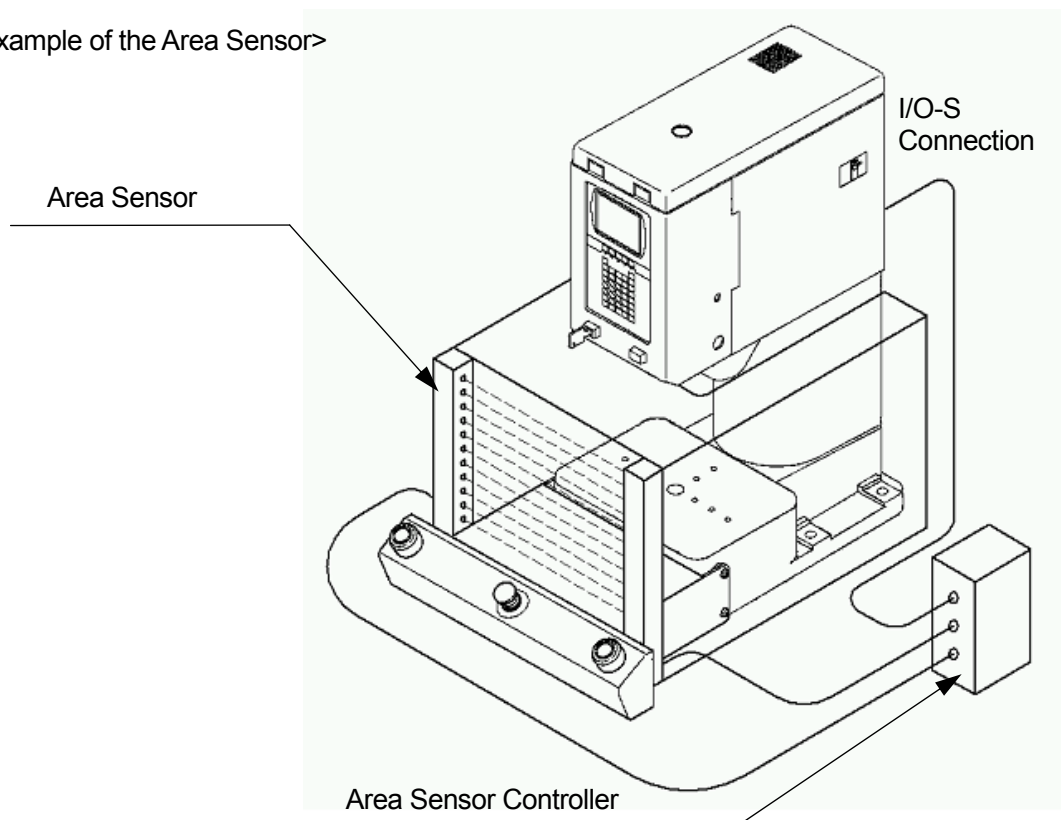
A person putting his hand inside the machine's working area may be injured.

Install an interlock as a safeguard that triggers an emergency stop when activated.

Use the I/O-S connector included in the package.

For details, please see the operation manual <Setup>.

<Example of the Area Sensor>





Be sure to attach this sticker in plain view.



1.2 Notices regarding installation

- **Place the machine on a suitable flat surface that can support its weight.** Be sure to leave a space greater than 30cm between the back of the control box equipped with a cooling fan and the wall. Do not cover the cooling fan vent on the top of a stand-alone or head type press. An insufficient or unstable area can cause the machine to fall, overturn, breakdown, or overheat.
- **Do not use the machine near inflammable or corrosive gas.** If leaked gas accumulates around the machine, it can cause fire or explosion.
- **Place the machine in a well-ventilated area for the health and safety of the operator.**
- **Use the machine in an environment that is not dusty or damp.**
- **Use the machine in an environment between 0 to 40 degrees centigrade with humidity of 20 to 95 percent without condensation.** Use outside these conditions may result in malfunction.
IP Protection Rating is “IP40.”
- **Avoid using any equipment emitting electric noise nearby.** Electric noise can cause the machine to break down.

- **Use the machine in an environment where it is not exposed to direct sunlight.** Direct sunlight may cause malfunction or defect.
- **Attach the eyebolt and use a crane to transport the machine.**
- **Be sure to remove the eyebolt after installing the machine.**
After removing the eyebolt, tighten the screw provided (JP/JPH-104 and 204, JPU-104 to 1504) or attach the rubber cap provided (JP/JPH-504, 1004) to the eyebolt fixing hole.
- **Immobilize the machine's parts when you transport the machine.**
Failure to do so may result in injury or breakdown of the machine.
- **Ensure the machine is not exposed to hard shocks during transportation or installation.** This could result in breakdown of the machine.
- **Make sure the machine is properly grounded.** The earth should be connected as a Type D installation. (under 100 Ω or less installation resistance) Insufficient grounding can cause electric shock, fire or malfunction.
- **Be sure to shut off the power supply before plugging in the power cord.**
- **Plug the power cord into the wall outlet firmly.**
Incomplete insertion into the wall outlet causes the plug to become hot and can cause fire. Check that the plug is not covered with dust before plugging it.
- **Be sure to use the press at the rated voltage specified on the nameplate.** Failure to do so may cause electric shock or fire.
- **Connect all connecting cables to the machine firmly and correctly.**
Failure to do so may result in malfunction of the machine.
- **Turn off the machine before inserting and removing cables.** Failure to do so may result in electric shock, fire, or the malfunction of the machine. IP Protection Rating is IP40.

- **Do not disassemble or modify the machine.** This can cause electric shock or malfunction of the machine.
- Place the control box on a flat surface more than 80 cm above the floor so that it is easier to operate.
- Place the machine at a height suitable for the operator.
- The installation mount should be steel. **For the stand-alone type, it should be able to support the machine's weight. For the head and unit types, it is able to support the machine's weight and pressing capacity.**
- **Make sure the jig is firmly attached.** A loose jig may result in injury or breakdown of the machine.
- **Install the emergency stop switch within reach of the operator while teaching and running the machine.** Failure to do so may cause danger because the machine cannot be stopped immediately and safely.

2. WORKING ENVIRONMENT

2.1 Operation inside the safeguard

- When putting your hand inside the safeguard, be sure to turn off the motor power to the machine by enabling the emergency stop device and follow the safety precautions below.
- Place a “**Do Not Operate**” sign on the start switches.
- When an operator has to put his hand inside the machine’s working area assign someone to monitor the press. If any danger arises, activate the emergency stop immediately. Also, prevent anyone other than the operator from going near the electro press.
- When using the JOG function keep your attention on the ram movement.

2.2 Working regulations

- Establish “**Working regulations**” for teaching and maintenance that ensure the operator’s safety while working inside the machine’s operating area
- Working regulations should address issues such as machine control and signs between operators.
- When creating the “**Working regulations**”, seek advice from related operators and specialists in work safety, and revise them regularly.



Be sure to press the **SAVE** key to save data whenever it is added or modified.

Otherwise changes will not be saved if the power to the electro press is cut off.

3. TRIAL OPERATION AND AUTOMATIC OPERATION

Please check the following before trial operation or automatic operation of the electro press:

- That no obstacle is inside or around the electro press working area.
- That the teaching pendant and tools are in place.
- That no error is indicated on the machine or it's peripheral devices.
- That the safeguards such as emergency stop of the interlock are working properly.

If an error occurs in the machine or it's peripheral devices and an operator has to put his hand inside the safeguard:

- Stop running the machine by pressing the emergency stop switch, place a **“Do Not Operate”** sign on the start switches to prevent anyone other than the operator from operating the machine.

4. DAILY CHECK AND ROUTINE INSPECTION

- Be sure to implement daily checks and routine inspections. Confirm there is no error in the machine or peripheral devices. Record this information and archive it for at least 3 years.

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The specifications of the machine or the contents of this manual may be modified without prior notice to improve its quality.

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