
NittaBeltPoly Heat Press PP1535 Operation Manual



Follow this manual when using NittaBeltPoly Heat Press.



Please pass this manual to NittaBeltPoly Heat Press users for a safe and trouble-free operation.

NITTA CORPORATION

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1. Confirmation of Product

Thank you for choosing our Heat Press PP1535.



CAUTION

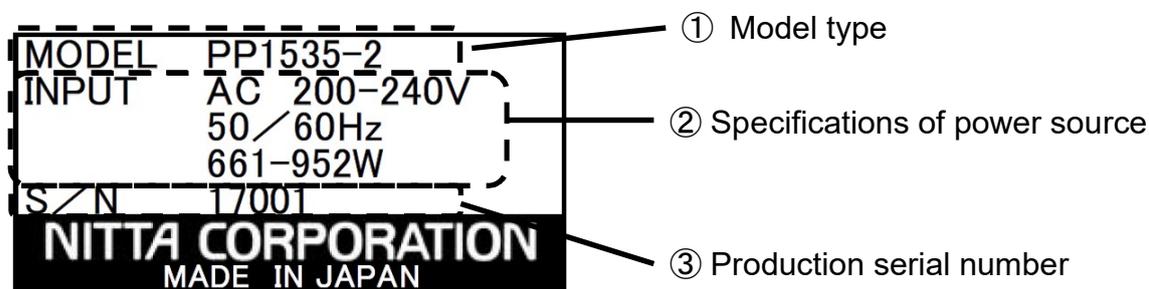
**Check that the product is exactly what you have ordered.
Use of the wrong product may cause fire, electric shock or injury.**

1-1) Confirmation of Product

Confirm the following items upon accepting delivery of your order. Contact your local sales office or distributor in your area if you find any deficiency or defect in your item.

- ① Are descriptions on the face plate the same as those of your order item?
Please confirm the model type and the power source specifications.
- ② Has the product been damaged during transportation?
- ③ Has a nut or screw slacked?
- ④ Checking the contained items.

1-2) How to Read Face Plate



1-3) Press model

There are two kinds of models with a different input power supply.
The specification of the power supply is described by the input.

1-4) The contained items

Operation manual (This manual) 、 Cushion rubber × 1、 Release sheet × 1

1-5) Notes for inquiry

When making inquiries, please contact us with both the press model and serial number.

2. Specifications

2-1) Outline of Heat Press

- ① Heat Press is exclusively designed for making endless **NittaBeltPoly** belts
- ② Heat Press is compatible with the following endless specifications:
 Joint specifications: skiver endless (Right angle)
 Maximum belt width: up to 300mm
 Maximum belt thickness: up to 6mm
- ③ Tools required for making skiver endless belts: NITTA Poly Skiver

2-2) Major Specifications of Heat Press

Type	PP1535-1	PP1535-2
Specification of power source	100V	200V
Input power supply	100V~120V	200V~240V
	50/60Hz	50/60Hz
	660 - 952W	660 - 952W
Temperature	※ 90~110℃	
Outer Dimension	Press body : 230mm wide ×600m long ×215mm high	
Weight	※ 28kg	



WARNING

Do not set to a temperature in excess of 110 °C absolutely.

- ※ **In carrying out endless of the belt, and the temperature set in the range of 90 ~ 110 °C.**
- ※ **It is not possible to control temperature is below room temperature.**
- ※ **There is a weight of 28kg this Heat Press.**
Handle with care when transporting, please do not hurt in the dropping.

3. Use Environment

Ambient Temperature	5-30 °C(no condensation)
Ambient Humidity	15~85%RH
Place of Use	Indoors (free from dust, water)
Environment	No flammable, combustible or corrosive gas; no steam

**WARNING**

In order to prevent fire or electric shock, do not use the Heat Press under the following conditions:

- Under flammable gas or combustible gas environment
- Under a corrosive gas environment
- Under an ambient temperature of 5°C or below
- Under an ambient temperature of 30°C or above
- Under a high humidity environment (humidity surpassing 85%)
- In places exposing the Heat Press to steam or water drops

4. Storage Environment

Ambient Temperature	0-40 °C (no condensation)
Ambient Humidity	15~85%RH
Place of Use	Indoors (free from dust, water)
Environment	No flammable, combustible or corrosive gas; no steam

**WARNING**

The Heat Press which is not in use should be stored subject to the above conditions.

Wrong or poor storage may cause mechanical disorder to the press and may cause fire or electric shock.

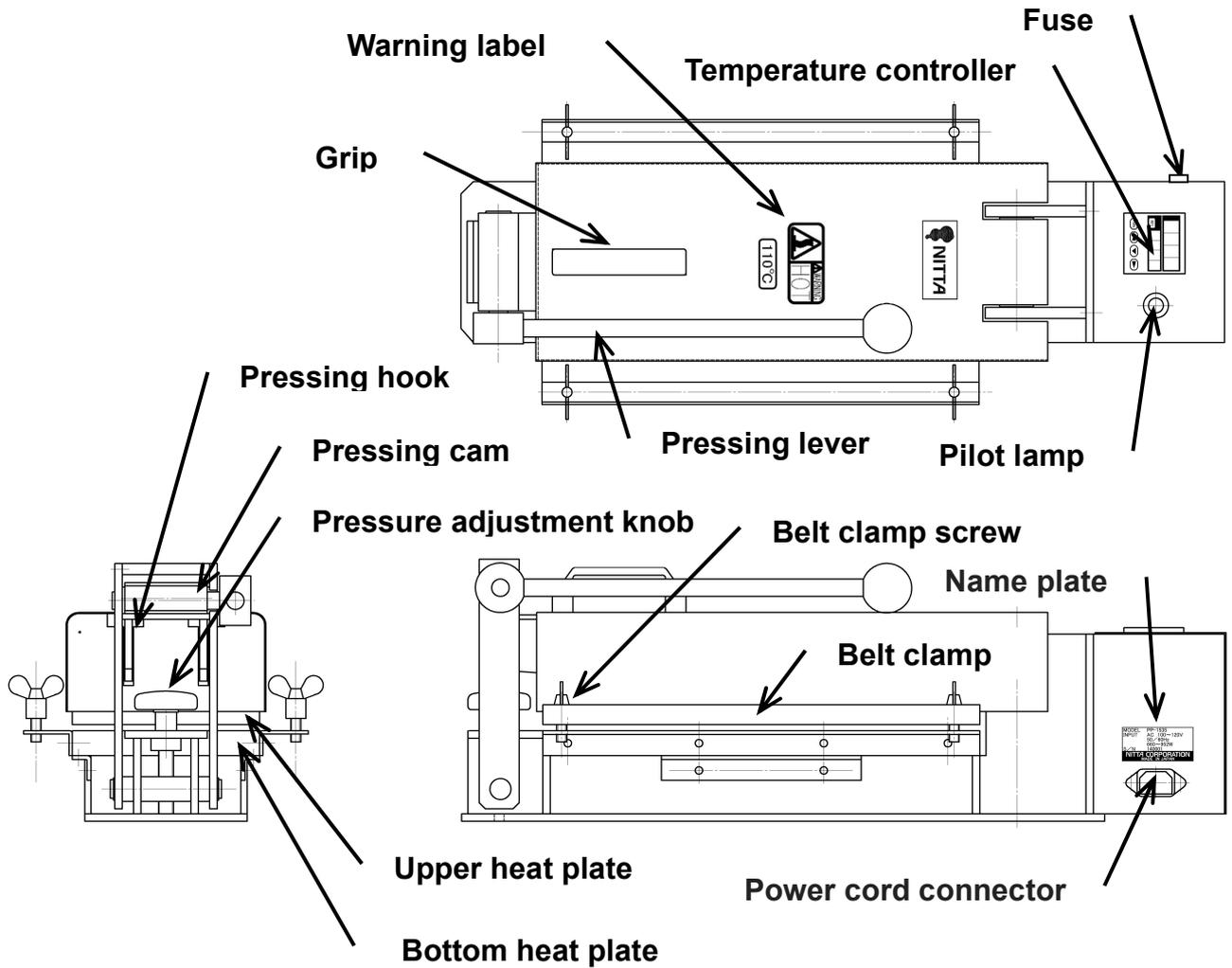
**WARNING**

Before using the Heat Press, perform a prior-to-use inspection and confirm that the press is working properly.

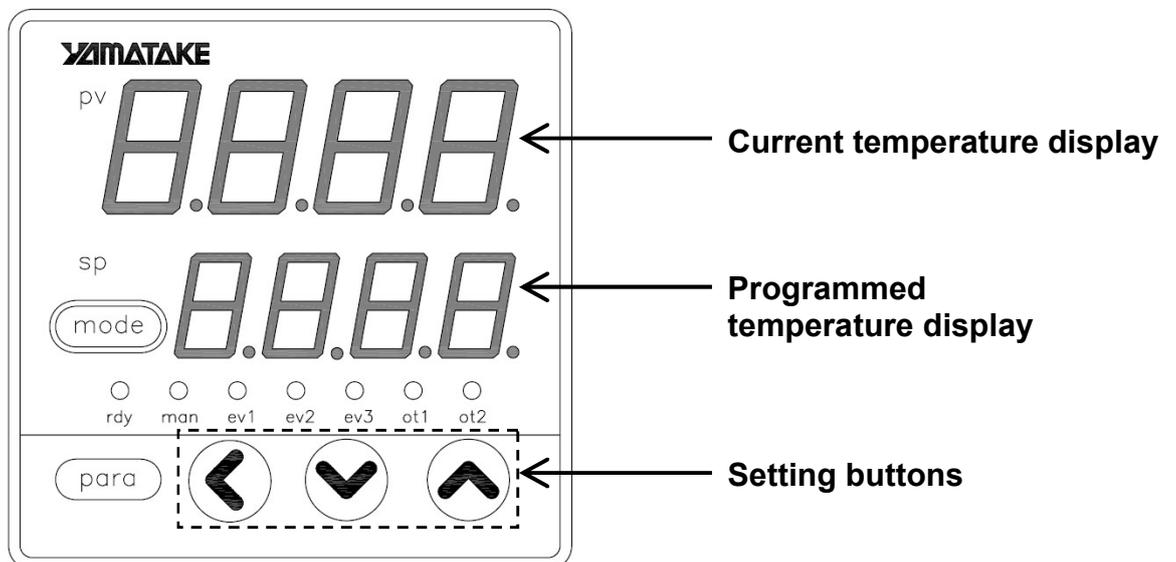
Any problem found in the prior-to-use inspection should immediately be notified to your local sales office or distributor in your area.

5. Name of Each Part

5-1) Main Press Body



5-2) Temperature controller



6. Safety Precautions

Please go over these safety precautions carefully to secure a correct and safe operation of the NIttaBeltPoly Heat Press PP1535.

 **WARNING** Disregarding instructions marked with this symbol may lead to death or serious injury.

 **CAUTION** Disregarding instructions marked with this symbol may lead to injury or property damage

 **WARNING**

 **WARNING** **Do not use the Heat Press for any application other than the intended purpose of making belts endless.**
Use for any unintended purpose may cause an unexpected accident. A wrong operation may impair safety protection functions of the Heat Press.

 **WARNING** **This machine is not intended for the physical, sensory or mental handicapped persons use.**
They must have the supervision of a person responsible for their safety, if they use this Heat Press.
Failure to do this may cause fire, electric shock or injury.

 **WARNING** **Do not allow the child to handle this Heat Press.**
Keep this machine in the place where child's hand does not reach.
Failure to do this may cause fire, electric shock or injury.

 **WARNING** **A person with experience and skills should always operate, maintain and inspect the Heat Press.**
Handling by an inexperienced person may cause fire, electric shock or injury.

 **WARNING** **Do not dismantle or remodel the Heat Press in any event.**
Dismantling or remodeling the Heat Press may cause fire, electric shock or injury.
For repair or inspection, please contact your local distributor or agent in your area.

 **WARNING** **In case of an emergency (such as smoke, fire, foul smell), disconnect the main plug from the socket outlet and contact Nitta or your local distributor or agent in your area for inspection.**
Failure to disconnect the main plug from the socket outlet may cause fire or electric shock.

6 Safety Precautions- Continued-



WARNING

Confirm that the power source used is within the designated specifications of the Heat Press.

Use beyond the designated specifications may cause fire or electric shock.

Specification	Power Source
For 100V	100V—120V 50/60Hz
For 200V	200V—240V 50/60Hz



WARNING

Use a conversion plug when the plug shape does not match the socket.

Failure to do this may cause electric shock.

The plug shape of the attached power cable is as follows.

The conversion plug is not attached.

When a conversion plug is necessary, users must provide their own.

Specification	Plug type	Plug illustration
For 100V	A Type	
For 200V	CEE7 (S Type)	



WARNING

Connect the main plug correctly to the socket outlet.

The power cable of the press uses an earth connection plug.

Connect the main plug correctly into an earth connection outlet to prevent electric shock.



WARNING

Always use anti-heat gloves when handling the Heat Press to prevent burns.

A label “Hot!” is on the top and bottom plates of the press to warn against high temperature.



WARNING

Do not touch any part of the press, other than its handle, even with anti-heat gloves on while the press is being heated or while it is still hot after using.

Metal edge portions beyond the handle can exceed 110°C, which may cause burns even with anti-heat gloves on.



WARNING

Disconnect the main plug from the socket outlet immediately after use.

An operator should pay attention so that others do not touch the press carelessly and get burned before the press has cooled down.

It takes about two hours for a heated press (110°C) to cool down to 40°C in the room temperature of 25°C once it has been unplugged.



WARNING

Do not use the Heat Press on a flammable material.

Use of any other product may cause fire.

6 Safety Precautions- Continued-



Impressed voltage is distributed in the power cable. To prevent fire, electric shock or damage, please consider the following.

- Disconnect the main plug from the socket outlet with your hand.
- Do not remodel or replace the main plug.
- Do not place any object on the power cable.
- Do not fold the power cable.
- Do not pull or stretch the power cable.



Use a three-pin earth line as an extension cord.

When an extension cord is required, use an earth-connection type extension cord to prevent electric shock.



To prevent fire or electric shock, do not use the Heat Press under the following conditions:

- Under flammable gas or combustible gas environment
- Under a corrosive gas environment
- Under an ambient temperature of 5°C or below
- Under an ambient temperature of 30°C or above
- Under a high humidity environment. (Humidity surpassing 85%)
- In places exposing the Heat Press to steam or water drops



To prevent electric shock, do not operate the Heat Press with moistened hands.



Do not pour water on the Heat Press and do not get it wet. Use of a wet press may cause fire or electric shock.



Use a dry cloth for cleaning the Heat Press.

To prevent fire, do not use alcohol, benzene, thinner or any other inflammable solvent.



Use the heat press by fixing it to a horizontal and sturdy table or stand with bolts.

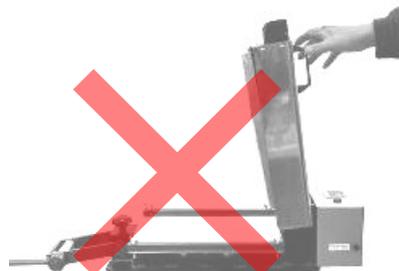
It may cause burns, injuries, and fractures.



To open the upper heat plate, hold the grip firmly and pull it up slowly. Release your hand after confirming that the upper heat plate has opened to the maximum opening position.

The upper heat plate may fall down and cause burns, injuries, and bone fractures.

NG



OK



Do not apply impact to the heat press with the upper heat plate open, as the upper heat plate may fall over.

It may cause burns, injuries, and fractures.

6 Safety Precautions- Continued-



WARNING

When closing the upper heat plate, hold the grip firmly and close it slowly.

It may cause burns, injuries, and fractures.



WARNING

Do not leave the upper heat plate open.

The upper heat plate may close unexpectedly.

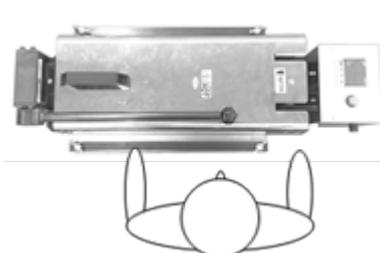
It may cause burns, injuries, and fractures.



WARNING

To operate the endless splicing from the right side of the heat press is easier and safer.

Perform the endless splicing so that the temperature controller is on the right side and the Pressing lever is on the left side as seen from the operator.



WARNING

Do not wrap the belt around the bottom of the heat press during the endless splicing.

The installation of the heat press becomes unstable.

It may cause injury and fracture.



NG

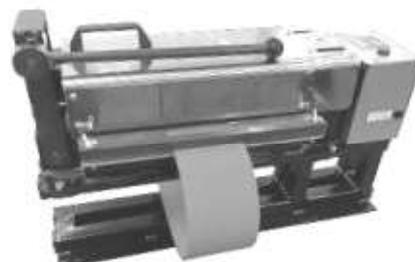


OK

When installing this heat press directly on a table, the sizes that can be endless are as shown in the table below. If you install the press on a stand as shown in the pictures below, even shorter endless lengths will be possible. Please use it after confirming that fixing the heat press and the base firmly with bolts.

Belt width[mm]	Belt length[mm]
~ 100	2000~
100~200	2500~
200~300	3000~

Stand



6 Safety Precautions- Continued-

Caution



Do not use the Heat Press outdoors.
This product cannot be used outdoors.



Do not give a strong shock.
This may cause fire or electric shock or injury.



When lightning surge occurs, please discontinue use immediately.
It may cause fire, electric shock press has failed.



When using the Heat Press on any equipment, use a safety catcher for the press so it doesn't fall or collapse. This will help prevent fire, electric shock or injury.
This may cause fire or electric shock or injury.



Before using the Heat Press be sure to inspect the press in accordance with the procedure described on page 16 to help prevent fire or electric shock.



Do not use this machine for the endless splicing of belt of other manufacturers.
Endless splicing may become imperfect if this machine is used for the endless splicing of belt of other manufacturers.
This may spoil the full functioning and performance of the belt.

7. Operation Procedure

7-1) Pre-heat

Connect the main plug correctly to the socket outlet.

Power is supplied to the temperature controller and the current temperature of the press is indicated on the temperature controller.

It takes about 30 minutes to preheat.

Now it is possible to confirm and change the set temperature.



WARNING

Be sure to connect an earth line to prevent electric shock.

7-2) Temperature setting (Temperature controller)

- 1) Make sure that the power is applied to the temperature controller.
- 2) Push the (para) display change button three times to indicate "SP-1" on the present temperature display.
At this time, the preset temperature display indicates the preset temperature.
※The preset temperature before shipping is 110°C.
- 3) Push the (▲) (up) button to raise the preset temperature or push the (▼) (down) button to lower. Push the button once and the flickering figure increase or decrease 1°C each time.
Pushing the (◀) (side) button shifts the figure of temperature.
- 4) The figure of the preset temperature display is flickering when the figure of the temperature is adjusting.
The preset temperature will be fixed when no pushing is made for 2 sec or more.
- 5) Push the (para) display change button two times to return the present temperature display to the original state.

7-3) Discontinuing operation of the Heat Press while in use.

Disconnect the plug if it becomes necessary to discontinue operation of the Heat press while it is in use.

Even if the plug is disconnected during operation, preset data of preset temperature and hold time are maintained.



WARNING

When operation is discontinued during use, the Heat Press is kept at high temperature.

Be sure to wear heat-resistant gloves when handling the Heat Press.

Failure to do this may cause burns.



WARNING

The operator should take measures to prevent other people from touching the machine accidentally, until the Heat Press temperature lowers to near room temperature (about two hours).

Failure to do this may cause burns to others.



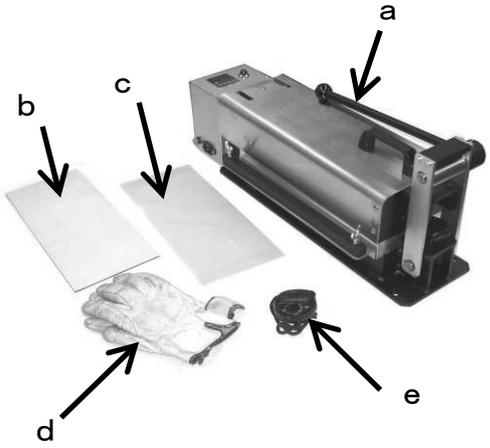
CAUTION

If Heat Press operation is discontinued during the process of splicing a belt, do not use the belt.

The splice may become defective, reducing the function and performance of the belt, or rendering it unusable.

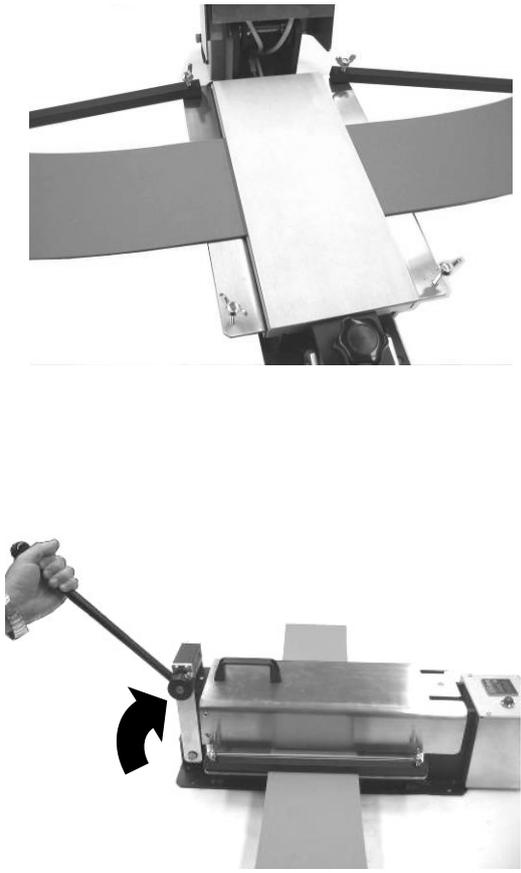
8. How to Make Belts Endless

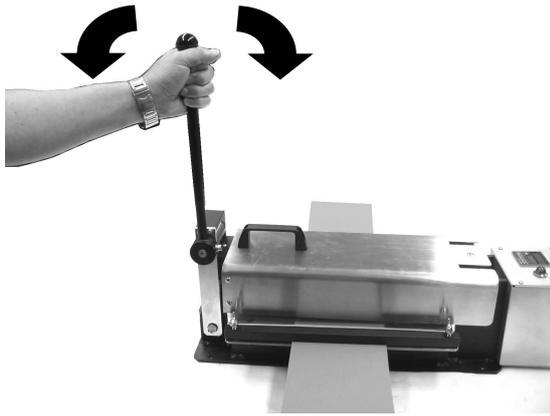
8-1) Required Tool

	<ul style="list-style-type: none">a. Heat Press (PP1535)b. Cushion rubber (PP1535 contained)c. Release sheet (PP1535 contained)d. Anti-heat Gloves (burn-preventive protection kits)e. Stopwatch or timer <p> WARNING The press body reaches a high temperature. Always use anti-heat gloves to prevent burns.</p>
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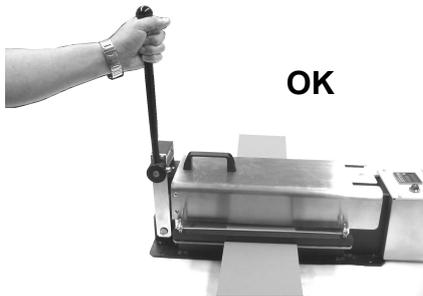
8-2) Adjustment of pressure

Before turning on the power of the press, you can make the adjustment of pressure depending on the belt to be endless.

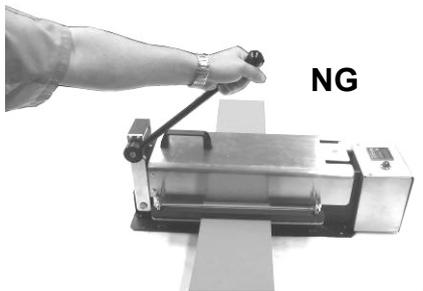
	<ul style="list-style-type: none">• On top of the lower heat plate, overlaid on belt order, release sheet, of the cushion rubber. <p>※Belt Centering the heat plate.</p> <p> WARNING</p> <p>Be careful not to stick your hands as the upper heat plate may close unexpectedly due to impact. If you pinch your hand, it may cause burns, injuries, or bone fractures.</p> <ul style="list-style-type: none">• Close the upper heat plate.• Hooked on the pressing hook the pressing cam.
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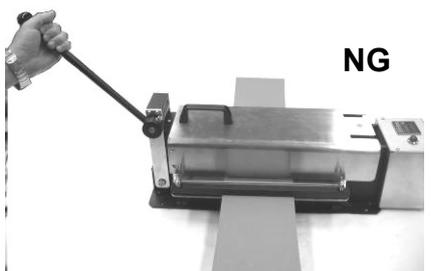
- Moving back and forth the pressing lever. Check the angle feel resistance to the pressing lever.



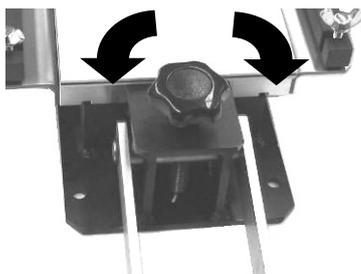
- It is appropriate to feel resistance from the position where the pressing lever is facing right above.



- Pressure is low in a state where the pressing lever does not feel resistance even beyond the angle just above.

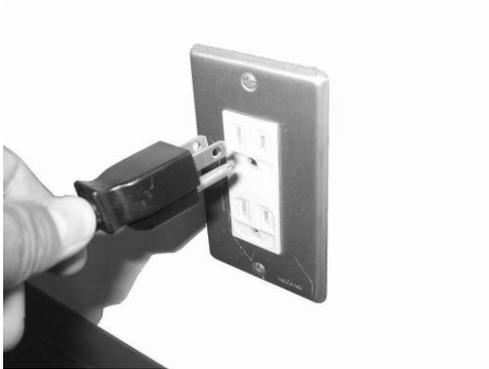


- Feel the resistance in a state in which the angle of the pressing lever does not reach directly above the pressure is high.



- Turning the adjustment the pressure adjustment knob of pressure.
For higher pressure, by turning the pressure adjustment knob counter-clockwise.
For lower pressure, by turning the pressure adjustment knob clockwise.

8-3) Make Belts Endless



※Setting the temperature and pressure of the press in advance.

- Connect the main plug correctly to an electrical outlet, it is done preheating.



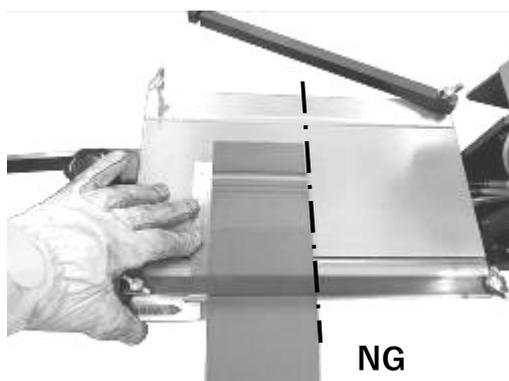
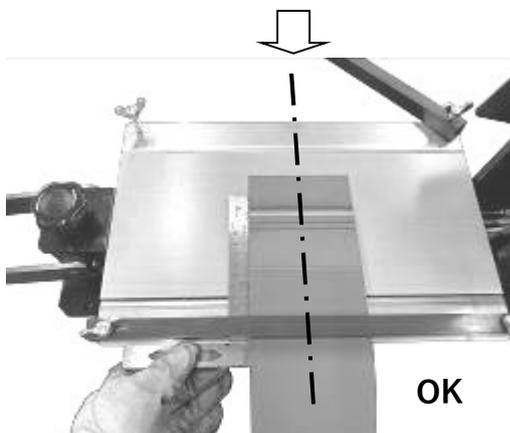
The Heat Press body reaches a high temperature. Always use anti-heat gloves to prevent burns.

- Apply the adhesive to the belt

※Check the splicing manual method of applying adhesive.

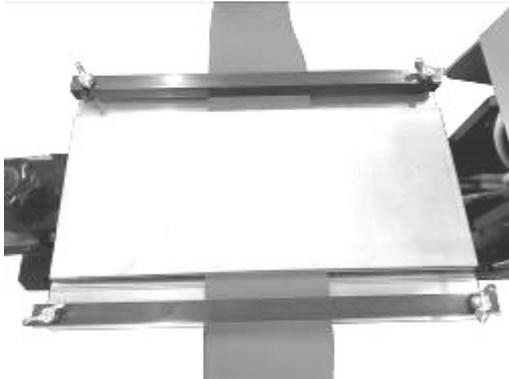
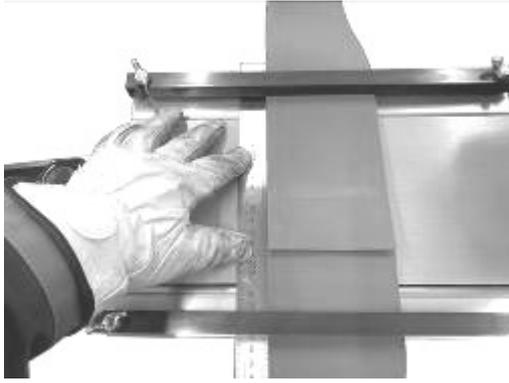
- Is fixed to the center of the heat plate with upward skive surface of the belt. Overlaid nylon core to match the belt the other.

Center of heat plate



※Belt Centering the heat plate.

Pressure is not applied uniformly belt has not been set in the center of the heat plate



- Make sure the joints are not bent at scale, to be fixed in the belt clamp the belt.

- Overlaid in the order of the release sheet, cushion rubber.

- Close the upper heat plate. Pressurized horizontal to operate the pressing lever.
- During the heating time, which is described in splicing manual, hold the state in which the heated and pressurized.

- Releasing the pressure, the lever and remove the belt.



WARNING

The Heat Press and belt are hot, it may cause burns.



WARNING

Close the upper heat plate after using the heat press.



WARNING

The Heat Press after use, Unplug the power plug immediately and until cool to a safe temperature, please like other people not to touch carelessly.

9. Troubleshooting

Problem	Cause		Solution
No display on the temperature controller	The power plug has been disconnected.		Connect the power plug.
	The fuse has blown out.		Replace the fuse.
	Is power supplied to the outlet?	Yes	Failure of the temperature controller or disconnection of power cable or internal wiring is suspected. * Please contact your local distributor, agent in your area or our company.
		No	Supply power to the outlet.
The temperature controller gives a display starting with AL. (AL01 - AL99)	Defective data on temperature controller		Disconnect the power plug once and connect it again. * If the alarm display does not disappear, failure on the temperature controller is suspected. * Please contact your local distributor, agent in your area or our company.
Temperature cannot be set.	Setting change is not possible for 6 sec. right after power ON.		Wait 6 sec. or more to make a setting.
	The <input type="text" value="para"/> and other buttons were pushed right after the preset value was changed.		To fix the preset value, avoid pushing buttons for 2 sec. or more.
	Other than the above: Failure of the temperature controller		If setting is not possible even by the above methods, failure on the temperature controller is suspected. * Please contact your local distributor, agent in your area or our company.
Cannot be heated to the set temperature.	Does power supply not match the specification?	Yes	Use the correct power supply.
		No	Failure of the temperature controller or disconnection of internal wiring is suspected. * Please contact your local distributor, agent in your area or our company.

10. Inspection

Inspection items	date/staff	date/staff	date/staff	date/staff	date/staff
The power cable is free of damage or destruction.					
The Control cable is free of damage or destruction.					
The temperature controller is free of damage or destruction.					
All screws of the temperature controller are tightened.					
Main plug is free of damage or destruction.					
The press body is free of damage or destruction.					
All screws of the press body are tightened.					

※Make a copy of this page and use it for a prior-to-use inspection

11. Warranty and after-sales service

1. Warranty period

The warranty period is for one full year after the delivery of the order at your appointed place.

2. Warranty coverage

1) Should the product malfunction due to causes for which our company is responsible during the abovementioned warranty period, our company will provide a replacement product or repair the product free of charge. However, even within the warranty period the following cases shall not be covered by the warranty. Please note that even if our company provides a replacement product or repairs the product, the warranty period will be calculated from the initial date on which the product was delivered.

- ① Malfunction arising from any inappropriate conditions, environment, handling and usage which are not described in the Operation Manual and the Endless Splicing Procedure.
- ② Malfunction due to a cause arising from something other than the product, such as your own device.
- ③ Malfunction arising from any remodeling or repairing by other than our own company.
- ④ Malfunction arising from any reasons unpredictable due to our level of chemistry and technology before shipment.
- ⑤ Malfunction arising from fire, earthquake, flood, other disasters, voltage error, or other external factors for which our company bears no responsibility.

2) The warranty coverage is limited to what is stated in 1) above, and the warranty does not cover secondary damages (equipment damage, opportunity loss, profit loss) and any other damage incurred by the user as a result of a malfunction of the product.

3) After the warranty period, if after examination the product is repairable, our company will repair it upon request.

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