

PolySprint™

Cooling Press

NPS-0310C

OPERATING MANUAL



Follow this manual when using Nitta ***PolySprint™*** Cooling Press.



Please pass this manual to ***PolySprint™*** Cooling Press users for a safe and trouble-free operation.

NITTA CORPORATION

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1. Safety Precautions

Thank you for choosing our *PolySprint™* Cooling Press NPS-0310C.

Please go over these safety precautions carefully to secure a correct and safe operation of the *PolySprint™* Cooling Press NPS-0310C.

 **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 *PolySprint™* Cooling 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 press.

 **WARNING** A person with experience and skills should always operate, maintain and inspect the *PolySprint™* Cooling Press.

Handling by an inexperienced person may cause injury.

 **WARNING** Do not dismantle or remodel the *PolySprint™* Cooling Press under any circumstance. Dismantling or remodeling of the *PolySprint™* Cooling Press may cause injury.

For repair or inspection, please contact Nitta, your local distributor or agent in your area.

 **WARNING** Always use anti-heat gloves when handling the Cooling Press body to prevent burns.

The cooling press is used to cool a pre-setter of about 200°C.

Use caution when handling the cooling press and the pre-setter to avoid burns.

 **WARNING** Always use a pre-setter supplied by Nitta.

Use of any other product may cause burns.

1 Safety Precautions- Continued-



To prevent fire, do not use the *PolySprint™* Cooling 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 40°C or above
- Under a high humidity environment (humidity surpassing 85%)
- In places exposing the press to steam or water drops



Use a dry cloth for cleaning the *PolySprint™* Cooling Press. To prevent fire, do not use alcohol, benzene, thinner or any other inflammable solvent.



CAUTION



Do not use the *PolySprint™* Cooling Press outdoors.



When using the *PolySprint™* Cooling Press on equipment, use a safety catcher so the press doesn't fall or collapse. This will help prevent injury.



Before using the *PolySprint™* Cooling Press, be sure to inspect the press in accordance with the procedure described on page 8 to help prevent injury.

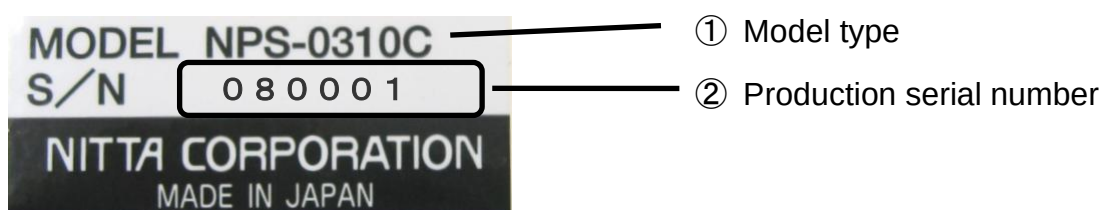
2. Confirmation of Product

2-1) Confirmation of Product

Confirm the following items upon accepting delivery of your order. Contact Nitta, your local distributor or agent 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.
- ② Has the product been damaged during transportation?
- ③ Has a nut or a screw slackened?

2-2) How to Read Face Plate



2-3) Inquiries

When making inquiries, please inform our sales representative of the model type and the production serial number.

3. Specifications

3-1) Outline of the Cooling Press

- ① **PolySprint™** Cooling Press is exclusively designed for making finger-endless Nitta **PolySprint™** belts and is made up of (1) springs that apply pressure to the belt (2) heat radiation parts equipped with a heat sink.
- ② **PolySprint™** Cooling Press is compatible with the following endless specifications:
Joint specifications: finger geometry 30 mm long x 10 mm pitch
Maximum belt width: 100 mm
Maximum belt thickness: 2 mm

3-2) Major Specification of the Cooling Press

Type	NPS-0310C
Outer Dimension	102 mm wide × 311 mm long × 102 mm high
Weight	2.5kg

4. Use Environment

Ambient Temperature	5~40°C (no condensation)
Ambient Humidity	15~85%RH
Place of Use	Indoors (free from dust, water)
Environment	No inflammable, combustible or corrosive gas; no steam



In order to prevent fire, do not use the *PolySprint™* Cooling 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 40°C or above
- Under a high humidity environment (humidity surpassing 85%)
- In places exposing the press to steam or water drops

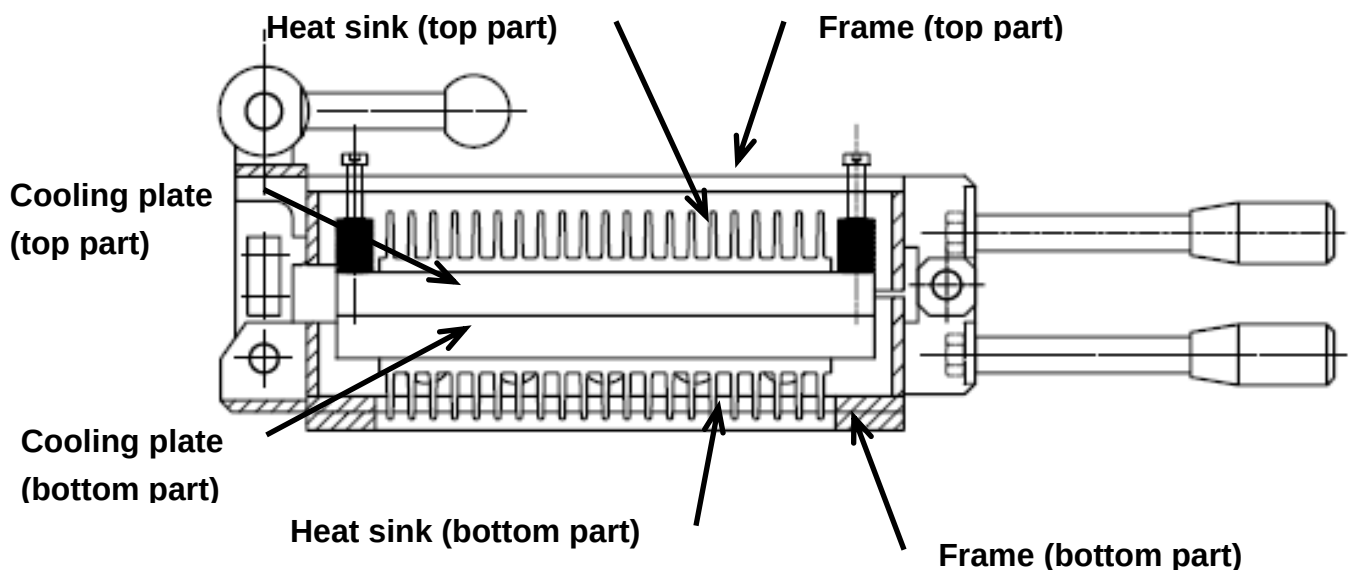
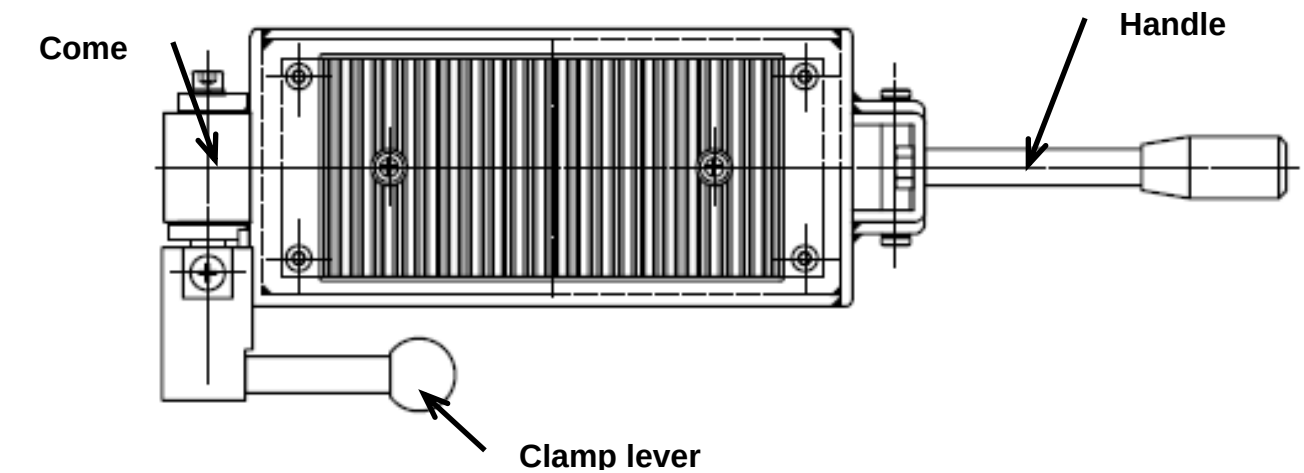
5. Storage Environment

Ambient Temperature	5~40°C (no condensation)
Ambient Humidity	15~85%RH
Place of Use	Indoors (free from dust, water)
Environment	No inflammable, combustible or corrosive gas; no steam



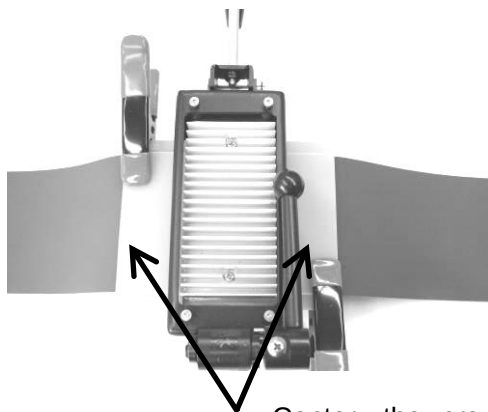
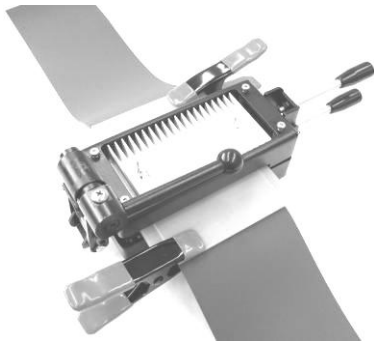
When not in use, the *PolySprint™* Cooling Press should be stored according to the above conditions.

6. Name of Each Part

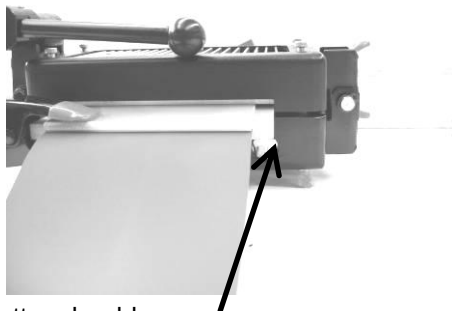


7. Work Procedures *PolySprint™* Cooling Press

7-1) Work Procedures



Center the pre-setter
in the cooling press.



Pre-setter should
touch back of press.



① Cooling the Belt

- Remove the pre-setter from the heat press by grasping the pre-setter clamps and move the pre-setter to the cooling press.
- Turn until the clamp lever becomes parallel to the main body.

※Relax the handles, which apply pressure, and cool for specified time. For cooling time, refer to the Endless Conditions Table.

※Like the heat press, position the pre-setter centered in the cooling press and insert the pre-setter all the way in until it touches the back of the press.

② Taking out the Belt

- After cooling for the specified time, hold the clamps and remove the pre-setter from the cooling press.

※The pre-setter is still at a high temperature after cooling time. Be careful when handling the pre-setter.

- Remove the belt from the pre-setter in this order: clamps, pre-setter top plate, silicon sheet, and belt.

※The belt may be used once it reaches room temperature.



WARNING

Continual use of the cooling press may cause the press body to sustain a high temperature. This may result in burns and tends to deteriorate the cooling efficiency. Use the cooling press after it cools down to room temperature.

7-2) How to Make Belts Endless

Refer to the heat press operation manual (PSM-NIT-07003E).

8. Inspection

Inspection items	date/staff	date/staff	date/staff	date/staff	date/staff
The press body is free of damage or destruction					
All screws of the press body are tightened.					
The heat sink is free of foreign object or any resin.					

Make a copy of this page and use it to inspect the cooling press prior to each use.

9. 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 OPERATING 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.

Memo

For information on Nitta's overseas offices, please check here to access the QR code.



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The specification is subject to change for improvement without notice.

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