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

Please go over these safety precautions carefully to secure a correct and safe operation of the *PolySprint™* Cooling Press NPS-3050C.

**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**
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 -

**WARNING**
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

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

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

**CAUTION**
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.

**CAUTION**
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

Thank you for choosing our *PolySprint™* Cooling Press NPS-3050C.

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

![Face Plate](image)

① Model type

② Production serial number

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: up to 50 mm

Maximum belt thickness: up to 2 mm

3-2) Major Specification of the Cooling Press

<table>
<thead>
<tr>
<th>Type</th>
<th>NPS-3050C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer Dimension</td>
<td>80 mm wide × 225 mm long × 97 mm high</td>
</tr>
<tr>
<td>Weight</td>
<td>0.6kg</td>
</tr>
</tbody>
</table>
4. Use Environment

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ambient Temperature</strong></td>
<td>5-40°C (no condensation)</td>
</tr>
<tr>
<td><strong>Ambient Humidity</strong></td>
<td>15-85%RH</td>
</tr>
<tr>
<td><strong>Place of Use</strong></td>
<td>Indoors (free from dust, water)</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>No inflammable, combustible or corrosive gas; no steam</td>
</tr>
</tbody>
</table>

**WARNING**

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

<p>| | |</p>
<table>
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<tr>
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**CAUTION**

When not in use, the *PolySprint™* Cooling Press should be stored according to the above conditions.
6. Name of Each Part

- Heat Sink
- Main Body
- Handle
- Handle Shaft
- Heat Sink Shaft
7. Work Procedures *PolySprint™* Cooling Press

7-1) Work Procedures

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.

※The cooling press doesn’t have a topside versus bottom side. It can be used either way.

※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.

- Relax the handle, which applies pressure, and cool for specified time.

※For cooling time, refer to the Endless Conditions Table.

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

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 (PSU-NIT-05023).
## 8. Inspection

<table>
<thead>
<tr>
<th>Inspection items</th>
<th>date/staff</th>
<th>date/staff</th>
<th>date/staff</th>
<th>date/staff</th>
<th>date/staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>The press body is free of damage or destruction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All screws of the press body are tightened.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The heat sink is free of foreign object or any resin.</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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