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.
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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** 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, benzine, 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

![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 100 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>102 mm wide × 311 mm long × 102 mm high</td>
</tr>
<tr>
<td>Weight</td>
<td>2.5kg</td>
</tr>
</tbody>
</table>
4. Use Environment

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

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

- Handle
- Heat sink (top part)
- Heat sink (bottom part)
- Cooling plate (top part)
- Cooling plate (bottom part)
- Frame (top part)
- Frame (bottom part)
- Clamp lever

Come
7. Work Procedures PolySprint™ Cooling Press

7-1) Work Procedures

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.

7-2) How to Make Belts Endless
Refer to the heat press operation manual (PSM-NIT-07003E).

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.
## 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>
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</tbody>
</table>

Make a copy of this page and use it to inspect the cooling press prior to each use.
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The specification is subject to change for Improvement without notice.

Dec, 2016 Rev4 NPS-3050C-E