SWITCH TO
PLASTIC MODULAR CHAIN
For more efficient conveyance

Excellent choice of plastic modular chains!
Perfect solutions for various types of conveyor belt issues.
Recommend switching to plastic modular chains to solve various types of conveyor belt issues.

Don’t you feel maintenance of belt conveyors are troublesome or that belt service life is too short? Our highly durable plastic modular chains enable various layouts, more convenient and efficient conveying with excellent satisfaction.

Make the switch and see!

Belt

A whole conveyor belt needs to be replaced due to damage or breakage.

Meandering can cause belt ends to fray, resulting in the intrusion of foreign matter.

Slippage between belt and pulley can cause fluctuations in conveyance speed.

Accumulation can cause scratches to conveyed items.

Conveyor belts subjected to oil could be swollen.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Belt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durability (service life)</td>
<td>△</td>
</tr>
<tr>
<td>Meandering prevention</td>
<td>△</td>
</tr>
<tr>
<td>Drive</td>
<td>○</td>
</tr>
<tr>
<td>Conveyor height</td>
<td>○</td>
</tr>
<tr>
<td>Maintenance</td>
<td>○</td>
</tr>
<tr>
<td>Initial costs</td>
<td>○</td>
</tr>
<tr>
<td>Running costs</td>
<td>△</td>
</tr>
<tr>
<td>Sliding performance</td>
<td>△</td>
</tr>
<tr>
<td>Oil resistance</td>
<td>△</td>
</tr>
<tr>
<td>Wear resistance</td>
<td>△</td>
</tr>
<tr>
<td>Orthogonal conveyance</td>
<td>△</td>
</tr>
<tr>
<td>Inclined conveyance</td>
<td>○</td>
</tr>
</tbody>
</table>
Plastic Modular Chain

- Easy partial maintenance and repair.
- With tab guide attachments to prevent meandering.
- Ensure stable running.
- Enable accumulation.
- Low friction property minimizes scratches to conveyed items.
- Less swollen materials with oil.

Note: The above will vary depending upon operating conditions such as mass of conveyed items and conveyance speeds.
Ideal for switching from belt conveyors

Capable of various layouts

A Straight transfer
Easy straight transfer by small pitch plastic modular chains.

B Orthogonal transfer
No necessary for a dead plate (easy adjustment).

When used with belt conveyors

No dead plate (orthogonal layout)
Use of a dead plate can be eliminated for orthogonal layouts.
Compared to using a curved belt conveyor, a space and the number of motors can be reduced. And transfer adjustment in difference height at front and rear of the orthogonal conveyors are not required.

No. of motors: 3
Transfer adjustment in 2 sections

No. of motors: 2
Transfer adjustment in different height
Meet the needs of various conveying applications

Easy maintenance and enable partial chain repair
- Assembly/disassembly is possible using a flathead screwdriver.
- 50-mm and 100-mm width chains feature a slit pin specification that enables them to be easily assembled/disassembled. Chain widths longer than 100 mm use both chain pins and plugs.

Tab guide attachments to prevent meandering
- Tab guide attachment at the bottom the chain can prevent meandering.

Stable running
- Ensure stable running with toothed sprockets.
- Minimize the risk of slip caused by lubricants and cutting fluids.

Excellent sliding performance for smooth conveyance
- Features a low-friction property that enables both the smooth transfer of items between conveyors and the accumulation of conveyed items.
SWITCH TO
PLASTIC MODULAR CHAIN
For more efficient conveyance

Simple, lightweight, and easy-to-handle

Application.1

Food conveyor lines

WT0705-W
(New project)

Transfer from/to belt

Transfer with plastic modular chains

Examples of conveyed items

<table>
<thead>
<tr>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sliding performance</td>
</tr>
<tr>
<td>Straight transfer</td>
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</tbody>
</table>

* The exchange of product liability documentation is required in the case of applications where food comes into direct contact with chains.
Excellent performance in various industries

Application.2

**Mechanical component conveyors**

WT1506-K (Retrofit project)

<table>
<thead>
<tr>
<th>Highlights</th>
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</thead>
<tbody>
<tr>
<td><strong>Sliding performance</strong></td>
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<tr>
<td><strong>Maintenance</strong></td>
</tr>
<tr>
<td><strong>Stable running</strong></td>
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</tbody>
</table>

Before

After

Chain width 152.4 mm

Application.3

**Component assembly conveyors**

WT0705-W, WT1515-W (New project)

<table>
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<tr>
<td><strong>Straight transfer</strong></td>
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<tr>
<td><strong>Maintenance</strong></td>
</tr>
</tbody>
</table>

Two components are supplied separately and assembled on the conveyor line.

Chain width 100 mm

Small-pitch transfer unit (WT1515-W and WT0705-W shown in image)
Tsubaki’s recommended plastic modular chains

**WT0705-W**
Tsubaki’s small pitch chain (standard material)

- **Specifications**
  - Chain pitch: 7.5 mm
  - Chain width: From 50 mm (can be widened in 50-mm increments)
- **Materials**
  - LFG (low friction, wear-resistant)
  - ALF (Advanced-low friction, wear-resistant)
- **Recommended applications**
  - Head to tail layout with nose bars

**WT1515(G)-W WT1516-W**
Both 50-mm and 100-mm widths are available, enabling to design long-length conveyor with high strength

- **Specifications**
  - Chain pitch: 15 mm
  - Chain width: From 50 mm (can be widened in 50-mm increments)
- **Materials**
  - LFG (low friction, wear-resistant)
  - ALF (Advanced-low friction, wear-resistant)
- **Recommended applications**
  - Head to tail layout with nose bars

**WT0405-W**
High-functional plastic chain with PEEK resin

- **Specifications**
  - Chain pitch: 4.5 mm
  - Chain width: From 90 mm (can be widened in 45-mm increments)
- **Materials**
  - PK150 (heat-resistant, radiation-resistant, vacuum-resistant)
- **Recommended applications**
  - Head to tail layout with nose bars

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