Conveyor Chains, Modular Belts and Components
Global Manufacturing and Support

History

• Founded in 1985, System Plast™ is a global supplier of quality steel and plastic conveying chains, modular plastic belts, conveying components, custom machined plastic and mounted bearings.

• In 2005, System Plast acquired USA based Solus Innovations which offered the lead brands of Valu Guide® conveying components and Nolu® machined plastics.

• Acquired by Emerson in 2008, System Plast™ is now part of Power Transmission Solutions, a business unit of Emerson Industrial Automation and offers the broadest line of conveying components available.

Today

System Plast is a global leader in high quality steel and plastic conveyor chains, modular plastic belts, and industry leading conveying components with manufacturing and service centers located strategically around the world.

Continuous improvement remains a System Plast focus with a drive towards assisting customers achieve Sustainability while lowering their Total Cost of Ownership. Backed by extraordinary technological capabilities and resources, Emerson continues the System Plast culture of innovation in providing conveying components solutions for diverse material handling applications.

This brochure provides an overview of the many quality conveying solutions offered by System Plast. If by chance you don’t find your ideal selection, please contact your local System Plast sales office as custom engineered solutions are designed on a daily basis.
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## Conveying Chains, Modular Plastic Belts and Sprockets

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- ........................................................................................................... 23
System Plast™ offers a complete family of high quality steel chains for a variety of applications. Straight running and side-flexing models are available in multiple widths and steel types to accommodate a diverse range of conveying needs.

Multiple material types allow for varying strength and corrosion resistance:
- C45 carbon steel provides high mechanical strength in areas where corrosion protection is not required
- Standard 430 grade ferritic stainless steel offers affordable corrosion resistance and good mechanical strength
- Austenitic 304 grade stainless steel provides the best corrosion and acid resistance in our steel chain family. This is a non-magnetic steel featuring 18% chrome and 8% nickel
- Extra Plus 400 series high performance stainless steel provides excellent corrosion resistance and surface hardness making it ideal for high speed applications. Our Speed-Line models offer minimal gaps and excellent surface finish for optimum product stability.
- System Plast’s exclusive HB vacuum hardened pins are also available on select 400 series and Speed-Line models. HB pins provide unmatched wear characteristics creating exceptional chain life by minimizing chain stretch.

Most models are available in 3.25” to 7.5” widths for straight running or side-flexing applications.

A variety of side-flexing models are available depending on the type of retention method desired:
- Tab guide models are popular and offer a very secure retention method. Tabs bent outward left and right ride in the curve track and provide excellent guidance and secure chain retention.
- Bevel guide models offer retention via an 8° outward bevel. This bevel rides on the inner and outer curve tracks providing a secure retention of the chain.
- Magnetic retention models eliminate the bevel or tab design and are held in place via magnets embedded in a magnetic curve. This allows for easier curve cleaning and maintenance without disassembling the chain.

All of our steel chains are manufactured to high quality standards on fully automated machinery to provide tight tolerances, optimum performance and excellent surface finishes.
Recommended for extremely abrasive conditions or high load areas where increased chain strength is required

812, 815
Straight Running

Widths (\(\prime\)): 3.25, 4, 4.5, 6, 7.5
Materials: C 45 hardened steel, 400 and 304 series stainless steel

881
Side Flexing

Widths (\(\prime\)): 3.25, 4.5, 7.5
Materials: 304 series stainless steel

881MO
Speed-Line
Side Flexing

Widths (\(\prime\)): 3.25
Materials: 400 series stainless steel

815
Speed-Line
Straight Running

Widths (\(\prime\)): 3.25
Materials: 400 series stainless steel

881 TAB
Side Flexing

Widths (\(\prime\)): 3.25, 4.5, 7.5
Materials: 304 series stainless steel

881O
Side Flexing

Widths (\(\prime\)): 3.25, 4.5, 7.5
Materials: 400 series stainless steel

881M, 881MO
Side Flexing

Widths (\(\prime\)): 3.25, 4.5, 7.5
Materials: 400 series stainless steel

881O TAB
Side Flexing

Widths (\(\prime\)): 3.25, 4.5, 7.5
Materials: 400 series stainless steel
### Thermoplastic Solutions to Conveying Needs

**All chain materials are NOT created equal!**

System Plast™ gives you the options needed to make the right choice. Thermoplastic material choices, outlined in the chart below, offer solutions for many conveying needs. The New Generation™ (NG™) chain has become a star performer in the beverage industry due to its lower wear rate, lower friction, and lower noise levels. If you have any questions when selecting your chain or belt material, please contact our Application Engineering Group for assistance.

<table>
<thead>
<tr>
<th></th>
<th>LF</th>
<th>XPG</th>
<th>NG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Higher conveying speeds</strong></td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Typically beverage filling has higher conveying speeds. Higher speeds require specialized materials.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Coefficient of friction</strong></td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Low horsepower requirements such as small box conveyors can benefit from reduced chain drag.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Wear life</strong></td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Abrasive environments require chains with longer wear characteristics.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Reduced noise</strong></td>
<td>★</td>
<td>★★</td>
<td>★★★</td>
</tr>
<tr>
<td>Sound levels can be a health or safety problem in any conveying situation.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Higher operating temperatures</strong></td>
<td>★</td>
<td>★</td>
<td>★★★</td>
</tr>
</tbody>
</table>
| NG can be an alternative to steel chains in some hi-temp dry running applications such as shrink tunnels and dryers.
| Breaking load | ★★★         | ★★         | ★★          |
| Conveying applications involving heavy loads may need to move to stainless steel if mechanical limits are exceeded. |

- ★ Good
- ★★ Better
- ★★★ Best
Operating factors effect chain life.

System Plast™ conveyor chains are made to high quality and performance standards. Wear resistance, mechanical strength, operating temperature, coefficient of friction — all of these factors, and more, are considered when formulating a conveyor chain material. Based on laboratory research and extensive field experience, System Plast has developed an unprecedented range of chains that provide market leading performance.
System Plast™ offers an extensive line of quality plastic conveying chain and modular plastic belts to provide solutions for a variety of standard and challenging conveying needs. Multiple resin materials are offered and can be selected to best suit the application. Our New Generation™ (NG™) proprietary low friction resin provides a lower coefficient of friction than standard acetal materials. Its reduced friction characteristics enable it to run without lubrication in many conveying applications. This creates the opportunity for sustainable savings by reducing or eliminating plant water/dry lubrication systems in addition to enabling reductions in energy use and noise.

Plastic Conveying Chains are offered in multiple families with a variety of features that provide solutions for a wide range of conveying needs:
- Widths range from 3-1/4” up to 12” in our one-piece and two-piece families and are available in straight running or side-flexing versions depending on model.
- Side-Flexing chains are offered in standard tab retention, bevel retention or magnetic retention. Magnetic chain eliminates tabs & bevels thus providing easier curve cleaning and maintenance as disassembly is not required.
- Specialty models are also offered to provide solutions throughout the plant: Gripper Chain for bottle and can elevators; Low Back Pressure for reduced product accumulation pressure; Rubber Top for incline/decline product transport and Multiflex/Crate Conveyor chain for Dairy applications or crate conveyance.

Modular Plastic Belts provide the capability for wider conveying surfaces in addition to increased load ratings versus chain. Our broad offering of standard and heavy duty models provide a multitude of product conveying solutions:
- Imperial widths of 3” to 120” and metric width models from 85mm to 3400mm, depending on model, ensures global customer needs are met.
- Straight running and side-flexing variants provide application flexibility for total plant coverage.
- In addition to standard flat top versions specialty models such as Flush Grid, Rubber Top, and Low Back Pressure are offered to solve unique conveying needs.

Most models are available in multiple materials such as Low Friction (LF) acetal, Extra Performance (XPG) acetal, or our exclusive low friction New Generation™ (NG) resin. See pages 6-7 for more detailed information concerning material types.

High quality molded and/or machined sprockets in a variety of teeth and bores sizes are also offered for all conveying chain and modular plastic belt products.
Our broad offering of straight and side flexing chains provide conveying solutions for your entire plant needs.
LBP Chains
High Load Accumulation Areas

LBP 821, LBP 8257
Straight Running
Widths (*): 7.5, 10, 12
Materials: LFG

LBP 882 M
Side Flexing
Widths (*): 7.5, 10, 12
Materials: LFG

831 VG
Straight Running
Widths (*): 3.25
Materials: NGD

882M VG, 882 TAB VG
Side Flexing
Widths (*): 7.5, 10, 12
Materials: NGD

LBP 831
Straight Running
Widths (*): 3.25, 4.5
Materials: LFG

LBP 878 TAB
Side Flexing
Widths (*): 3.25
Materials: LFG

878 TAB VG
Side Flexing
Widths (*): 3.25
Materials: NGD

878 TAB GS
Side Flexing
Widths (*): 3.25
Materials: LFG NGG

LBP 882 TAB
Side Flexing
Widths (*): 3.75, 4.5, 7.5, 10, 12
Materials: LFG

LBP 2120, LBP 2251
Straight Running
Widths (*): 3.35 thru 134
Materials: LFG

879 TAB VG
Side Flexing
Widths (*): 3.25, 4.5
Materials: NGD

1873 GS
Side Flexing
Widths (*): 3.25, 4.5
Materials: LFG NGG

Rubber Top and Gripper Chains
Incline/Decline or Elevator needs
**Multiflex Chains**
Great for dairy industry applications

**Plate Top Chains**
Higher chain load than plastic models

**Crate Chains**
Ideal for plastic case or crate handling

**1700 Multiflex Chains**

**1701 TAB, 1701 TAB OP**
Multiflex Chains

**1702 Multiflex Chains**

**843, 863**
Straight Running

**843 Widths (**)**: 1, 1.25, 1.375, 1.4375, 2, 3.25
**863 Widths (**)**: 3.25, 4.5, 6, 7.5

**Materials**: LF, XPG, NG

**CC 600, CC 600 TAB**
Side Flexing

**CC 1400, CC 1400 TAB**
Side Flexing

**CC 1431 TAB**
Side Flexing

**1843, 1863**
Side Flexing

**1843 Widths (**)**: 1.25, 2
**1863 Width**: 2.25

**Materials**: LF, XPG, NG

**1873**
Side Flexing

**Widths (**)**: 2.25, 3.25, 4.5, 6, 7.5, 10, 12

**Materials**: LF, XPG, NG
Modular Belts & Chain Belts

1/2” Pitch, 2121 FT
Single & Modular Widths, Straight Running

Single Widths (*): 3, 3.25, 4.5, 6, 7.5
Modular Widths (*): 9 thru 120 (various)
Materials: LFG XPG NGG

3/4” Pitch, 2190 FT
Single & Modular Widths, Straight Running

Single Widths (*): 3, 3.25, 4.5, 6, 7.5
Modular Widths (*): 9 thru 120 (various)
Materials: LFG XPG NGG

3/4” Pitch, 2190 FG
Single & Modular Widths, Straight Running

Single Widths (*): 3, 3.25, 4.5, 6, 7.5
Modular Widths (*): 9 thru 120 (various)
Materials: LFG XPG NGG

1” Pitch, 2253 FT
Modular Widths, Straight Running

Modular Widths (*): 3 thru 120 (various)
Materials: LFB

1” Pitch, 2251 TAB Chain Belt
Side Flexing

Widths (*): 3.3, 4.5
Materials: LFG XPG NGG

1” Pitch, 2250 M Chain Belt
Side Flexing

Widths (*): 3.3
Materials: LFG XPG NGG

1” Pitch, 2252 FT/2252 FG
Modular Widths, Straight Running

Flat Top Widths (*): 9 thru 120 (various)
Flush Grid Widths (*): 3 thru 120 (various)
Materials: LFG XPG NGG

1” Pitch, 2250 TAB Chain Belt
Side Flexing

Widths (*): 3.3, 4.5
Materials: LFG XPG NGG
Modular plastic belts are offered in multiple pitches and widths for design flexibility. Imperial and metric varieties provide global solutions.

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Chain Belt</th>
<th>Side Flexing</th>
<th>Single &amp; Modular Widths, Straight Running</th>
<th>Modular Widths, Straight Running</th>
<th>Single &amp; Modular Widths, Straight Running</th>
<th>Modular Widths, Straight Running</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>2250 M</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2251 M</td>
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<td></td>
</tr>
<tr>
<td>1”</td>
<td>2260 M</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>2120 FT</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>2120 FG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>2122 FG</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>VG 2120</td>
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<td></td>
</tr>
<tr>
<td>1/2”</td>
<td>LBP 2120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1”</td>
<td>2250 FT</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Widths (‘):** 3.3, 4.5

**Materials:** LFG, XPG, NGG
Modular Belts & Sprockets

Additional metric width belts are shown below including the heavier duty 2251 series. A wide selection of molded or machined sprockets & idlers completes our offering.

**1” Pitch, 2250 FG**
Single & Modular Widths, Straight Running

- **Single Widths:** 83.8mm (3.30”)
- **Modular Widths:** 85mm thru 3400 (various)
- **Materials:** LFG XPG NGG

**1” Pitch, 2250 FT/FG**
Single & Modular Widths w/ Transfer Wing Straight Running

- **Single Widths:** 83.8mm (3.30”)
- **Modular Widths:** 85mm thru 3400 (various)
- **Materials:** LFG XPG NGG

**1” Pitch, VG 2250**
Single & Modular Widths, Straight Running

- **Modular Widths:** 85mm thru 2380 (various)
- **Materials:** LFG

**1” Pitch, 2251 FT**
Single & Modular Widths, Straight Running

- **Single Widths:** 83.8mm (3.30”)
- **Modular Widths:** 85mm thru 3400 (various)
- **Materials:** LFG XPG NGG

**1” Pitch, VG 2251**
Modular Widths, Straight Running

- **Modular Widths:** 85mm thru 2380 (various)
- **Materials:** LFG

**1” Pitch, 2251 LBP**
Single & Modular Widths, Straight Running

- **Single Widths:** 51mm (2”)
- **Modular Widths:** 85mm thru 3400 (various)
- **Materials:** LFG

**2” Pitch, RR2500**
Modular Widths, Straight Running

- **Modular Widths:** 9” thru 150” (various)
- **Materials:** PPG LFG

**Sprockets & Idlers**

- **Series:** Chain and Modular Belt
- **Materials:** White or Black Polyamide

**Idler Wheels**

- **Series:** Chain and Modular Belt
- **Materials:** White or Black Polyamide
What are Nolu® Plastics?

Nolu® plastics are System Plast™ exclusive compounds of UHMW and solid lubricants/unique ingredients. They provide reduced coefficients of friction while maintaining the characteristics of UHMW. Our featured materials are Nolu-S, Nolu-SR and Nolu-SX.

**Nolu-S**

*Features:*
- Extruded or machined
- Very low coefficient of friction - promotes material flow
- High impact strength
- Chemical resistant with minimal moisture absorption
- FDA & USDA approved ingredients
- Noise suppressant
- Easy to machine – most general power tools are sufficient

*Benefits:*
- Extends the life of mating surfaces
- Lowers mating surface scratching or damage
- Reduces energy consumption
- Minimizes product pulsation on conveyors
- Low noise operation

**Nolu-SR**

Nolu-SR has the same unique self-lubricating properties as Nolu-S, however, it also contains additional proprietary ingredients. These unique ingredients increase the hardness of the material, providing superior wear resistance as compared to standard UHMW. Benefits of Nolu-SR include high wear resistance, extended wear life, minimization of product pulsation and low noise.

*Features:*
- Extruded or machined
- Superior wear resistance – greater than standard virgin or repro material
- Low coefficient of friction - promotes material flow
- High impact strength
- Chemical resistant with minimal moisture absorption
- FDA & USDA approved ingredients
- Easy to machine – most general power tools are sufficient

*Benefits:*
- High wear resistance
- Extends the life of mating surfaces
- Lowers mating surface scratching or damage
- Reduces conveyor chain loads or damage
- Reduces energy consumption
- Reduces product pulsation on conveyors
- Low noise operation
- Suitable for running dry at higher speed

**Nolu-SX**

Nolu-SX has the same unique self-lubricating properties as Nolu-S, however, Nolu-SX has a material blend that reduces the thermal expansion characteristics of the material. The thermal expansion is reduced up to 40% compared to standard UHMW products, making it the ideal material for neck guides.

Nolu® Plastics should be stored at room temperature between 40°F (5°C) and 95°F (35°C) to prevent premature aging of the material. They should also be stored in a manner to prevent distortion. Regular cleaning is also recommended with warm water & soap agents with a pH value of 4.5 to 9.0. For more technical information regarding Nolu materials, please contact our Application Engineering Group.
System Plast™ offers one of the largest conveying component lines in the market featuring our exclusive Valu Guide® brand guide rail and accessories. Our extensive component offering provides all of the quality products needed to properly assemble, support and guide conveyor systems and products. Our almost limitless choice of innovative solutions make it possible to arrange conveying systems for the most diverse production requirements. Highlights of our offering include:

**Guide Rail** - Valu Guide guide rail features stainless steel sheaths and high quality inserts. Insert materials are available in multiple materials including UHMW, our exclusive low friction Nolu-S, and static dissipative UHMW. All materials are FDA and USDA accepted allowing for use in almost any application.

**Brackets and Positioning** - rail clamps, clips, plastic and metal guide rail brackets, knobs and cross blocks provide endless holding combinations. Our SpeedSet™ brackets also offer quicker size change adjustments.

**Corner Tracks & Wearstrips** – Our unique ValuTrac™ corner tracks are offered in 3 styles in addition to our custom magnetic tracks. Wear strips, bar caps, bar covers, and J-Leg wear products create the perfect run surface for long running chains and belts.

**Bead and Roller Guides** - Exclusive SpeedRail, SpeedRoll, BeadRail, and BeadWall low friction guide products enable improved product flow for merges and product lane dividers.

**Frame and Support Components** – threaded tube ends, levelers, vibration pads, bipods & tripods, post caps and side mount brackets provide strong structural support and adjustability.

**Mounted Bearings and Accessories** – Flange, pillow block, tapped and solid flange bearings for worry free operation.

**Rollers and return products** – Roll-Tech gravity conveyors, return rollers, roller end bearings, plus custom engineered plastic rollers provide versatile conveying capabilities.

**System Plast Custom Machined Plastics** – System Plast has an expert engineering and machining staff to design and produce high quality plastic products built to your specifications.

**ValuGuard™** - Custom Machine Guarding and Standard Enclosure Products can provide a cleaner or safer work environment.
Our ValuTrac™ and magnetic corner tracs provide industry leading features for conveyor curves in addition to unique material selections.

- **Turning Disks**
  - Materials: Polyamide

- **ValuTrac™**
  - Materials: Nolu-BR, Nolu-S, Nolu-SR

- **ValuTrac™ II and III**
  - Materials: Nolu-BR, Nolu-S, Nolu-SR

- **Magnetic Corner Tracks**
  - Materials: UHMW-PE, Nolu-S, Nolu-SR

- **Safe Transfer Modules**
  - Materials: UHMW-PE

- **Modular Transfer Plates**
  - Frame Materials: Acetal
  - Bead or Roller Materials: Acetal, Stainless Steel

- **Serpentine Chain Return Systems**
  - Component Materials: UHMW, Acetal, Stainless Steel

- **Chain Return Shoe**
  - Materials: Black Polyamide

- **Chain Guide Wear Strip**
  - Component Materials: Stainless Steel, Black Polyamide, Green UHMW
Our Valu Guide® products provide one of the largest selections of guide products available. Multiple material extrusions and unique roller guide products can also provide increased production throughput.

Valu Guide® Rails

Materials: UHMW, Nolu-S, Static Dissipating, PTFE hi-temp

Clips and Clamps

Materials: Stainless Steel, Polyamide, Acetal

Bar Caps and Covers

Materials: UHMW, Nolu-S, Nolu-SR, Static Dissipative

J-Legs and Wearstrips

Materials: UHMW, Nolu-S, Nolu-SR, Static Dissipating

Extrusions and Inserts

Extrusion Materials: Aluminum
Insert Materials: UHMW, Nolu-S, Nolu-SR, Static Dissipative

Bead and Roller Guides

Channel Materials: Aluminum, PVC
Bead or Roller Materials: Acetal

Flexible Roller Modules

Strap Materials: Polyamide
Bead or Roller Materials: Acetal

Flexible Roller Modules

Strap Materials: Polyamide
Bead or Roller Materials: Acetal

Side and Nose Plows

Materials: Acetal, Nolu-S
Multiple types and sizes of bracketry are offered to ensure design flexibility for a wide range of conveying needs. Our SpeedSet™ brackets also offer great time savings during product size changeovers.

<table>
<thead>
<tr>
<th>SpeedSet™ Brackets</th>
<th>Plastic Brackets</th>
<th>Metal Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td><strong>Materials:</strong> Polyamide Bracket, Stainless Steel Rod, PVC Push Knob</td>
<td><strong>Materials:</strong> Polyamide</td>
<td><strong>Materials:</strong> Stainless Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bracket Knobs</th>
<th>Bracket Spacers</th>
<th>Cross Blocks</th>
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<tr>
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<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td><strong>Materials:</strong> Polyamide</td>
<td><strong>Materials:</strong> Polyamide</td>
<td><strong>Materials:</strong> Polyamide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Round Tube Ends</th>
<th>Square Tube Ends</th>
<th>SaniStar Levelers</th>
</tr>
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<tbody>
<tr>
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<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
</tbody>
</table>
| **Materials:** Polyamide with Brass Insert | **Materials:** Polyamide with Brass Insert | **Base Materials:** Stainless Steel and Rubber  
**Stem Materials:** Stainless Steel |
Levelers are provided in a multitude of load capacities and material types including stainless steel. Structural post caps and mounting brackets provide strong and non-corroding frame support.

**Light Duty Levelers**
- **Base Materials:** Reinforced Polyamide

**Medium Duty Levelers**
- **Base Materials:** Reinforced Polyamide

**Heavy Duty Levelers**
- **Base Materials:** Reinforced Polyamide

**Solid Base Levelers**
- **Base Materials:** Reinforced Polyamide

**Socket Style Levelers**
- **Base Materials:** Reinforced Polyamide

**Solid Metal Base Levelers**
- **Base Materials:** Zinc plated or stainless steel

**Vibration Pads**
- **Materials:** Neoprene rubber or metal and rubber

**Post Caps**
- **Materials:** Polyamide

**Side Mounting Brackets**
- **Materials:** Polyamide
Multiple support base styles and a large assortment of handles and hinges are provided. Mini gravity roller conveyors plus standard and custom rollers complement the offering.

**Support Bases**
- Materials: Polyamide

**Ratchet Handles**
- Handle Materials: Polyamide
- Thread Materials: Black Oxide Coated Steel, Stainless Steel

**Handles and Hinges**
- Materials: Polyamide

**Roll-Tech Mini Conveyors**
- Side Channel Materials: Aluminum
- Roller Materials: Aluminum or Stainless Steel

**Return Rollers**
- Roller Materials: Green or Orange HDPE
- Cover Materials: Thermoplastic Rubber

**Rollers**
- Materials: PVC, Aluminum, UHMW, Stainless Steel, Carbon Steel, Urethane
Mounted Bearing Supports
Wide variety of wash down duty mounted bearing supports from ½” to 1 7/16”

Polyamide

Insert: AISI 52100, 400 Stainless Steel
Optional: End Cap and Back Seal

Nolu-Clean

Insert: AISI 52100, 400 Stainless Steel
Optional: End Cap and Back Seal

Stainless Steel

Insert: 400 Stainless Steel

Shaft Protector Bushing

Insert Materials: Nolu-S
Housings: Polyamide

Bearing Safety Caps

Materials: Polypropylene

Spherical and Self Aligning Bearings

Insert Materials: Nolu-S, UHMW
Housings: Carbon Steel or 304 Stainless Steel

Enclosure / Guard Systems

Standard and custom engineered high quality safety enclosures

ValuGuard™ Safety Enclosure Systems

Tube Material: Anodized Aluminum
Corner Material: Reinforced Polyamide

ValuGuard™ Machine Guarding

Tube Material: Stainless Steel or Aluminum
Corner Material: Aluminum or Polyamide
Keep your equipment and your business moving forward

The whole world is on the move today. Everything from people and products to ideas and information. That means business has to be on the move, as well. Power Transmission Solutions, a business of Emerson Industrial Automation, can help. We keep products and businesses moving forward. Whether it’s helping to make sure that packages arrive on time, roads are built, energy is produced, food and beverages are processed, or luggage arrives at airport baggage areas, our products and solutions help make the world go.

Online Tools
Our ePT EDGE® Online industry-leading consultative website offers quick, concise and complete access to a wide range of support services, including:

- Smart interchange
- Product literature
- EDGE JIT
- eLINK – a transaction tool for accessing data concerning:
  - Stock/price checks
  - Order entry
  - Quote center
  - Order status
  - Shopping list (favorites)
  - Stock/price checks
  - Order entry
  - Shopping list (favorites)
  - Order status
  - Shipment tracking

SysCalc Conveyor Calculation
The SysCalc program is a tool for conveyor designers to use to shorten the design process. This software was developed to simplify routine calculations and to give a guideline to the designer. It helps indicate whether the entered operating conditions or the layout is correct or if the expected service life of the chain is long enough. This enables a more efficient design process for the engineer.

Conveyor Solutions Calculator App
Compatible with tablet computers and smart phones, our Conveyor Solutions App allows quick calculations of cost reductions available from various choices of motors, drives and flat top conveyor chains. The App also provides the calculation of water/soap lubrication reductions as well as time savings from quick changeover guide rail brackets. Results are presented in kWh savings, annual cost savings, ROI, case throughput increase, and recaptured revenue.
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The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary, appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Emerson Power Transmission Corporation and its divisions with respect to the use of products and components is given in good faith and without charge, and Emerson assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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