Meat and Poultry Industry
Conveyor and Processing Belts

Habasit—Solutions in motion
Innovation and process improvements

Industrial food production, especially sensitive meat processing, requires advanced technology and equipment capable of coping with the major challenges of today: optimized processes and yield; compliance with the latest hygienic designs; as well as improved cleaning efficiency and machine utilization – all with the ultimate aim of providing safe food at reasonable costs. Conveyor belts play an important role in all these aspects, since they are in direct contact with unwrapped food during most of the manufacturing process.

With this in mind, Habasit has developed a broad range of conveyor and processing belts that allow customers to choose the best solution for every application. Habasit solutions comply with all applicable food contact legislation (FDA and EU) and in addition, several products meet NSF and USDA Meat & Poultry requirements.

Considering hygienic design principles for food conveyor and processing belts our top priority, Habasit products support HACCP concepts and safe food production, which means, quite simply, that we deliver tomorrow’s sanitation standards today.

With the focus on meat and poultry processing, Habasit has introduced unique solutions that provide substantial process improvements. Recent innovations include:

- **Habasit Cleandrive®** – proven features combined in a new belting category
- **The HyCLEAN product family** – the latest innovation within the HabasitLINK® Plastic modular Belt range, including a unique CIP (Cleaning-In-Place) system for efficient cleaning of plastic modular belts
- Oil- and fat-resistant HySAN® PVC coated belts
- Antimicrobial belts that provide an additional hurdle against the growth of micro-organisms
- New HabaSYNC® Timing Belt products with special coatings.

Habasit is the only belt supplier to manufacture and provide complete packages of different belting categories, as well as belting accessories like cleats, edge sealing, corrugated side walls, plastic side guards and guide rails, for all products within our portfolio.
Focus on meat and poultry processing
Whether for cutting, deboning, trimming, grading, dressing, breading, frying, cooling, weighing, slicing, portioning, shrinkwrapping, labeling or packaging, Habasit offers a complete range of belting solutions for all production processes in the meat and poultry industry.

We support your manufacturing processes
Habasit products support every stage of meat and poultry manufacture. Habasit food conveyor and processing belts are used in:

- Slaughtering
- Primary processing
- Further processing
- Sausage manufacturing
- Packaging
Process overview – Meat

Slaughtering

Primary processing

Further processing • Packaging
Sausage manufacturing

Packaging

Box and crate handling
Process overview – Poultry

Slaughtering • Primary processing

Further processing • Packaging
Habasit offers a broad variety of solutions allowing you to choose the ideal belting product for your specific meat processing application.

### HabasitLINK® Plastic Modular Belts

PP (Polypropylene)  
PE (Polyethylene)  
PA (Polyamide)  
POM (Polyoxymethylene)  
and various special materials and accessories.

### Fabric-based/coated conveyor belts

PVC coated belts  
TPU coated belts  
TPO coated belts  
Special coatings (e.g. antimicrobial) and a wide range of belting accessories.

### Habasit Cleandrive®

Extruded positive driven conveyor belts made of abrasion- and hydrolysis-resistant TPU, which can be combined with a comprehensive range of accessories.

### HabaSYNC® Timing Belts

Abrasion- and hydrolysis-resistant TPU with several special coatings and surface finishes for specific processing and packaging applications.

### Special solutions

#### HyCLEAN CIP

A modular, customized Cleaning-In-Place system for the reliable and efficient cleaning of plastic modular belts.

#### Gearmotors

For corrosive and aseptic applications and environments.

Please consult Habasit brochures and flyers: 4128, 4196, 4228, 4238, 4269, 4275 and Rossi brochure: 2003
Habasits belting solutions deliver improved efficiency in meat conveying and processing, and are designed to meet tomorrow’s sanitation standards today.

### Key features

#### HabasitLINK® Plastic Modular Belts
- Dynamic open hinges and oblong holes
- Various closed and open belt styles and embossings
- Unique HyCLEAN product family with patented design

#### Fabric-based/coated conveyor belts
- Abrasion- and hydrolysis-resistant coatings
- Antimicrobial TPU coatings
- Oil- and fat-resistant PVC
- Different surface embossings
- Accessories and edge sealing

#### Habasit Cleandrive® combines
- Closed homogeneous surface
- Continuous drive bars over entire belt width
- Longitudinal reinforcement
- Abrasion- and hydrolysis-resistant TPU

#### HabaSYNC® Timing Belts with
- Improved design and materials for wet and humid applications
- Ability to apply special coatings

#### HyCLEAN CIP system with
- Outside spray tube
- Idle spray bar with nozzles
- Edge cleaning nozzles

#### HyCLEAN gearmotors
- Available with two different surface protection packages
- Standard motor with surface protection
- Smooth stainless steel motor without fins

### Your benefits

- Easy cleaning and release of debris
- Good release and yield increase
- For reliable product handling, cutting, deboning, cooling, freezing, draining
- Up to 85% rod access and 100% hinge accessibility for improved cleaning efficiency

- Reliable performance and long belt service life
- Additional hurdle against growth of micro-organisms
- Superior lifetime in wet, oily and fatty applications
- Excellent chemical resistance

- No gaps or hinges
- Easy to clean
- No creep, dimensional stability
- Reliable sprocket engagement
- Excellent chemical resistance

- Precise positioning and conveying of goods
- Easy to clean surfaces
- Excellent chemical resistance
- Various surface finishes for specific tasks in application

- Cleans entire belt conveying side
- Cleans hinge area and reverse side, exactly when hinges are most open
- Cleans the belt edges and especially the rod head and retention system
- Fast and efficient cleaning and reduced water consumption

- Outstanding chemical resistance
- Highly protected surfaces
- Improved design for quick and efficient washing and sanitation
## Belt surfaces/styles (selection only)

<table>
<thead>
<tr>
<th>Plastic modular belts</th>
<th>Key features</th>
<th>Your benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Top 2” (M5060)</td>
<td>• 24” wide modules available • Dynamic open hinge • Strong link design • Broad range of accessories • NSF approved design</td>
<td>→ Less soiling and waste → Robust, reliable performance → Less link breakage → No trap for debris, easy to clean → Reduced downtime</td>
</tr>
<tr>
<td>Cone Top 2” (M5013)</td>
<td>• Solid plate with cone top structure • Dynamic open hinge • Strong link design</td>
<td>→ Easy release = limited soiling and waste → Robust, reliable performance → Good grip and exact product positioning</td>
</tr>
<tr>
<td>HyCLEAN Flat Top 2” (M5065)</td>
<td>• 24” wide modules • Extra-wide dynamic open hinge (6” inch pitch) • 85% rod exposure • NSF approved design</td>
<td>→ Wider links and fewer hinges → Fewer traps for food residues → Superior cleanability of reverse side and rod hinge area</td>
</tr>
<tr>
<td>Nub Top 2” (M5064)</td>
<td>• Dynamic open hinge • Nub top surface structure</td>
<td>→ Easy to clean design → Reduced surface contact with goods = easier release → Less waste and increased yield</td>
</tr>
<tr>
<td>Flat Top 1” (M2510)</td>
<td>• Dynamic open hinge • NSF approved design • Nub top structure available</td>
<td>→ Easy to clean → Reduced surface contact and better release of goods with structured surface → Less waste and increased yield</td>
</tr>
<tr>
<td>Flush Grid 1” (M2533)</td>
<td>• 35% open area • Open hinge design</td>
<td>→ Ideal for cooling and draining → Easy to clean</td>
</tr>
<tr>
<td>Radius Flush Grid 1” (M2540)</td>
<td>• 35% open area • Suitable for straight and radius applications</td>
<td>→ Excellent for cooling and draining → Easy to clean</td>
</tr>
<tr>
<td>Flat Top 0.5” (M1220)</td>
<td>• Open hinge design • Small pitch</td>
<td>→ Gentle and reliable handling of small goods → Small transfers between two conveyors</td>
</tr>
<tr>
<td>Micropitch (M0870)</td>
<td>• Dynamic open hinge • Smallest pitch with rod technology (0.3”)</td>
<td>→ Easy to clean → Smallest transfer between two conveyors → Nosebar diameter 7 mm</td>
</tr>
</tbody>
</table>
### Key features

**Habasit Cleandrive®**
- Extruded positive driven belts
- Reinforced with high-tech filaments
- Hydrolysis-resistant TPU
- NSF approved design

**Fabric based coated belts**
- Habasit TPU belts feature excellent abrasion- and chemical resistance
- Special material grades
  - Hydrolysis-resistant grades and belts with antimicrobial additives available
  - Non-adhesive and adhesive coatings
- Different colors and surface structures
- Reverse-side coating and edge sealing possible
- NSF approved products available
- High-grade PVC coatings for oily and fatty applications
- TPO coatings with excellent chemical resistance

### Your benefits

- Reliable tracking and hygienic design
- No creep, no elongation
- Less soiling and easy to clean
- Reliable performance even in wet/humid environments with frequent cleaning

### Round belts

**Habiblue**
- Extruded round belts, made of hydrolysis-resistant TPU in various diameters

### Timing belts

**HabaSYNC®**
- High-grade Habasit Timing Belts covered with cone top or other structures
- Hydrolysis- and abrasion-resistant TPU types available

### Your benefits

- Synchronous movement and precise positioning of goods
- Ideal for specific meat processing or packaging applications
## Application table

<table>
<thead>
<tr>
<th>HabasitLINK® Plastic Modular Belts</th>
</tr>
</thead>
<tbody>
<tr>
<td>M3860 Flat Top</td>
</tr>
<tr>
<td>M5290/93 Radius Spiral Z pitch</td>
</tr>
<tr>
<td>M5253 Radius Spiral Z pitch</td>
</tr>
<tr>
<td>M2585 Spiral Z pitch</td>
</tr>
<tr>
<td>M2514 Nub Top Straight 1&quot; pitch</td>
</tr>
<tr>
<td>M2510 Flat Top Straight 1&quot; pitch</td>
</tr>
<tr>
<td>M2533 Flush Grid Straight 1&quot; pitch</td>
</tr>
<tr>
<td>M2540 Radius Flush Grid</td>
</tr>
<tr>
<td>M5010 Flat Top Straight 2&quot; pitch</td>
</tr>
<tr>
<td>M5013 Cone Top Straight 2&quot; pitch</td>
</tr>
<tr>
<td>M5014 Nub Top Straight 2&quot; pitch</td>
</tr>
<tr>
<td>M5060 Flat Top Straight 2&quot; pitch</td>
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<tr>
<td>M5064 Nub Top Straight 2&quot; pitch</td>
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<tr>
<td>M5065 HyCLEAN Flat Top</td>
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<tr>
<td>2&quot; pitch</td>
</tr>
<tr>
<td>M5066 RadiustoGrid Spiral 2&quot; pitch</td>
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<tr>
<td>M5085 Flat Top Straight 2&quot; pitch</td>
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<tr>
<td>M5250 Flat Top Straight 2&quot; pitch</td>
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<tr>
<td>M5251 Flat Top Straight 2&quot; pitch</td>
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<tr>
<td>M5254 Flat Top Straight 2&quot; pitch</td>
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<tr>
<td>M5254 Nub Top Straight 2&quot; pitch</td>
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</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>Meat (Beef and Pork)</th>
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<tbody>
<tr>
<td>Slaughtering / Evisceration</td>
</tr>
<tr>
<td>Cutting lines / Deboning lines</td>
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<tr>
<td>Bone takeaway</td>
</tr>
<tr>
<td>High impact / Chute discharge</td>
</tr>
<tr>
<td>Trim lines / Dressing lines</td>
</tr>
<tr>
<td>Offal / Lung lines</td>
</tr>
<tr>
<td>Hide lines</td>
</tr>
<tr>
<td>Breading lines</td>
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<tr>
<td>Fryers</td>
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<tr>
<td>Cooling / Freezing (Spirals)</td>
</tr>
<tr>
<td>Hoofs / Shanks lines</td>
</tr>
<tr>
<td>General conveyance</td>
</tr>
<tr>
<td>Metal detector</td>
</tr>
<tr>
<td>Slicing</td>
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<tr>
<td>Packing lines</td>
</tr>
<tr>
<td>Check-weigher</td>
</tr>
<tr>
<td>Shrink wrapping</td>
</tr>
<tr>
<td>Box / Crate handling</td>
</tr>
<tr>
<td>Packaging</td>
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</tbody>
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<table>
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<tr>
<th>Poultry (Chicken and Turkey)</th>
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</thead>
<tbody>
<tr>
<td>Slaughtering / Evisceration</td>
</tr>
<tr>
<td>Skinning</td>
</tr>
<tr>
<td>Cut-up / Deboning / Trim lines</td>
</tr>
<tr>
<td>Chiller-discharge</td>
</tr>
<tr>
<td>Offal / Feather lines</td>
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<tr>
<td>Rehang / Bird accumulation</td>
</tr>
<tr>
<td>Breading lines</td>
</tr>
<tr>
<td>Grading</td>
</tr>
<tr>
<td>Cooling / Freezing (Spirals)</td>
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</table>

This application/belt matrix does not apply to be complete and shall serve as indication of potential solutions. For detailed material and belt selection please contact your local Habasit partner: www.habasit.com
<table>
<thead>
<tr>
<th>Plastic chains</th>
<th>KVP® Plastic Modular</th>
<th>Habasit conveyor belts</th>
<th>Habasit Cleandrive® Extruded positive driven belts</th>
<th>TPU Food belts</th>
<th>HySAN® PVC belts</th>
<th>Round belts</th>
<th>HabaSYNC® psychiatric</th>
<th>Timing belts</th>
<th>Plastic chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3200 Straight chain</td>
<td>C3210 TRadius chain</td>
<td>C3200 Flat Top</td>
<td>CT610-R</td>
<td>HDU620 CT</td>
<td>HDU620 ST</td>
<td>SM605 / CM605</td>
<td>C3210T</td>
<td>C32000</td>
<td></td>
</tr>
</tbody>
</table>
Comprehensive services are central to Habasit’s belting solution approach.

As committed partners to our customers, we are dedicated to sharing our knowledge and to providing full support.

**Comprehensive consulting and technical support**
Habasit offers the best consulting and technical support on the belting market. Everything revolves around our customers. Each affiliate has its own belting experts. The Habasit team proudly provides the highest levels of support and top quality products enjoyed by the global market for over 60 years.

**Assistance with belt selection and calculation**
We will select and calculate the most suitable belt for your specific application. You also may do this yourself with our state-of-the-art Habasit selection and calculation program “SeleCalc”. To order this program free of charge, simply call your nearest Habasit partner or contact: info@habasit.com.

**Fabrication, assembly and local installation services for quick reaction times**
We make belts endless or assemble modular belts or chains, either at our own locations or on-site directly on your machine or system. Habasit operates 33 affiliated companies worldwide, each with its own inventory, fabrication, assembly and service facilities. Together with our representative offices and numerous qualified distributors, we can react quickly, competently and reliably to satisfy all your demands.

**Customer training programs**
Habasit offers training programs and provides support tools to ensure optimal use of our products and to prolong their lifecycles. Training on fabrication, installation, assembly, maintenance and belt repair takes place at Habasit sites or at your location.

**Belt monitoring, inspections, analyses and process optimization proposals**
We organize and handle belt maintenance, inspections, analyses and surveys for your locations. On request we will also work with you to develop optimization proposals, e.g. to achieve added value from the machinery or process output.

**Design assistance for customized solutions**
Habasit believes in partnership. Our engineering team will work closely with your engineers on joint design developments, preferably from a very early stage. We particularly recommend this for projects involving new technologies or large-scale modifications and adaptations.
At Habasit, we listen to our customers, innovate continuously and deliver reliable solutions to meet your every need.

Customers come first
At Habasit we understand that our success depends on your success. This is why we offer solutions, not just products; partnership, not just sales.
Since our foundation in 1946, Habasit has brought this understanding of customer needs to life every day and for every application. That’s why we’re the No. 1 in belting today. Worldwide.

Committed to innovation
Habasit is strongly committed to the continuous development of innovative, value-added solutions. Over 3% of our staff are dedicated exclusively to R&D, and our annual investment in this area exceeds 8% of turnover.

Certified for quality
We deliver the highest quality standards not only in our products and solutions, but also in our employees’ daily work processes. Habasit AG is certified according to ISO 9001:2000.

Worldwide leading product range
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.

A selection of our product ranges:

- HabaFLOW®
  Fabric based conveyor and processing belts

- HabasitLINK®/KVP
  Plastic modular belts

- HabaDRIVE®
  Power transmission belts

- HabaSYNC®
  Timing belts

- HabaCHAIN®
  Chains (slat and conveyor chains)

- HabiPLAST®
  Profiles, Guides Wear strips

- Machine tapes
- Seamless belts
- Round belts

- Fabrication tools (joining tools)
- Gear reducers
- Gearmotors
- Motion control
- Electric motors

Worldwide support
Our extensive organization is ready to support you anywhere in the world. Engineering and emergency assistance, quotes and order status are just a phone call away. Wherever you are. Whenever you need us.

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