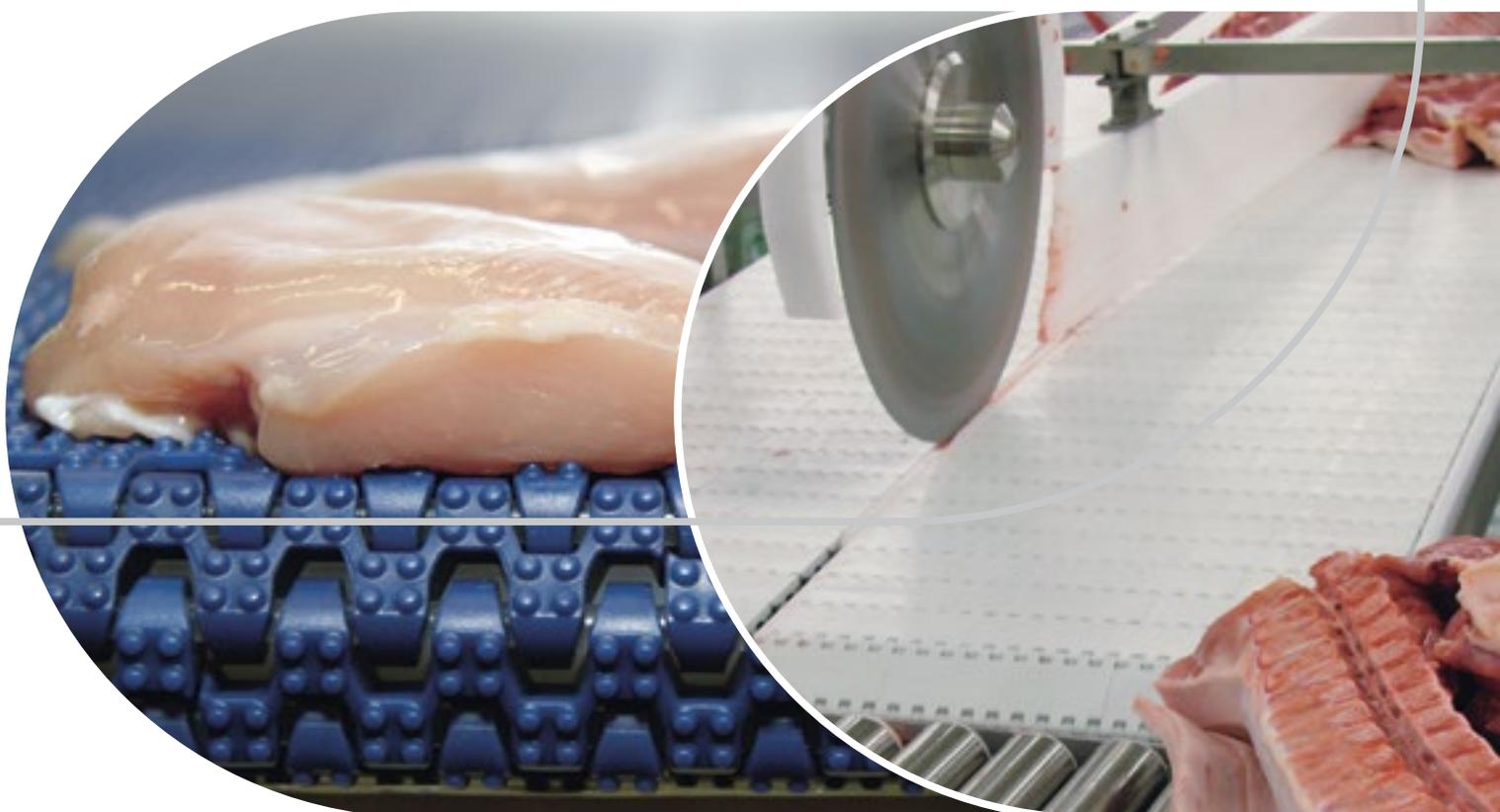


# Meat and Poultry Industry

## Conveyor and Processing Belts



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## Innovation and process improvements

Industrial food production, especially sensitive processes in the protein industry, requires advanced technologies and equipment able to cope with today's major challenges: optimizing efficiency, reducing downtime, higher yield demands, and hygiene and food legislation requirements. This equipment is also expected to improve cleaning efficiency and sanitation – all with the ultimate aim of providing safe food at a reasonable cost. Conveyor belts are a critical component of these requirements and standards 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 allows customers to choose the best solution for every application. Habasit solutions comply with all applicable food contact legislation (FDA and EU), and many of our products meet USDA Meat and Poultry requirements.

By utilizing HACCP hygienic design principles for food conveyor and processing belts, Habasit ensures safe food production and provides clean and efficient conveying for your food application.

Habasit is your comprehensive food belting resource for fabric, plastic modular, and chain products, also offering an extensive range of accessories for all belt types within our portfolio, such as cleats, edge sealing, corrugated sidewalls, plastic side guards and guide rails.

## Recent innovations include:

- **Habasit® Cleandrive** – with proven features combined into a new hygienic belting category
- The **HyCLEAN product family** and **Micropitch** – several products are supplied with Saniclip, the latest innovation within the **HabasitLINK® plastic modular belt range**
- The certified, prize-winning **HyCLEAN CIP** (Cleaning-In-Place) system for efficient cleaning of plastic modular belts
- UV-C resistant TPU coatings
- A unique, chemical and abrasion resistant Polyolefine (TPO) coating on our **Habasit® Cleanline Generation II** belts
- Oil and fat resistant **HySAN® PVC** coated belts
- **HabaSYNC®** timing belt products with special covers

## We support your manufacturing processes

Habasit offers a complete range of belting solutions to support every stage of meat and poultry processing: cutting, deboning, trimming, grading, dressing, breading, frying, cooling, weighing, slicing, portioning, shrink wrapping, labeling or packaging. Our food conveyor and processing belts have proven success in:

- Slaughtering
- Primary processing
- Further processing
- Freezing
- Sausage manufacturing
- Slicing
- Metal and X-ray detection
- Packaging

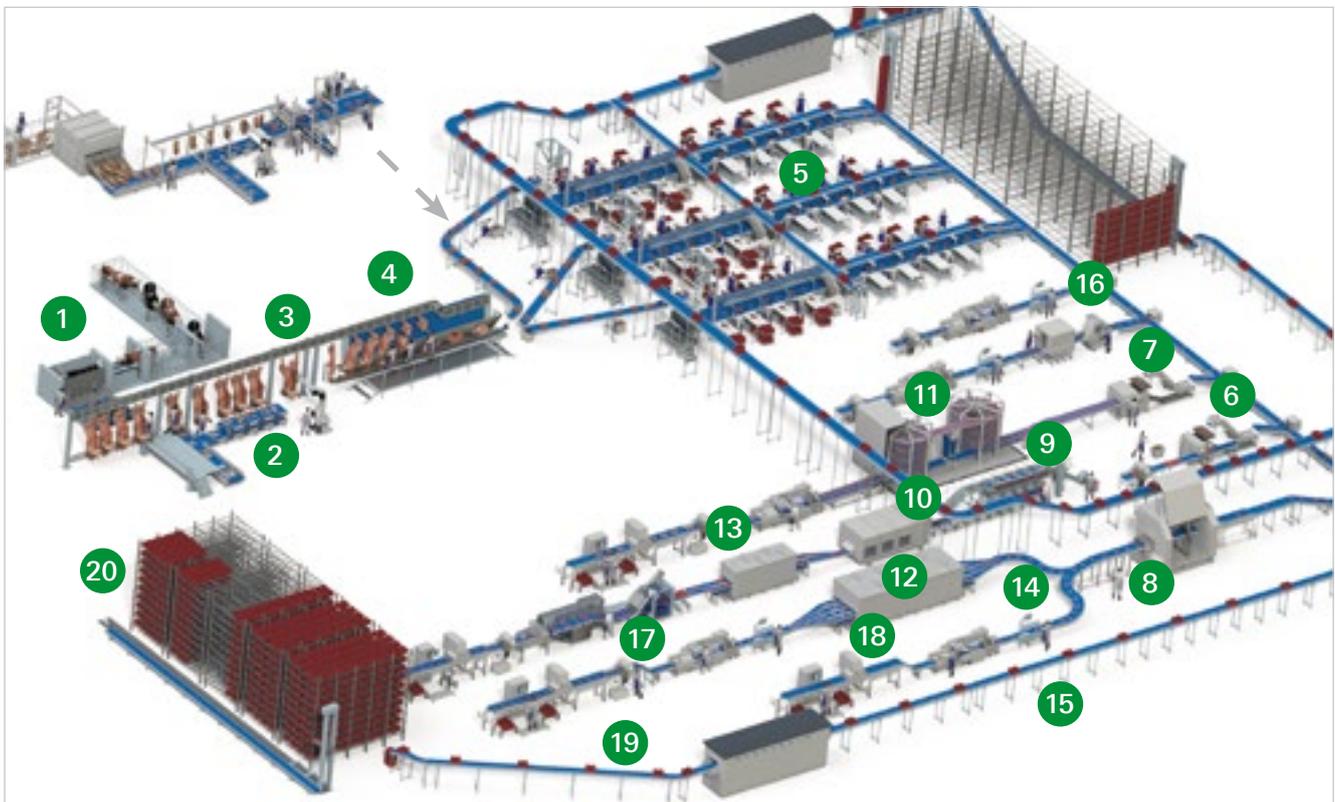


Regardless of whether you are a machine manufacturer for the protein industry or a meat processor, or whether you are highly specialized or rely on a broad product range, we have earned the industry-leading expertise to satisfy your application needs in all areas of food processing. From stunning to storage—we deliver the best in food-approved, lasting, and high-quality belting solutions!

No matter your challenges, we produce the optimal belt for all your application requirements, whether fabric-based belts, plastic modular belts, round belts or timing belts with food-approved materials and coatings.

## Red meat processing in detail

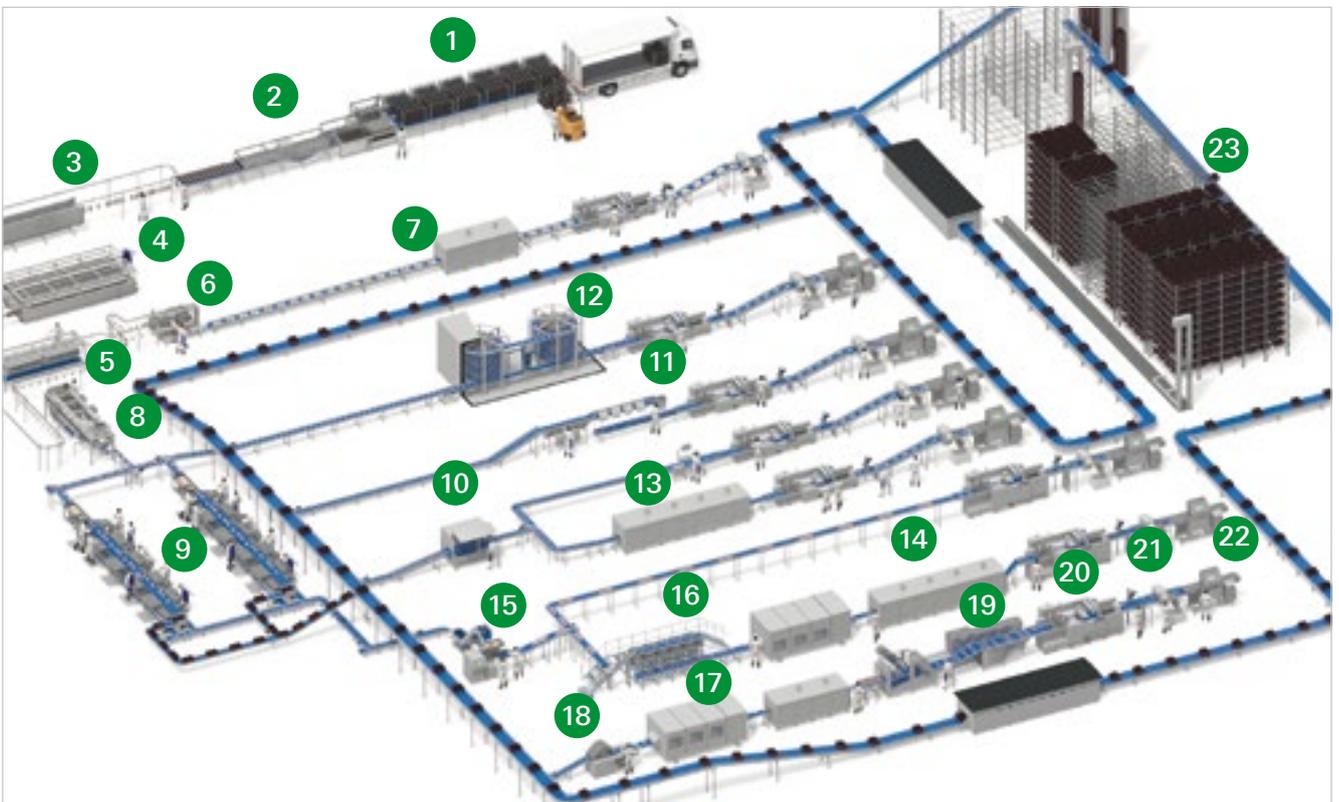
The graphic below maps out the many demanding steps of red meat processing, and for each subprocess, Habasit has designed a tailored belting solution for optimal performance.



- |                       |                   |                       |                           |
|-----------------------|-------------------|-----------------------|---------------------------|
| 1 Stunning            | 6 Mincing         | 11 Spiral freezing    | 16 Injection / marinating |
| 2 Paunch removal      | 7 Forming         | 12 Tunnel freezing    | 17 Metal detector         |
| 3 Evisceration        | 8 Portion cutting | 13 Slicing & packing  | 18 X-ray                  |
| 4 Primal cutting      | 9 Stuffing        | 14 Checkweigher       | 19 Box-conveyor           |
| 5 Deboning & trimming | 10 Cooking        | 15 Packing & labeling | 20 Storage & shipment     |

## Poultry processing in detail

From the cage to the warehouse, poultry processing presents both unique and familiar challenges, which we satisfy through the versatility and quality of our world-class product lines.



- |                      |                        |                    |                       |
|----------------------|------------------------|--------------------|-----------------------|
| 1 Cage handling      | 7 Giblets cooling line | 13 Tunnel freezing | 19 Slicing            |
| 2 Stunning           | 8 Cut up               | 14 Cooling         | 20 Packing & labeling |
| 3 Killing            | 9 Deboning & trimming  | 15 Mincing         | 21 Metal detector     |
| 4 Scalding           | 10 Portion cutting     | 16 Stuffing        | 22 X-ray              |
| 5 Feather plucker    | 11 Grader - batching   | 17 Oven            | 23 Storage & shipment |
| 6 Giblets harvesting | 12 Spiral freezing     | 18 Injection       |                       |

## Advantageous in numerous food applications

The modular belt is an aggregation of individual plastic modules (injection molded), which are connected by lateral rods. The bricklay pattern of modules creates a robust construction for reliable and efficient conveying.

Plastic modular belts eliminate the need for high-tension systems by positively engaging the sprocket with the running belt and maintaining proper belt tracking.

## Materials

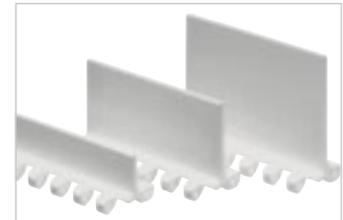
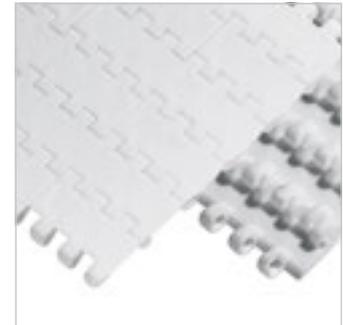
Habasit modular belts are available with a variety of state-of-the-art properties. We offer special food-approved materials, such as detectable, submersible, anti-microbial or cut-resistant materials. Additionally, Habasit produces modules for special impact as well as high and super-high temperature ranges.

## Sprockets and rods

Injection-molded sprockets have a specific open design that allows easy access for cleaning across the width of the conveyor shafts. Wear-resistant materials secure a long lifetime in all applications. The full-width rods ensure belt connection and lateral stiffness. HabasitLINK® modular belts come with two rod solutions, depending on the belt type: Smart Fit and Snap Fit.

## Accessories

A wide range of modular belt accessories including cleats, flights, scoops, side guards, finger transfer plates, and hold-down tabs for elevators with back bending (Z-conveyors), as well as HabiPLAST™ guide rails, ensures best-fitting belting solutions for your meat processing.



## Surface structures (selection only)



Flat Top



Cone Top



Nub Top



Flush Grid

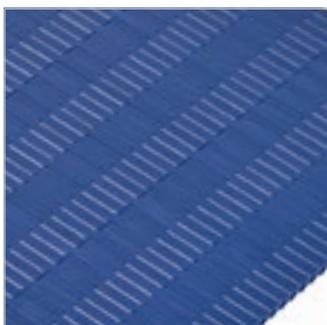


Mesh Top



Flush Grid NubTop

## Micropitch



### Key features

- Dynamic open hinge
- Smallest pitch (0.3") with rod technology

### Your benefit

- Easy to clean
- Smallest transfer between two conveyors; nosebar diameter 6 mm
- Available with different surface structures
- Habasit Saniclip available

## Straight belts



### Key features

- Numerous food-approved surfaces and materials, available in many dimensions
- Quick installation and easy maintenance
- Proven surface structures

### Your benefit

- Optimal product selection for all your application needs, from deboning to packaging
- Options for elevated temperature, proofing, cooling or freezing
- Food approved Accessories (flights, scoops, side walls, etc.) available
- Minimized downtime
- Good release and increase yield
- Easy cleaning

## Radius belts



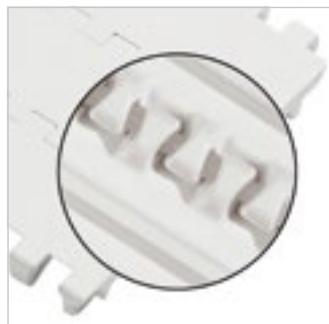
### Key features

- Numerous dimensions available, with food-approved surfaces and materials

### Your benefit

- Belts for curves and spiral systems of all sizes available
- Excellent for cooling or draining applications

## HyCLEAN



### Key features

- Extra-wide dynamic open hinge (6" pitch)
- 85% rod exposure
- Different pitch sizes available
- Optimised for HyCLEAN CIP system (see page 16)

### Your benefit

- Wider links and fewer hinges
- Fewer traps for food residues
- Superior cleanability of reverse side and rod hinge area
- Compatible with all applications
- Best cleaning results with minimized efforts

# Habasit Saniclip for HabasitLINK<sup>®</sup> plastic modular belts

The Habasit Saniclip is an innovative rod removal system designed for applications where frequent belt sanitation is required.

Habasit Saniclip has a tactile, non-slip surface for easy removal in wet or greasy environments. Multiple Habasit Saniclips can be installed on a single belt to allow an easy opening at several locations.

Users enjoy the following benefits:

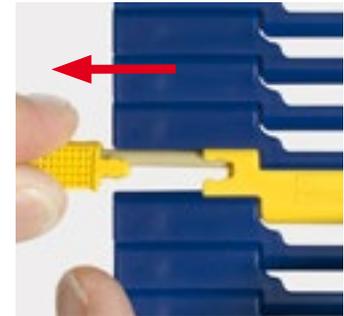
- Reduced downtime
- Instant extraction or installation
- Toolless design
- Non-slip surface for wet or greasy environments
- Availability in POM yellow or blue

## Extracted and reinstalled in seconds

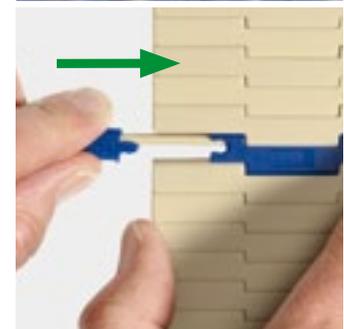
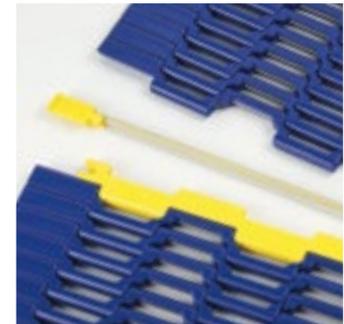
The Habasit Saniclip plug can be manually extracted and reinstalled directly by line operators in a matter of seconds, without any tools.



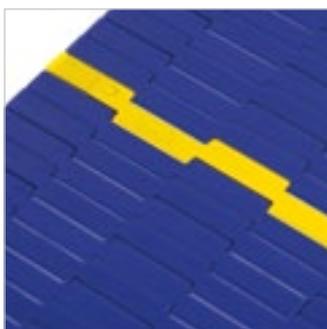
No tools needed



Extracted...



...and easily reinstalled



Key features	Your benefits
<ul style="list-style-type: none"> <li>• Provided with a safe, tactile feel, non-slip surface</li> </ul>	<ul style="list-style-type: none"> <li>• Works well even in wet and fatty environments</li> </ul>
<ul style="list-style-type: none"> <li>• Extracted and reinstalled directly by line operators</li> </ul>	<ul style="list-style-type: none"> <li>• Adjustable in seconds</li> <li>• No tooling required</li> </ul>
<ul style="list-style-type: none"> <li>• Plug and rod are interconnected as a single assembly</li> </ul>	<ul style="list-style-type: none"> <li>• Prevents the accidental loss of plug component</li> </ul>
<ul style="list-style-type: none"> <li>• Robust</li> </ul>	<ul style="list-style-type: none"> <li>• Easy manual extraction</li> </ul>
Available in <ul style="list-style-type: none"> <li>• POM yellow Saniclip with POM blue belts</li> <li>• PA blue Saniclip with PA beige belts</li> </ul>	<ul style="list-style-type: none"> <li>• Easy identification</li> </ul>
<ul style="list-style-type: none"> <li>• Multiple Saniclips can be installed along the belt length and at both edges</li> </ul>	<ul style="list-style-type: none"> <li>• Allows easy opening at several locations</li> </ul>

## Premium TPU belt material for food safety

While belts play a key role in many production processes, in the food industry, the hygiene properties of the belts used are absolutely crucial. For specific applications in hygiene-sensitive areas, Habasit has developed a brand new belt concept: the Habasit® Cleandrive conveyor and processing belt.

Habasit® Cleandrive features a totally smooth conveying surface combined with a reverse side structure of lateral drive bars, which provide a positive fit to the sprockets

High-quality thermoplastic material permits use in aggressive cleaning areas, while the closed surface limits the accumulation of waste and debris on the reverse side. The belt is designed to withstand the most demanding cleaning protocols and chemical agents, and to operate in a wide temperature spectrum: from low-temperature freezer in-feeds to high-temperature fryer out-feeds.

## Food safety

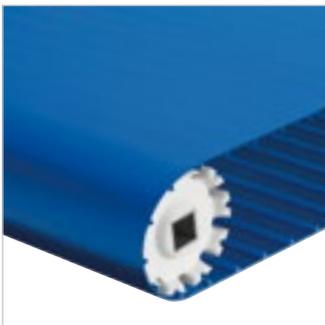
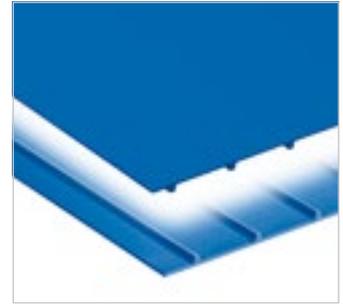
Habasit® Cleandrive belts meet the currently relevant EU and US food contact regulations and are certified by the Japan Food Research Laboratories (JFRL). For details, please contact your Habasit representative, or check our website for information on compliance with the respective food certificates (DoC). USDA Meat & Poultry and USDA Dairy approvals are available on some belt versions; please contact your Habasit representative.

## Monolithic belt design for hygiene

The fully extruded monolithic belt design of Habasit® Cleandrive belts is completely free of fabric members that could fray during use and pose a food safety risk. The solid-yet-flexible belt design is also free of the cavities, joining rods and crevices normally found in hinged belts, making Habasit® Cleandrive belts very easy to clean.

## Aramid reinforced belt design for performance

Longitudinal reinforcement using high-tech cords ensures a long-term belt stability in the application. The positive engagement of Habasit® Cleandrive creates energy savings, similar to plastic modular belt conveyors.



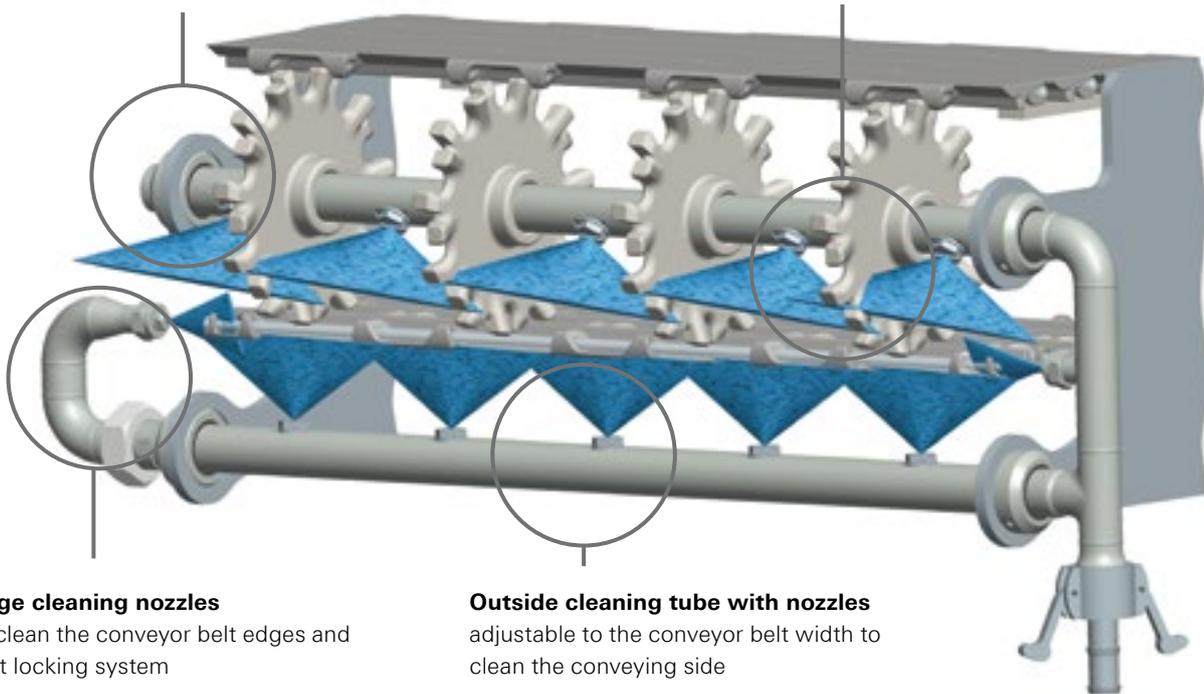
Key features	Your benefits
<ul style="list-style-type: none"> <li>• High-tech fiber as tensile member</li> </ul>	<ul style="list-style-type: none"> <li>• No belt creep at load</li> <li>• Constant belt dimensions</li> <li>• Good tracking behavior</li> </ul>
<ul style="list-style-type: none"> <li>• Homogeneous, closed, and smooth surface</li> </ul>	<ul style="list-style-type: none"> <li>• No traps or hinges to clamp product</li> <li>• Very easy and fast cleaning</li> <li>• Good product release</li> <li>• Increased yield and efficiency</li> </ul>
<ul style="list-style-type: none"> <li>• Good chemical resistance of thermoplastic material</li> </ul>	<ul style="list-style-type: none"> <li>• Cleaning agents cannot affect belt material</li> <li>• Reduced hygiene risks</li> <li>• Increased lifetime</li> </ul>

# HyCLEAN CIP for HabasitLINK® and Habasit® Cleandrive belts

The new HyCLEAN CIP (Cleaning In Place) system (patent pending) has been developed to satisfy the need for a modular, customized, economical automatic cleaning system for the complete and reliable sanitation of belts in hygiene-sensitive food processes.

**Spray shaft with sprockets and nozzles**, adjustable to the conveyor width – to clean inside-out at position where the dynamic open hinge opens

**Spraying pattern on spray shaft with nozzles** allows the overlapping water spray to clean over the whole belt width



**Edge cleaning nozzles**  
to clean the conveyor belt edges and belt locking system

**Outside cleaning tube with nozzles**  
adjustable to the conveyor belt width to clean the conveying side

The Habasit HyCLEAN CIP system was developed to innovate cleaning efficiency of belting products and enables the following proven benefits:

- Eliminates risks of manual cleaning procedures
- Supports hygienic processing and consumer safety
- Ensures reliable microbiological belt cleaning results
- Reduces downtimes, enables longer processing runs
- Lowers costs in terms of water and detergents
- Saves your employees' valuable time
- Enables attractive cost/value ratio – payback on average conveyor systems about one year
- Complies with hygienic design criteria

Summarized, the HyCLEAN CIP is an innovative tool for sustainable, hygienic food processing, supporting HACCP and other process quality management systems.



- Saves up to 70% water
- Improves cleaning efficiency
- Reduces chemical usage

## The right belt for every application

Habasit's conveyor belt selection includes hundreds of different belts to satisfy application requirements ranging from straight-inclined or declined operations, to accumulation and diverters, swan neck (Z) conveyors and numerous others. We offer a wide variety of fabrics and cover materials, as well as structural conveying- and running-side patterns to optimize your system's performance.

## Belt materials

The materials and designs are selected to cope with a broad range of application requirements, including resistance to wear or chemical agents, excellent release of sticky goods, and performance at high or low temperatures.

## Belt design

Habasit HabaFLOW® conveyor and processing belts are generally made of different layers, with tensile strength provided by synthetic fabric plies. These fabrics are connected by layers of thermoplastic materials. The material, thickness and texture of the conveying side depend on the function of the belt.

Cover coatings are mainly made of thermoplastic materials like TPU, TPO, PVC, Silicone, and elastomers – or feature a fabric surface. The running side is usually a fabric, often impregnated with a thermoplastic material, or with special wear-resistant PUR that provides a low and constant coefficient of friction. There are also pulley-side fabrics that feature special low-noise running capabilities.

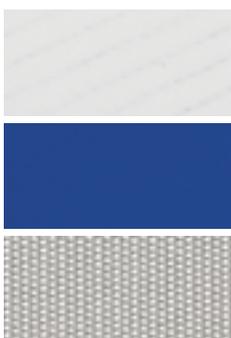
## Many accessories

Guides, cleats, sidewalls and edge sealing are common fabrication measures applied to conveyor and processing belts. While V-shaped profiles are mostly attached to the running side as guides, various cleat designs can be welded or bonded to the conveying side to ensure proper transport either horizontally or on an incline. Sidewalls positioned close to the edges of the belt stop loose goods from falling off. Edge sealing is a technique to improve the hygienic design of a coated food conveyor belt.

## Surface structure

A well-designed belt surface that supports the secure transport of the goods plays a key role in meeting each specific process step or function. Careful selection is essential in order to find the right belt for each conveying or processing application.

## Surface structures (selection only)



Blank, smooth white

Blank, smooth blue

Fabric surface



Waffle structure

Quadrillé (quadrangular) pattern/structure

Saw tooth profile structure



## Fabric-based food belts

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Wide range of surface types, structures, belt strengths and special features available</li> </ul>	<ul style="list-style-type: none"> <li>• Selection of the most suitable belt for specific applications like feeding, accumulation, releasing, metal detection, check weighing, etc.</li> </ul>
	<ul style="list-style-type: none"> <li>• Full compliance with food regulations such as FDA and USDA (US), EU Directive (Europe), etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Compliance with food safety regulations, especially for processing and packaging of sensitive goods</li> </ul>
	<ul style="list-style-type: none"> <li>• Excellent adoptability of special fabrications such as profiles, sidewalls, marking, tracking guide, edge sealing, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Fulfillment of technical requirements for applications like pick and place</li> <li>• Proper belt tracking</li> <li>• No contamination from stringing</li> </ul>

## TPU coated belts

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Abrasion and temperature resistant coatings</li> </ul>	<ul style="list-style-type: none"> <li>• Reliable performance</li> <li>• Long belt service life</li> <li>• Able to handle elevated temperatures (100° C)</li> </ul>
	<ul style="list-style-type: none"> <li>• Good chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Ability to clean with common food contact surface detergents</li> </ul>
	<ul style="list-style-type: none"> <li>• Homogeneous surfaces due to calander-coating technology</li> </ul>	<ul style="list-style-type: none"> <li>• Improved hygiene conditions</li> <li>• Good release of goods</li> </ul>

## TPO coated belts

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Non-polar surface</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent release of sticky products</li> <li>• Reduced waste in production</li> <li>• Yield increase</li> </ul>
	<ul style="list-style-type: none"> <li>• Excellent chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Increased lifetime in applications that require frequent cleaning</li> </ul>
	<ul style="list-style-type: none"> <li>• Unique belt carcass made of spun and knitted fabric</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced mechanical shrinkage</li> <li>• Wear resistant edges for reduced fraying</li> </ul>

## PVC coated belts

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Wide range of surface types, structures and belt strengths available</li> </ul>	<ul style="list-style-type: none"> <li>• Selection of the most suitable belt for specific applications like feeding, accumulation, general conveying, etc.</li> </ul>
	<ul style="list-style-type: none"> <li>• Stable modulus of elasticity after running-in</li> </ul>	<ul style="list-style-type: none"> <li>• No re-tensioning required and reduced downtime possible, leading to easy maintenance</li> </ul>
	<ul style="list-style-type: none"> <li>• Permanently antistatic belts available</li> </ul>	<ul style="list-style-type: none"> <li>• No interference with electronic devices</li> <li>• Less dust and dirt attraction</li> <li>• Process reliability</li> </ul>

## Silicone coated belts

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Easy release property of silicone-coated conveying side of the belt</li> </ul>	<ul style="list-style-type: none"> <li>• Easy release of delicate products and contaminated sticky residues, such as hot melt adhesive for flap sealing and labeling of cartons</li> </ul>
	<ul style="list-style-type: none"> <li>• Excellent high- and low-temperature resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable for high-temperature film packing applications such as overwrapping, shrink packaging, hot melt adhesive applications, etc.</li> </ul>
	<ul style="list-style-type: none"> <li>• Full compliance with food regulations for the selected belts such as FDA and USDA (US), EU Directive (Europe), etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Maintains the food safety required, especially for food packaging applications when necessary</li> </ul>

## Edge sealing: Extra safety for your applications



Improve your process hygiene and belt life time with high-quality edge sealing, which is available for many Habasit food belts. The thorough sealing of belt edges prevents water and contamination intrusion completely. and enables usage of fabric belts even in exigent surroundings.

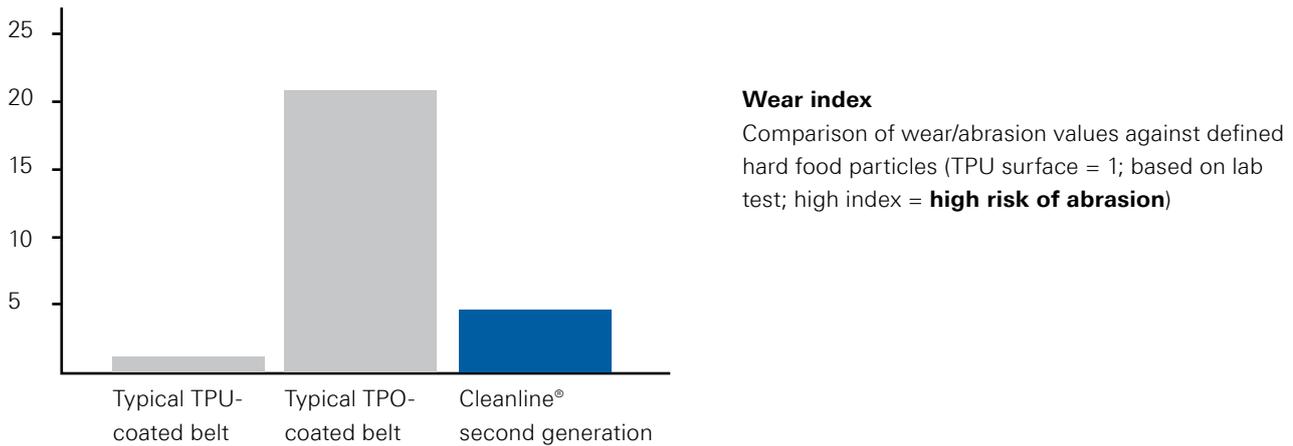
## A small supplement – with great effect

- Stops fraying– no release of single fibers
- Belt edges stay clean during belt lifetime
- Better resistance against cleaning agents
- No contamination caused by edge erosion
- No intrusion of oil, fat, water, impurities or even bacteria in between belt layers
- No friction-based shrinking
- Longer belt life – less maintenance

TPO-coated conveyor belts offer excellent release properties, which Habasit® Cleanlin® belts have been known for this since their introduction. The belts also offer very good flexibility, and were the first TPO-coated food belts with nosebar suitability. However, it became clear that over time, the belt surface quality suffered due to abrasion caused by hard particles or mechanical cleaning processes.

To address this issue, Habasit has modified the coating material used on Habasit® Cleanlin® Generation II belts in order to substantially improve wear resistance properties.

### Wear resistance test



The new surface quality keeps the release properties unchanged for a longer period of use, thus reducing the need for harsh cleaning methods. This is important because cleaning contributes greatly to premature wear of the belt surface – the key reason for losing release properties and the more intense cleaning that results.

Key features	Your benefits
• Improved abrasion resistance	• Suitable for hard or abrasive goods
• Outstanding release properties	• Ideal for very sticky goods • No residues from transported products
• Excellent surface quality	• Comparable to food industry stainless steel surfaces
• Superb chemical resistance	• Withstands chlorine for disinfection • Resists acidic and alkaline cleaning agents
• Exceptionally easy to clean	• Resistant to 90 °C hot water • Excellent dirt release
• Wide operating temperature range	• -40 up to 80 °C
• Hydrolysis resistance	• Suitable for warm and damp environments
• Nosebar suitable	• Permits smooth transfer of small products
• Wear-resistant belt edges	• Reduces fraying risk of fibres
• Tight-knitted bottom fabric	• Reduces risk of particle ingress and mechanical shrinkage of belt, leading to longer belt life
• Edge sealable	• Prevents swelling of tensile layer and belt delamination

## HabaSYNC® timing belts

For food production and packaging applications, we offer HabaSYNC® blue 90 Shore A polyether TPU timing belts with aramide cords. These belts are designed for the use in wet environments, where humidity, wash down and oily conditions can be found. For dry handling applications where oil and UV resistance is a must, a range of transparent 88 Shore A polyester TPU timing belts with aramide cords is available. All belts are available in the popular industry pitches (metric and imperial) and promoted to meet food screening and packaging process requirements.

## Covers

Habasit offers a broad selection of covers with good resistance to oils, acids and other conditions typically found in moving food-related products. Our covers are designed to cope with a wide variety of requirements and can thus guarantee reliable conveyance in every type of transport function and manufacturing application.

## Profiles and tracking guides

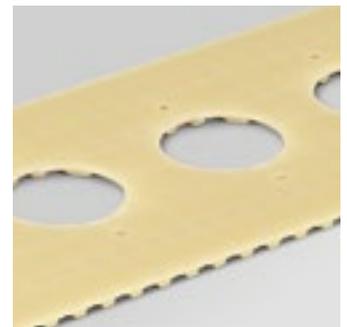
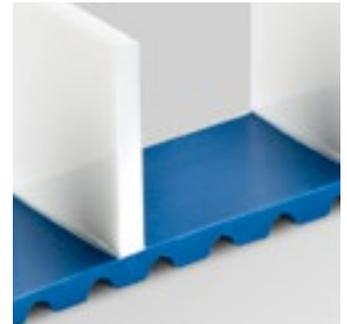
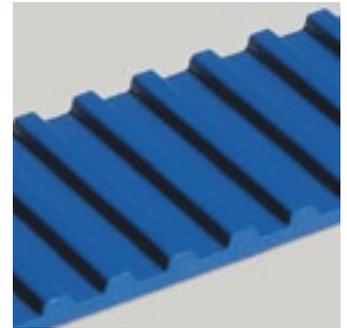
Profiles, added with thermal-bonding processes or mechanical attachment, allow unique positioning and adjustment. Thermoplastic profiles are made in several ways: extrusion, injection molding or machining. The choice of profile sourcing depends on the shapes, dimensions and quantities required.

## Fabrication

Modifications to the conveying and tooth sides of HabaSYNC® timing belts can enhance performance for your conveying and linear-positioning applications. Machine grinding or punching provide countless possibilities to adapt our timing belts to your specific application requirements.

## Accessories

Habasit provides the full range of integrated accessories required in the belt operating environment. Timing belt pulleys in metric and imperial pitches are customized to your specific design requirements. We can also offer mechanical clamping plates for linear positioning and vertical lifts.



## Selection of food approved covers



FAC-W / FAC-C

FAS / FAS-C

FAW / FAW-C



FAF

FSB-C

N5 Cone Top

## Timing belts for food applications



Key features	Your benefits
<ul style="list-style-type: none"> <li>Improved design</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for applications where exact positioning is required in slicing or packaging machines</li> </ul>
<ul style="list-style-type: none"> <li>Materials for wet and humid applications</li> <li>Hydrolysis and abrasion resistant TPU types available</li> </ul>	<ul style="list-style-type: none"> <li>High customization for specific requirements</li> <li>Ideal for specific meat processing</li> </ul>
<ul style="list-style-type: none"> <li>Ability to apply special coatings</li> </ul>	<ul style="list-style-type: none"> <li>Easy to clean surfaces</li> <li>Excellent chemical resistance</li> <li>Various surface finishes for specific tasks in application</li> </ul>
<ul style="list-style-type: none"> <li>Ease of on-site joining by specially designed joining press machine and hinge joint system</li> </ul>	<ul style="list-style-type: none"> <li>Enables belt installation and replacement without disassembling the machines, leading to reduced downtimes and costs</li> </ul>

## Wide timing belts for food applications



Key features	Your benefits
<ul style="list-style-type: none"> <li>Up to 600 mm width</li> </ul>	<ul style="list-style-type: none"> <li>Process optimization where several belts are located next to each other</li> </ul>
<ul style="list-style-type: none"> <li>Materials for food applications available</li> </ul>	<ul style="list-style-type: none"> <li>Ideal for specific processing steps</li> </ul>
<ul style="list-style-type: none"> <li>Ability to apply accessories and processing (like punching or milling)</li> </ul>	<ul style="list-style-type: none"> <li>Allows customizing according to specific needs</li> </ul>
<ul style="list-style-type: none"> <li>Polyamide coating on one or both sides available</li> </ul>	<ul style="list-style-type: none"> <li>Better abrasion resistance and lower friction for applications in packaging processes</li> </ul>

The HabaCHAIN® range offers world-class innovation and quality combined with excellent reliability and cost-efficiency. HabaCHAIN® products are available in both straight-running and radius/side-flexing versions, and run on most systems and sprockets on the market today. They are fully compatible with industry standards, making them ideal for retrofitting.

The chain elements are high-precision injection-molded single plastic parts or stainless steel (selected only) linked to each other with pins. These run engaged over sprockets and idlers on profile guides.

### Accessories

The accessories range includes: inserts to increase friction between product and chain, “bakery bends” for smooth lateral product transfer, stainless steel attachments, extended pins or half-round pushers, and much more.

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• High tensile strength</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces downtime while maximizing conveyor layout</li> </ul>
	<ul style="list-style-type: none"> <li>• Low-friction material available</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent for high-speed applications on various packaging machines</li> </ul>
	<ul style="list-style-type: none"> <li>• Bevel edges and high-friction inserts</li> </ul>	<ul style="list-style-type: none"> <li>• Product stability over multiple strand conveying, enabling unique product conveying solutions</li> </ul>
	<ul style="list-style-type: none"> <li>• Wide range of specialty materials available</li> </ul>	<ul style="list-style-type: none"> <li>• Coverage for all food and packaging application requirements</li> </ul>

## Habiblu round belts

Habiblu food-approved TPU round belts are ideal for conveying and processing where there is direct contact with foodstuffs. They provide excellent chemical and hydrolysis resistance, and high wear properties.

TPU round belts can be made endless directly on the machine by welding the ends. This allows easy installation and maintenance, with minimum downtime.

	Key features	Your benefits
	<ul style="list-style-type: none"> <li>• Excellent abrasion resistance and constant coefficient of friction</li> </ul>	<ul style="list-style-type: none"> <li>• Good for gentle handling of the conveyed products required by many packaging machines</li> </ul>
	<ul style="list-style-type: none"> <li>• Smooth surface of the belt</li> </ul>	<ul style="list-style-type: none"> <li>• Easy release of wrapping materials such as plastic film and foil, avoiding wrapping material sticking to the belt</li> </ul>
	<ul style="list-style-type: none"> <li>• Excellent oil resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Good for continuous use of the belt even when oily foodstuffs are conveyed for packaging</li> </ul>
	<ul style="list-style-type: none"> <li>• Simple, fast and adhesive-free joining method (quick melt)</li> </ul>	<ul style="list-style-type: none"> <li>• Easy handling of belt replacement without disassembling the packaging machine, enabling machine downtime to be dramatically reduced</li> </ul>

Application / Product Range	HabasitLINK® Plastic modular belts																		
	Micropitch			0.5" pitch						1" pitch									
	M0870 Flat Top	M0885 Flush Grid	M0876 Flat Top Diamond	M1065 Flat Top Hyclean	M1185 Flush Grid	M1220 Flat Top	M1233 Flush Grid	M1234 Nub Top Flush Grid	SM605 Smooth Mesh	HDS605ST Solid Top	CM605 Curved Mesh	M2510 Flat Top	M2514 Nub Top	M2533 Flush Grid	M2540 Radius Flush Grid	M2544 Tight Radius	M2585 Flush Grid	M2586 Flush Grid	F52 Flat Wire
<p>This application/belt matrix does not claim to be complete and serves only as an indication of potential solutions.</p> <p>For detailed material and belt selection, please contact your local Habasit partner or visit: <a href="http://www.habasit.com">www.habasit.com</a></p>																			
Meat (Beef and Pork)																			
Stunning																			
Paunch removal																			
Evisceration																			
Primal cutting																			
Deboning & trimming																			
Mincing				●					●	●		●							
Forming			●	●		●			●	●	●	●							
Portion cutting										●		●							
Stuffing				●						●		●							
Cooking										●		●		●				●	
Spiral freezing															●	●			
Tunnel freezing								●					●	●			●	●	
Slicing & packing	●																		
Checkweigher	●	●			●		●	●						●					
Packing & labeling	●			●	●											●	●	●	
Injection / marinating										●		●							
Metal detector										●		●		●	●				
X-ray	●					●	●			●		●		●	●				
Box-conveyor													●	●	●				
Storage & shipment						●	●						●	●	●				



Application / Product Range	HabasitLINK® Plastic modular belts																		
	Micropitch			0.5" pitch						1" pitch									
	M0870 Flat Top	M0885 Flush Grid	M0876 Flat Top Diamond	M1065 Flat Top HyCLEAN	M1185 Flush Grid	M1220 Flat Top	M1233 Flush Grid	M1234 Nub Top Flush Grid	SM605 Smooth Mesh	HDS605ST Solid Top	CM605 Curved Mesh	M2510 Flat Top	M2514 Nub Top	M2533 Flush Grid	M2540 Radius Flush Grid	M2544 Tight Radius	M2585 Flush Grid	M2586 Flush Grid	F52 Flat Wire
<p>This application/belt matrix does not claim to be complete and serves only as an indication of potential solutions.</p> <p>For detailed material and belt selection, please contact your local Habasit partner or visit: <a href="http://www.habasit.com">www.habasit.com</a></p>																			
Poultry (Chicken and Turkey)																			
Cage handling																			
Stunning																			
Killing																			
Scalding																			
Feather plucker																			
Giblets harvesting																			
Giblets cooling line								●								●	●	●	
Cut up																			
Deboning & trimming																			
Portion cutting																			
Grader - batching																			
Spiral freezing														●	●				
Tunnel freezing							●	●				●							
Cooling													●			●	●		
Mincing				●							●								
Stuffing																			
Oven													●			●	●	●	
Injection																			
Slicing	●																		
Packing & labeling	●	●	●																
Metal detector																			
X-ray	●																		
Storage & shipment						●	●						●	●	●				

		Habasit® Cleandrive Monolithic belts										HabaFLOW® Fabric belts															
1.5" 2" pitch		2.5"																									
M3840 Radius Flush Grid	M5010 Flat Top	M5011 Mesh Top	M5013 Cone Top	M5014 Nub Top	M5033 Flush Grid	M5060 Flat Top	M5064 Nub Top	M5065 Flat Top Hyclean	M5290 Radius Flush Grid	M5293 Tight Radius	HDU620FT Flat Top	M6360 Flat Top	CD M25	CD M50	CD FD3	CD FD2	Standard Food (PES) TPU	UV-C stabilized TPU	Elastic TPU belts	Polyolefin (TPO)	Standard Food PVC	HYSAN® PVC belts	Silicone coated belts	HabaSYNC® Timing belts	HabaCHAIN® Plastic chains	Habiblu® Round belts	
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## Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



## Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



## Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at [selecalc.habasit.com](http://selecalc.habasit.com).



## Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



## Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



## Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



## Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



### Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

### 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 9001:2015.



### Worldwide leading product range

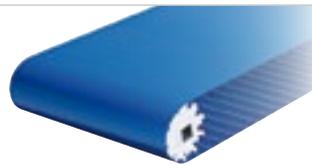
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



**HabaFLOW®**  
Fabric-based conveyor and processing belts



**HabasitLINK®**  
Plastic modular belts



**Habasit® Cleandrive**  
Monolithic reinforced conveyor belts



**HabaDRIVE®**  
Power transmission belts



**HabaSYNC®**  
Timing belts



**HabasitCHAIN®**  
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



**HabiPLAST**  
Profiles, Guides, Wear strips



**Accessories**  
(sprockets, flights, welding profiles, etc.)



**Fabrication tools**  
(joining, cutting & preparing devices)

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