

# 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 and 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 hygienic belting category
- The **HyCLEAN product family** – the latest innovation within the **HabasitLINK® plastic modular belt range**, including a certified and awarded 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 covers

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.

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## Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.



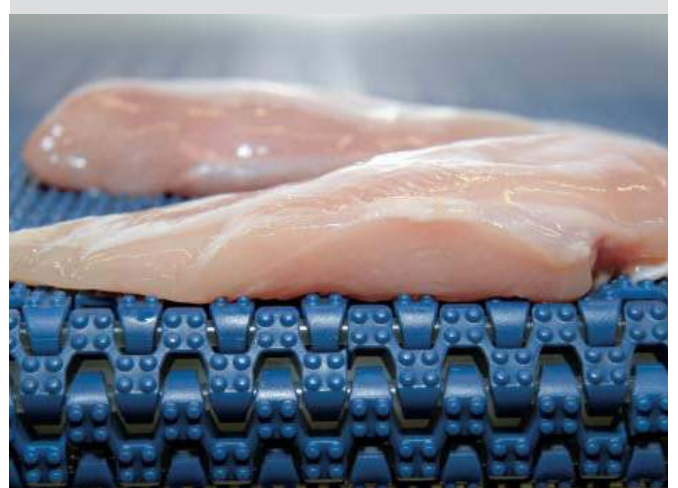
## Focus on meat and poultry processing

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

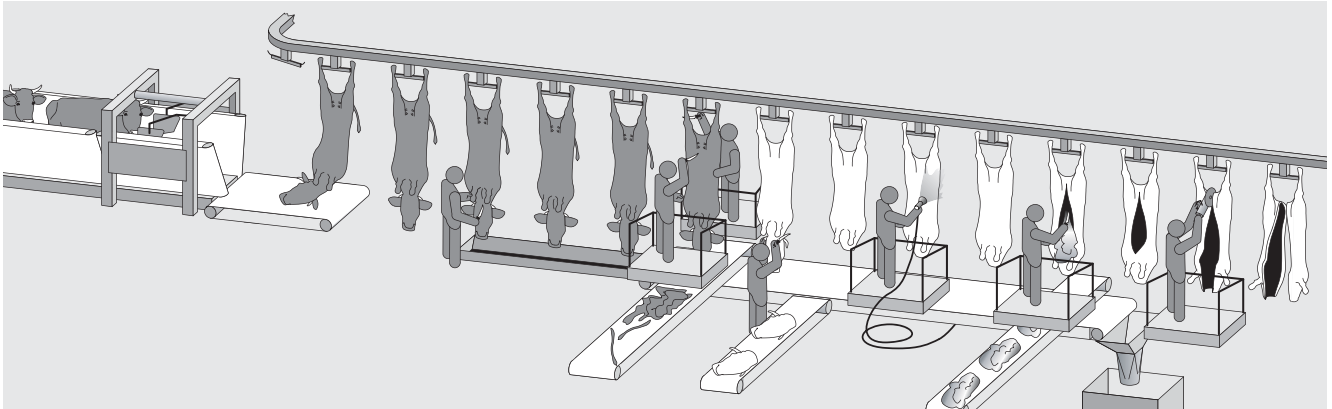
Habasit products support every stage of meat and poultry manufacture. Habasit food conveyor and processing belts are used in:

- Slaughtering
- Primary processing
- Further processing
- Sausage manufacturing
- Packaging

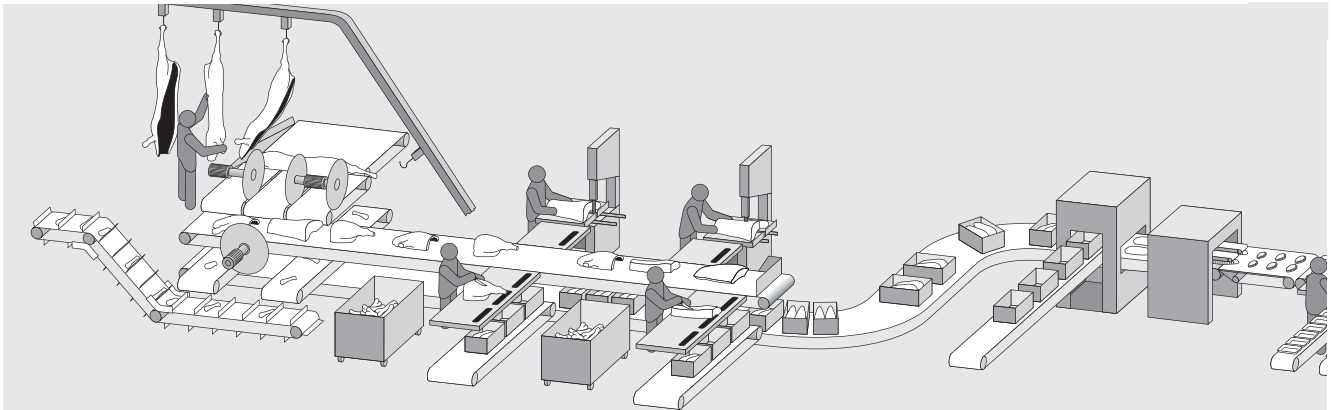




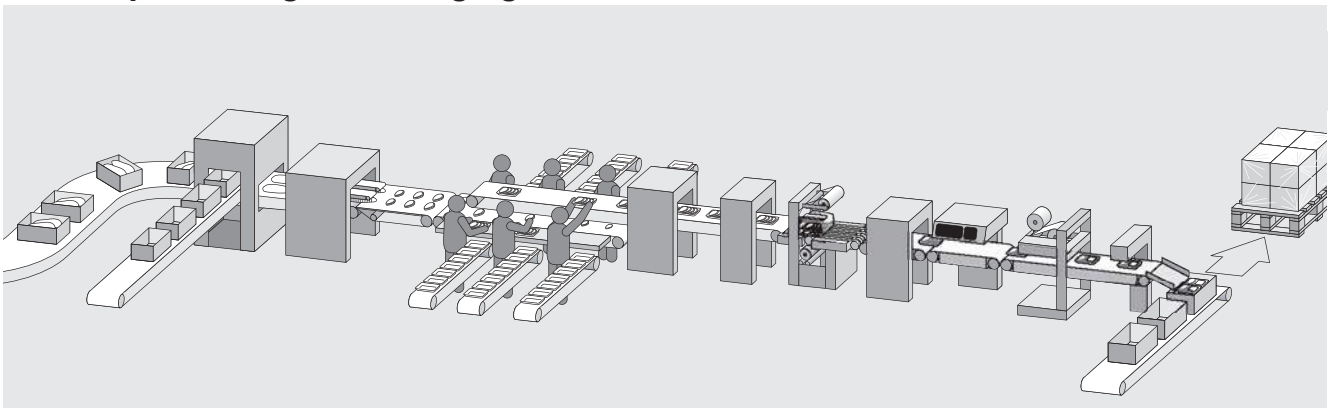
## Slaughtering



## Primary processing



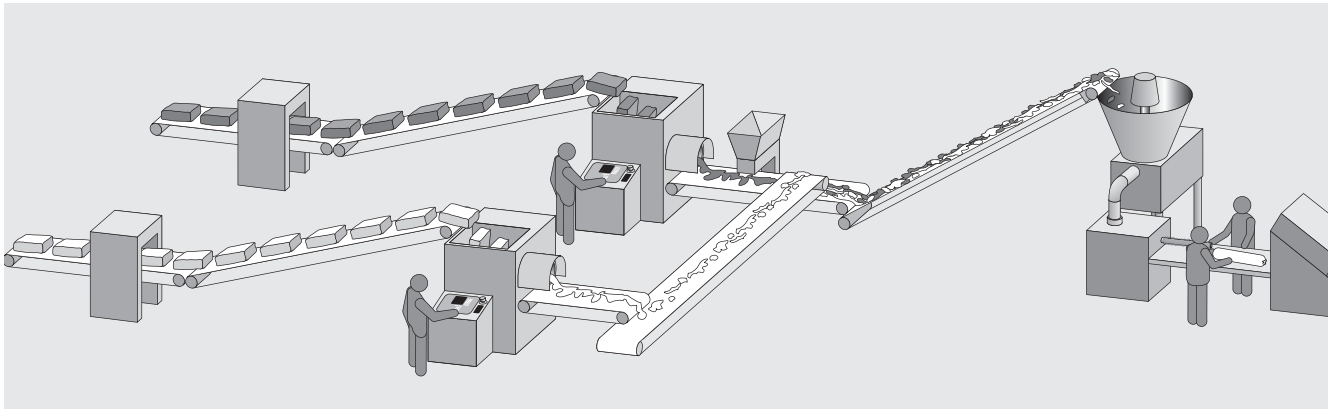
## Further processing • Packaging



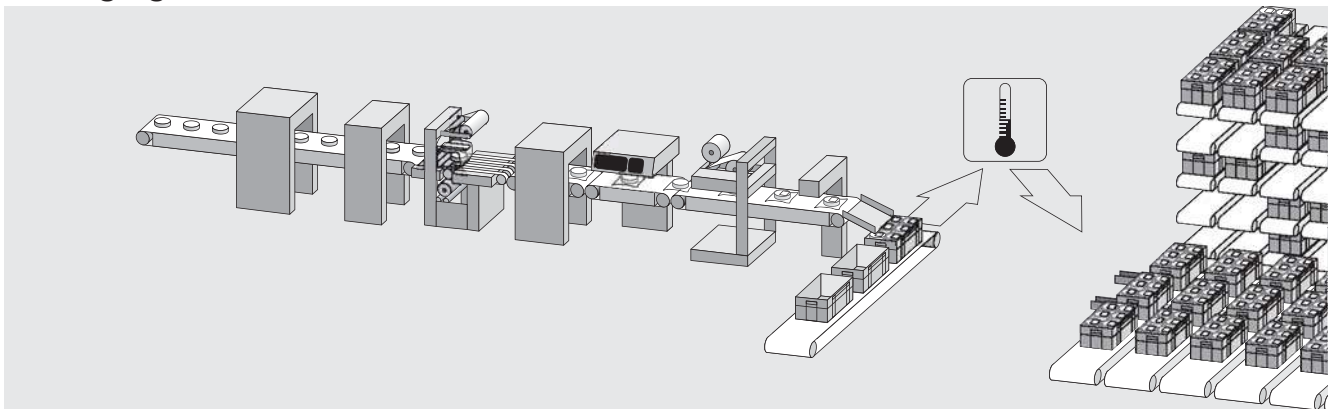




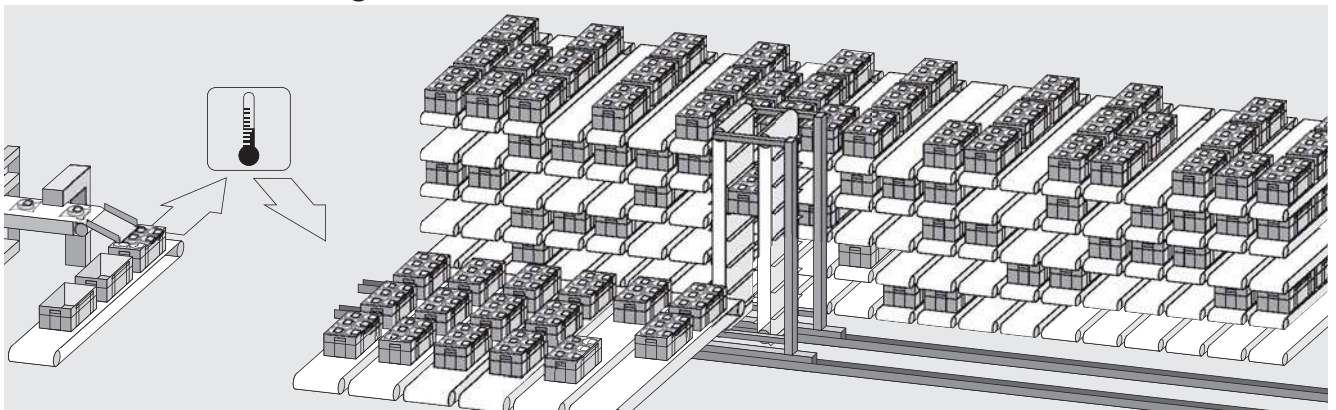
### Sausage manufacturing



### Packaging

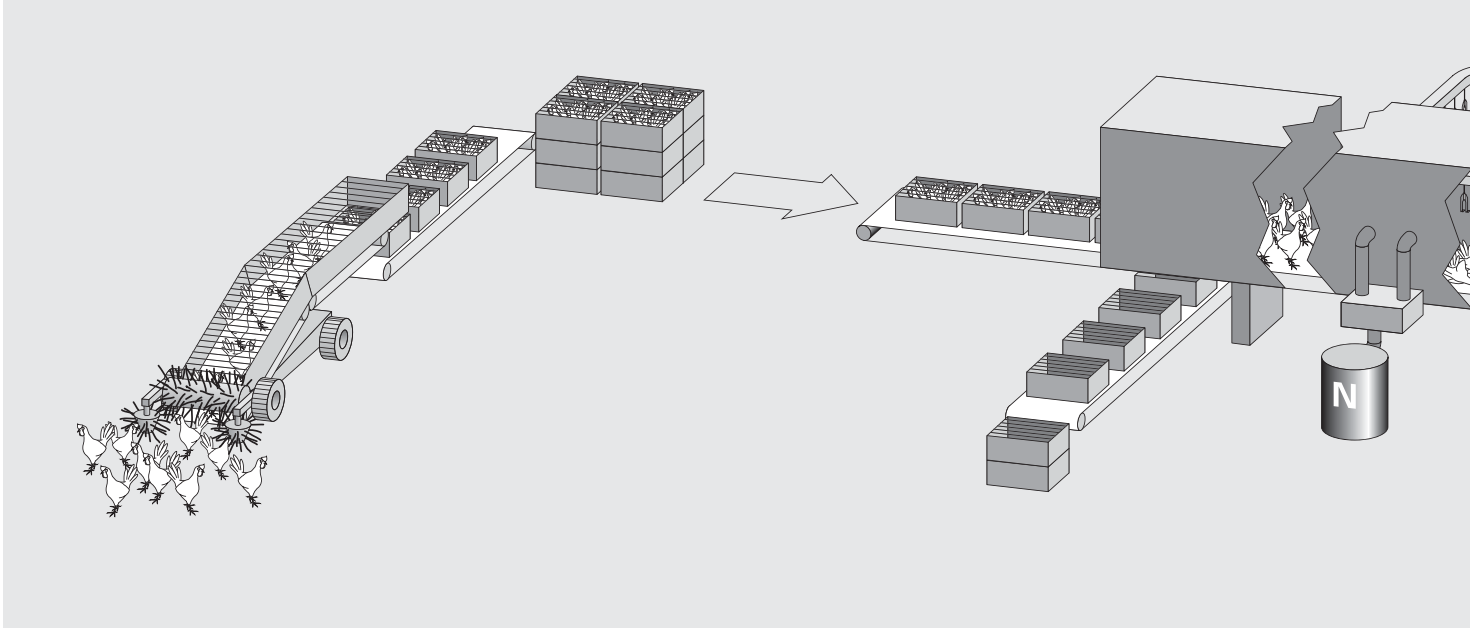


### Box and crate handling

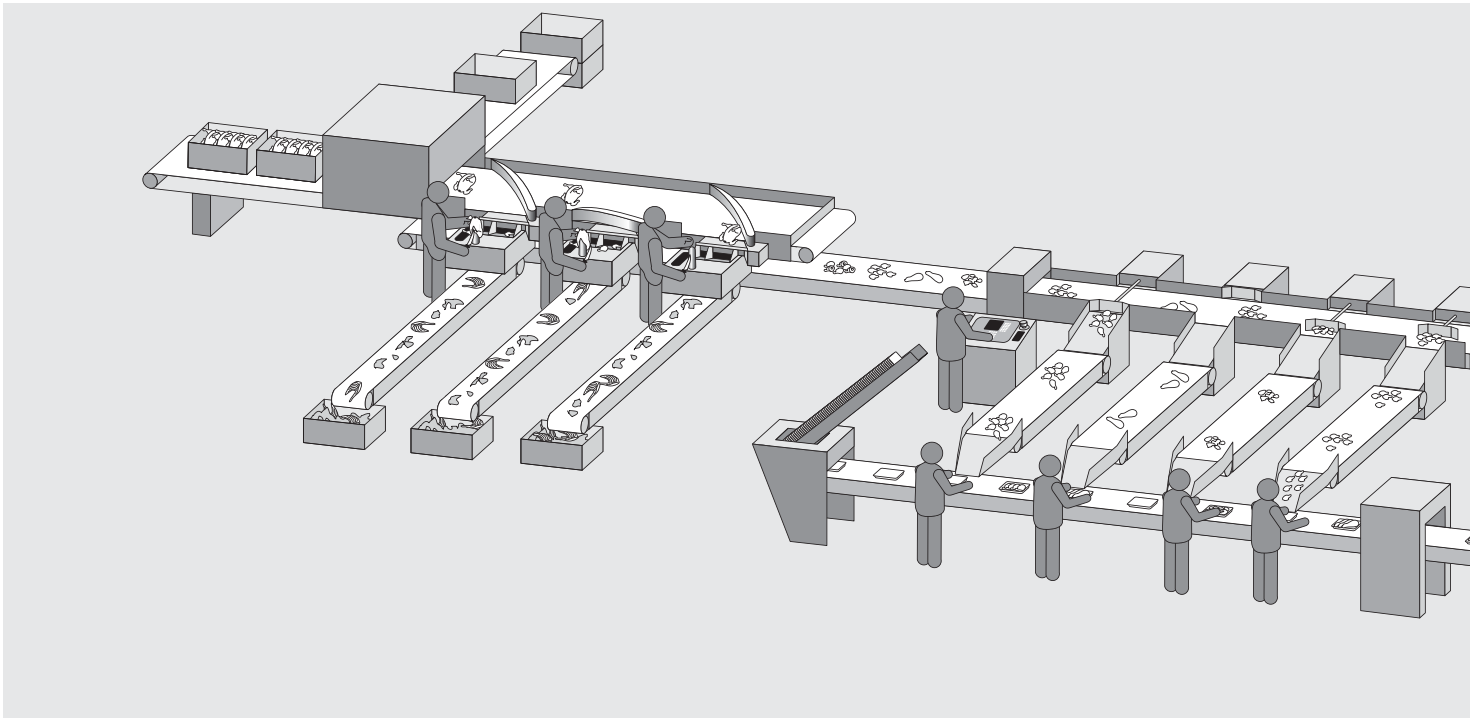


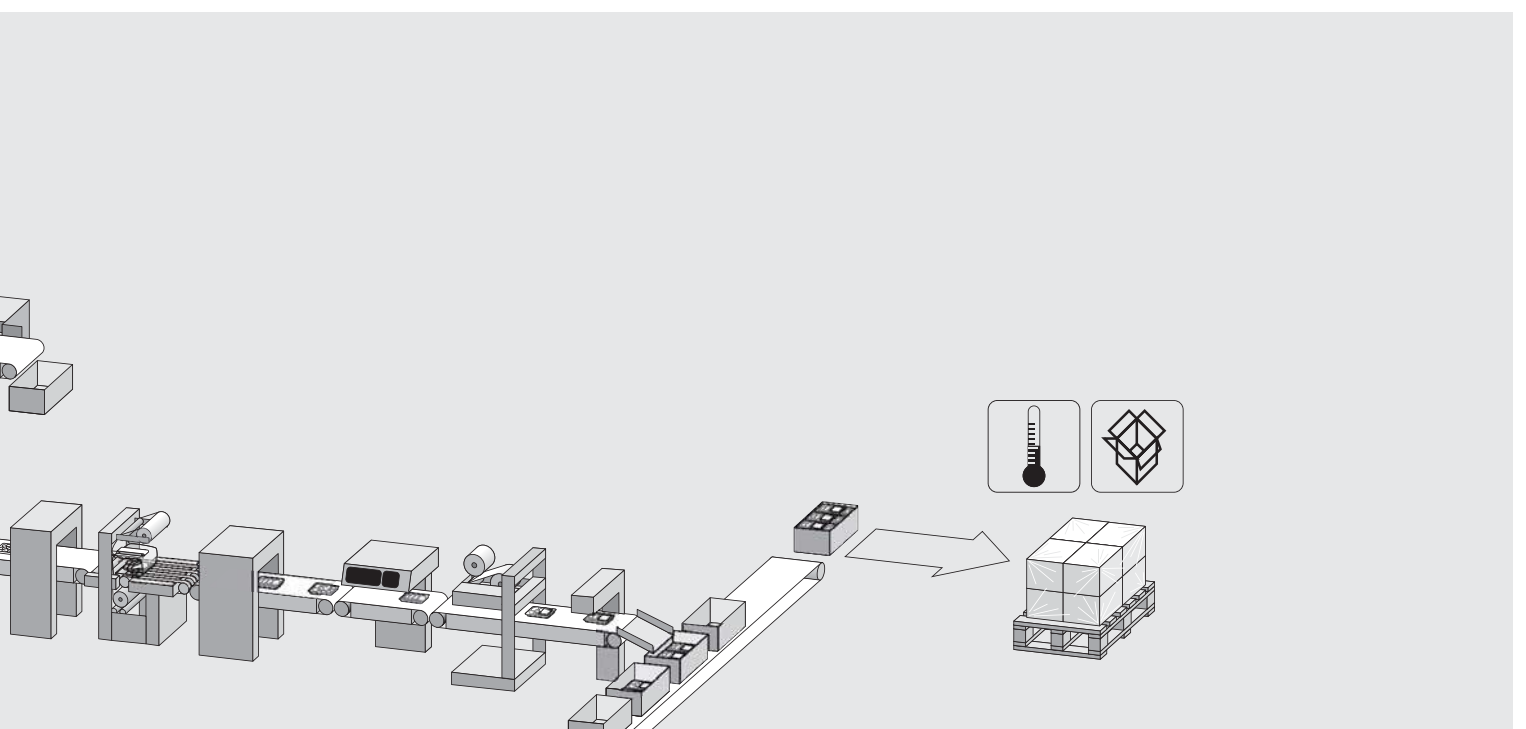
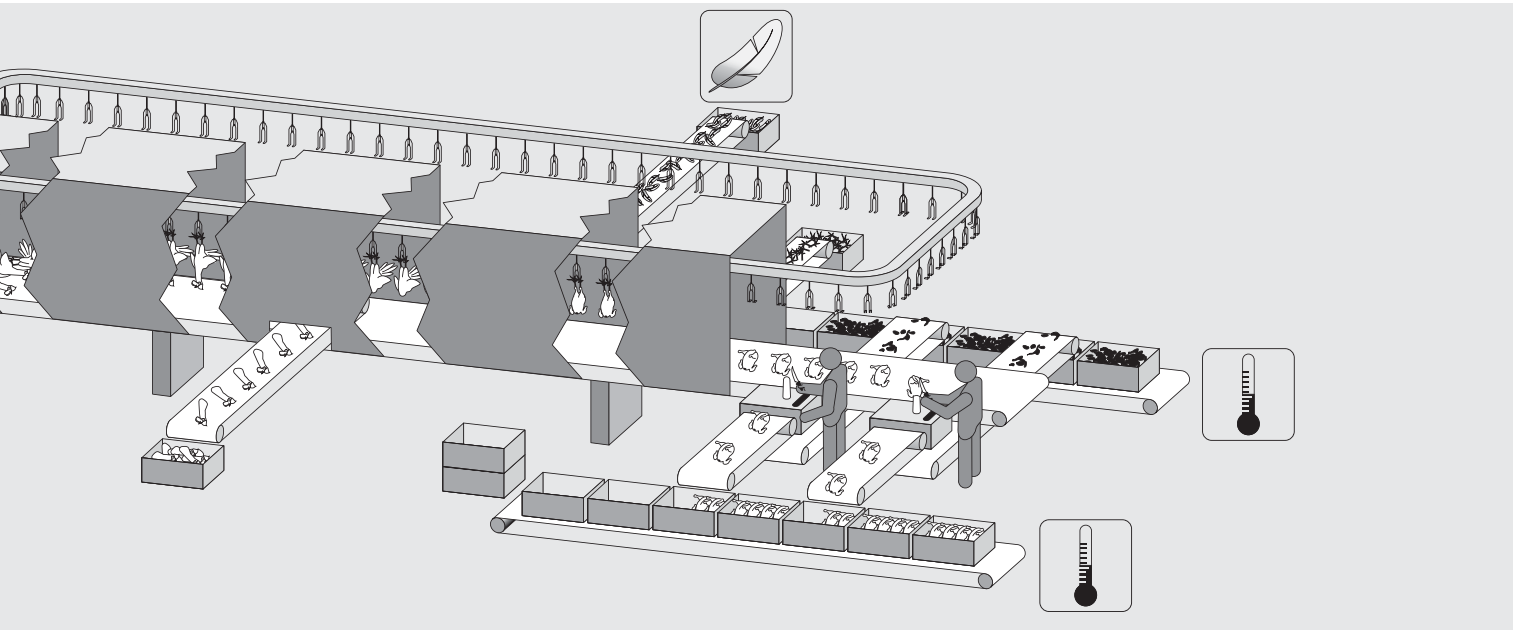
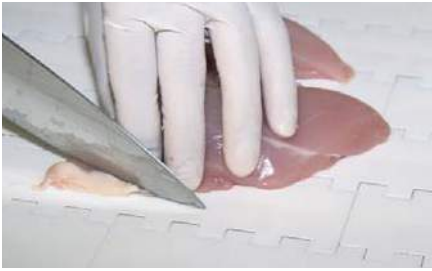


## Slaughtering • Primary processing



## Further processing • Packaging

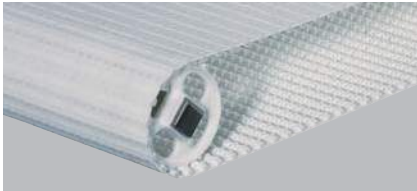






Habasit offers a broad variety of solutions allowing you to choose the ideal belting product for your specific meat processing application.

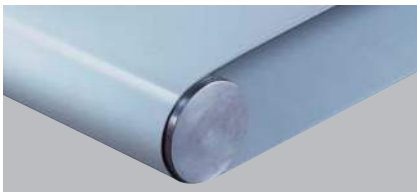
## HabasitLINK® Plastic Modular Belts



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



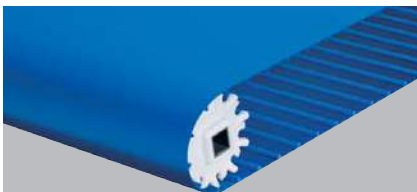
## Fabric-based/coated conveyor belts



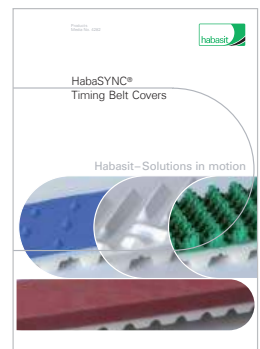
PVC coated belts  
TPU coated belts  
TPO coated belts  
Special coatings (e.g. antimicrobial)  
and a wide range of belting accessories.



## Habasit Cleandrive™



Extruded positive driven and flat conveyor belts made of abrasion- and hydrolysis-resistant TPU, which can be combined with a comprehensive range of accessories. A new generation of hygienic belting solutions.



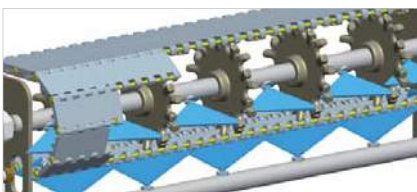
## HabaSYNC® timing belts



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. (EHEDG certified and silver medal winner of the International FoodTec Award 2012)



### Gearmotors



For corrosive and aseptic applications and environments.



For further information please consult:  
[www.habasit.com](http://www.habasit.com)







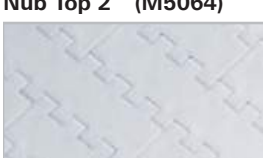


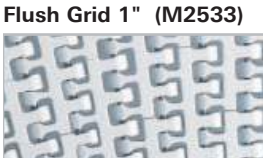




Habasit's belting solutions deliver improved efficiency in meat conveying and processing, and are designed to meet tomorrow's sanitation standards today.


	Key features	Your benefits
	<b>HabasitLINK® plastic modular belts</b> <ul style="list-style-type: none"> <li>• Dynamic open hinges and advanced hygienic design</li> <li>• Various closed and open belt styles and embossings</li> <li>• Unique HyCLEAN product family with patented design</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy cleaning and release of debris</li> <li>→ Good release and yield increase</li> <li>→ For reliable product handling, cutting, deboning, cooling, freezing, draining</li> <li>→ Up to 85% rod access and 100% hinge accessibility for improved cleaning efficiency</li> </ul>
	<b>Fabric-based/coated conveyor belts</b> <ul style="list-style-type: none"> <li>• Abrasion- and hydrolysis-resistant coatings</li> <li>• Antimicrobial TPU coatings</li> <li>• Oil- and fat-resistant PVC</li> <li>• Different surface embossings</li> <li>• Accessories and edge sealing</li> </ul>	<ul style="list-style-type: none"> <li>→ Reliable performance and long belt service life</li> <li>→ Additional hurdle against growth of micro-organisms</li> <li>→ Superior lifetime in wet, oily and fatty applications</li> <li>→ Excellent chemical resistance</li> </ul>
	<b>Habasit Cleandrive™</b> combines <ul style="list-style-type: none"> <li>• Closed homogeneous surface</li> <li>• Continuous drive bars over entire belt width</li> <li>• Flat versions available</li> <li>• Longitudinal reinforcement</li> <li>• Abrasion- and hydrolysis-resistant TPU</li> </ul>	<ul style="list-style-type: none"> <li>→ No gaps or hinges</li> <li>→ Easy to clean</li> <li>→ No creep, dimensional stability</li> <li>→ Reliable sprocket engagement</li> <li>→ Excellent chemical resistance</li> <li>→ Ultimate hygiene solution</li> </ul>
	<b>HabaSYNC® timing belts</b> with <ul style="list-style-type: none"> <li>• Improved design and materials for wet and humid applications</li> <li>• Ability to apply special coatings</li> </ul>	<ul style="list-style-type: none"> <li>→ Precise positioning and conveying of goods</li> <li>→ Easy to clean surfaces</li> <li>→ Excellent chemical resistance</li> <li>→ Various surface finishes for specific tasks in application</li> </ul>
	<b>HyCLEAN CIP system</b> with <ul style="list-style-type: none"> <li>• Outside spray tube</li> <li>• Idle spray bar with nozzles</li> <li>• Edge cleaning nozzles</li> </ul>	<ul style="list-style-type: none"> <li>→ Cleans entire belt conveying side</li> <li>→ Cleans hinge area and reverse side, exactly when hinges are most open</li> <li>→ Cleans the belt edges and especially the rod head and retention system</li> <li>→ Fast and efficient cleaning</li> <li>→ Reduced water consumption</li> </ul>
	<b>HyCLEAN gearmotors</b> <ul style="list-style-type: none"> <li>• Available with two different surface protection packages</li> <li>• Standard motor with surface protection</li> <li>• Smooth stainless steel motor without fins</li> </ul>	<ul style="list-style-type: none"> <li>→ Outstanding chemical resistance</li> <li>→ Highly protected surfaces</li> <li>→ Improved design for quick and efficient hygienic washing</li> </ul>

## Plastic modular belts Key features

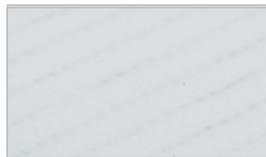
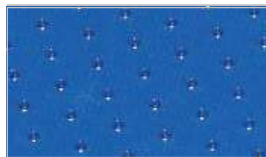
## Your benefits


 <p><b>Flat Top 2" (M5060)</b></p>	<ul style="list-style-type: none"> <li>• 24" wide modules available</li> <li>• Dynamic open hinge</li> <li>• Strong link design</li> <li>• Broad range of accessories</li> <li>• NSF  approved design</li> </ul>	<ul style="list-style-type: none"> <li>→ Less soiling and waste</li> <li>→ Robust, reliable performance</li> <li>→ Less link breakage</li> <li>→ No trap for debris, easy to clean</li> <li>→ Reduced downtime</li> </ul>
 <p><b>Cone Top 2" (M5013)</b></p>	<ul style="list-style-type: none"> <li>• Solid plate with cone top structure</li> <li>• Dynamic open hinge</li> <li>• Strong link design</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy release = limited soiling and waste</li> <li>→ Robust, reliable performance</li> <li>→ Good grip and exact product positioning</li> </ul>
 <p><b>HyCLEAN Flat Top 2" (M5065)</b></p>	<ul style="list-style-type: none"> <li>• 24" wide modules</li> <li>• Extra-wide dynamic open hinge (6" inch pitch)</li> <li>• 85% rod exposure</li> <li>• NSF  approved design</li> </ul>	<ul style="list-style-type: none"> <li>→ Wider links and fewer hinges</li> <li>→ Fewer traps for food residues</li> <li>→ Superior cleanability of reverse side and rod hinge area</li> </ul>
 <p><b>Nub Top 2" (M5064)</b></p>	<ul style="list-style-type: none"> <li>• Dynamic open hinge</li> <li>• Nub top surface structure</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy to clean design</li> <li>→ Reduced surface contact with goods = easier release</li> <li>→ Less waste and increased yield</li> </ul>
 <p><b>Flat Top 1" (M2510)</b></p>	<ul style="list-style-type: none"> <li>• Dynamic open hinge</li> <li>• NSF  approved design</li> <li>• Nub top structure available</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy to clean</li> <li>→ Reduced surface contact and better release of goods with structured surface</li> <li>→ Less waste and increased yield</li> </ul>
 <p><b>Flush Grid 1" (M2533)</b></p>	<ul style="list-style-type: none"> <li>• 35% open area</li> <li>• Open hinge design</li> </ul>	<ul style="list-style-type: none"> <li>→ Ideal for cooling and draining</li> <li>→ Easy to clean</li> </ul>
 <p><b>Radius Flush Grid 1" (M2540)</b></p>	<ul style="list-style-type: none"> <li>• 35% open area</li> <li>• Suitable for straight and radius applications</li> </ul>	<ul style="list-style-type: none"> <li>→ Excellent for cooling and draining</li> <li>→ Easy to clean</li> </ul>
 <p><b>Flat Top 0.5" (M1220)</b></p>	<ul style="list-style-type: none"> <li>• Open hinge design</li> <li>• Small pitch</li> </ul>	<ul style="list-style-type: none"> <li>→ Gentle and reliable handling of small goods</li> <li>→ Small transfers between two conveyors</li> </ul>
 <p><b>Micropitch (M0870)</b></p>	<ul style="list-style-type: none"> <li>• Dynamic open hinge</li> <li>• Smallest pitch with rod technology (0.3")</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy to clean</li> <li>→ Smallest transfer between two conveyors</li> <li>→ Nosebar diameter 7 mm</li> </ul>

**Extruded belts****Key features****Your benefits****Habasit Cleandrive™**

- Extruded positive driven (with 1" and 2" pitch) and flat belts
- Reinforced with high-tech filaments
- Hydrolysis-resistant TPU
- NSF  approved design

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

**Fabric based coated belts****Smooth white****Smooth blue****Saw tooth****Herringbone****Cone Top**

- 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

- Reliable performance and long service life
- Ideal for wet and humid environments with frequent cleaning
- Antimicrobial equipped coatings provide an additional hurdle against the growth of micro-organisms, especially in cuts, cracks and areas that are inaccessible for cleaning
- Supporting hygienic design and reliable food processing
- Fully capsuled and hygienic belt design with edge sealing and reverse-side coating
- No cracks or surface brittleness
- Ideal for frequent cleaning
- Extensive range of products, flights and accessories for specific tasks and applications

**Round belts****Habiblu**

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

- Good for conveying light-weight sliced ham or sausages
- Dimensional stability even in fatty and humid environments

**Timing belts****HabaSYNC®**

- High-grade Habasit timing belts covered with cone top or other structures
- Hydrolysis- and abrasion-resistant TPU types available

- Synchronous movement and precise positioning of goods
- Ideal for specific meat processing or packating applications



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](http://www.habasit.com)

			HabasitLINK®																
			Plastic modular belts																
			M1220 Flat Top	M1233 Flush Grid	M1234 Nub Top Flush Grid	SM605 Smooth Mesh	CM605 Curved Mesh	M2510 Flat Top	M2514 Nub Top	M2533 Flush Grid	M2540 Radius Flush Grid	M2585 Flush Grid	CT610-R Radius Curved Top	M3840 Radius Flush Grid	M5010 Flat Top	M5013 Cone Top	M5014 Nub Top	M5060 Flat Top	M5064 Nub Top
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: <a href="http://www.habasit.com">www.habasit.com</a>			1/2" pitch					1" pitch					1.5"	2" pitch					
Applications	Meat (Beef and Pork)	Slaughtering/Evisceration													●			●	
		Cutting lines/Deboning lines													●	●		●	
		Bone takeaway													●	●		●	
		High impact/Chute discharge																	
		Trim lines/Dressing lines	●					●	●						●			●	
		Offal/Lung lines																●	
		Hide lines										●			●				
		Breeding lines																	
		Fryers																	
		Cooling/Freezing (Spirals)								●	●			●	●			●	
		Hoofs/Shanks lines													●				
		General conveyance	●		●	●	●	●			●		●	●	●		●	●	●
		Metal detector	●	●	●	●	●			●					●			●	
		Slicing						●										●	
		Packing lines	●		●			●		●					●			●	
		Check-weigher	●		●					●									
		Shrink wrapping		●						●		●							
		Box/Crate handling								●	●			●	●			●	
		Packaging								●	●			●	●			●	
	Poultry (Chicken and Turkey)	Live birds													●				
		Slaughtering / Evisceration						●							●		●	●	
		Skinning						●		●					●	●	●	●	●
		Cut-up/Deboning/Trim lines							●						●		●	●	●
		Chiller-discharge													●			●	
		Offal/Feather lines													●				
		Rehang/Bird accumulation																	
		Breeding lines																	
		Grading						●		●					●	●	●	●	
		Cooling/Freezing (Spirals)								●	●			●	●				
		General conveyance	●		●	●	●	●			●			●				●	●
		Metal detector	●	●	●	●	●	●		●					●			●	
		Check-weigher	●																
		Shrink wrapping		●						●		●							
		Packaging	●							●	●	●		●	●			●	
		Box/Crate handling								●	●			●	●			●	

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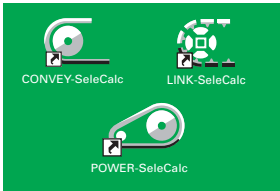
**Comprehensive services are central to Habasit's belting solution approach.**

**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](mailto: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.





## Customers 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. Learn more on [www.habasit.com](http://www.habasit.com)

## Committed to innovation

Because our customers' belting challenges and needs never cease, we consistently dedicate a substantial percentage of our employees and resources to the research and development of new products and solutions.

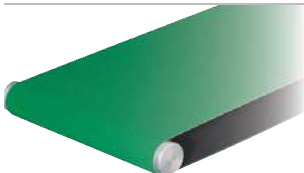
## Certified for quality

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 9001:2008.



## Worldwide leading product range

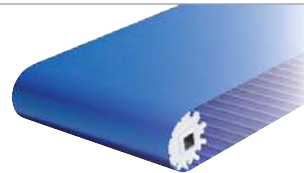
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



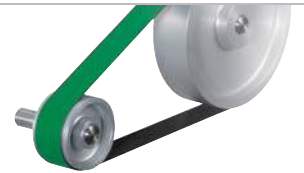
Fabric based conveyor and processing belts  
**HabaFLOW®**



Plastic modular belts  
**HabasitLINK®**



Positive drive conveyor and processing belts  
**Habasit Cleandrive™**



Power transmission belts  
**HabaDRIVE®**



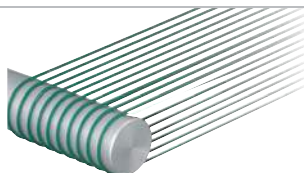
Timing belts  
**HabaSYNC®**



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



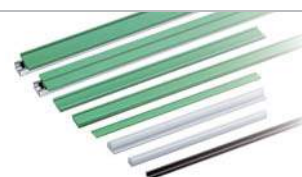
Machine tapes



Round belts



Seamless belts



Profiles, Guides, Wear strips  
**HabiPLAST®**



Fabrication tools (joining tools)



Gearmotors  
Electric motors  
Motion control

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