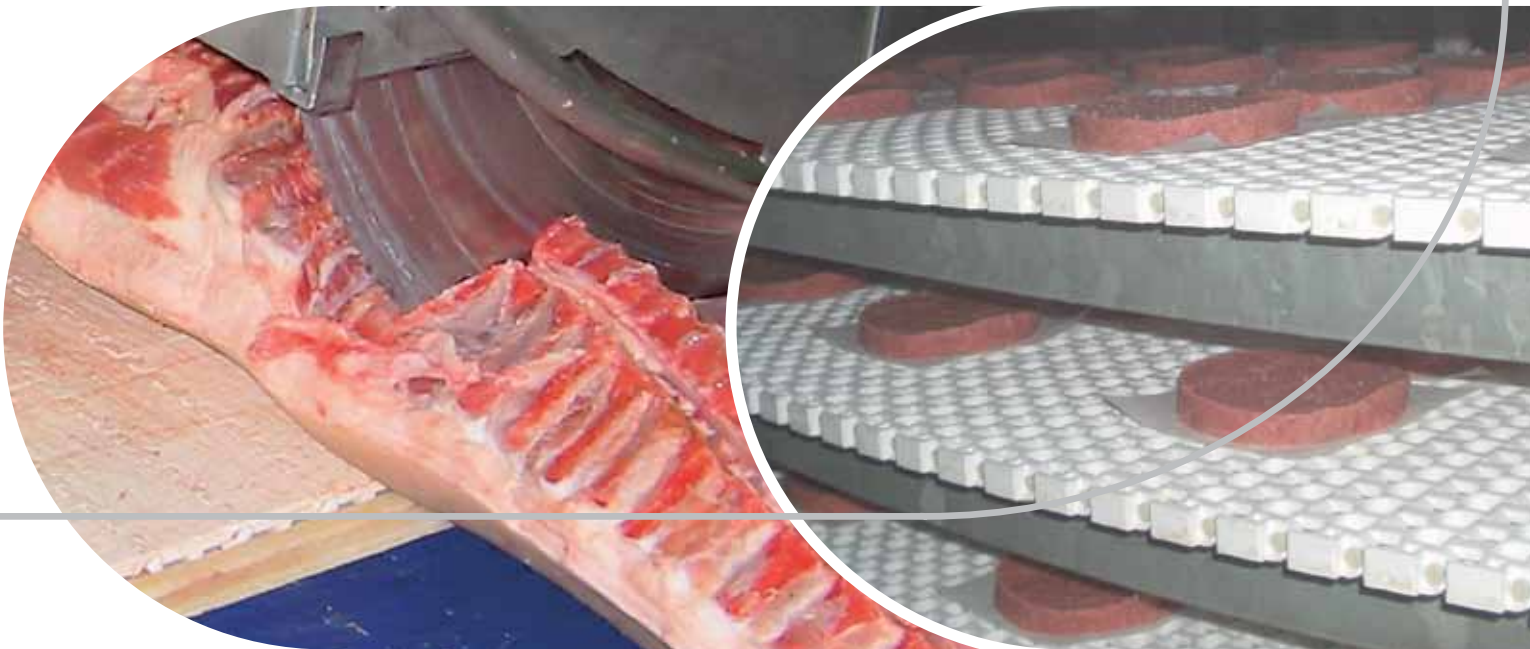


# Meat Processing

Habasit – Solutions in motion



## Applications

- Saw lines
- Boning and pace tables
- Fat and trim lines
- Bone conveyors
- Incline conveyors
- Box handling
- Grading and inspection
- Weigh scales
- Metal and bone detection

## Why HabasitLINK® plastic modular belts?

HabasitLINK® plastic modular belts are sprocket-driven for positive drive and tracking which virtually eliminates problems associated with mistracking that can lead to belt damage. Flights are assembled as an integral part of the belt and can be replaced with a minimum of downtime without complicated tools or equipment. The all-plastic design provides maximum chemical and abrasion resistance, while eliminating concerns of metal contamination.

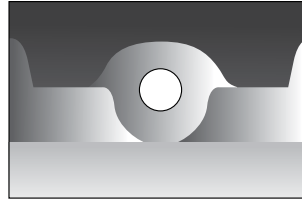
## M6360 Flat Top and M5060 Flat Top

The M6360 Flat Top 2.5" and M5060 Flat Top 2" are designed for the most abusive food applications. This product was designed with high impact and heavy loads in mind, while offering the ability to be easily cleaned. The patented oblong hole allows even greater access for water into the area around the rod. The belt underside features the patented dynamic open hinge as well as offset hinges, both of which allow for quick and efficient belt clean up time. This product also features the patented Smart Fit rod retention feature for quick and easy repair.

- Offset hinges attract water into hinge for thorough cleaning
- Dynamic Open Hinges vary hinge geometry for release of trapped debris
- The patented oblong hole allows water to penetrate and clean the hinge area more efficiently than a round hole design.
- Smart Fit rod retention for quicker maintenance and repair.

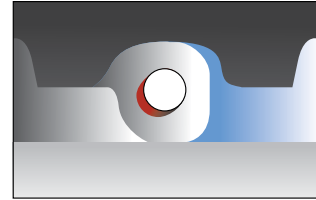
## Oblong Hole

Conventional design



## HabasitLINK®

Improved design



Habasit's patented design improves access to the rod and hinge area during sanitation.

HabasitLINK® modular belts' innovative technology offers the only design specifically engineered for use in the food industry. Habasit's unique patented oblong hole allows improved access during sanitation to the hinge area, and to the rod across the entire width of the belt. Combined with HabaGUARD®, an exclusive antimicrobial agent, Habasit belts provide the highest level of food safety and cleanability in the marketplace today.



## Leaders in spiral innovation and competence

Habasit spiral belts continue at the forefront of spiral belt technology with over 700 systems in operation worldwide for all types of applications. It's a proven technology – used every day in applications throughout plants.

## Habasit's unparalleled sales and service network,

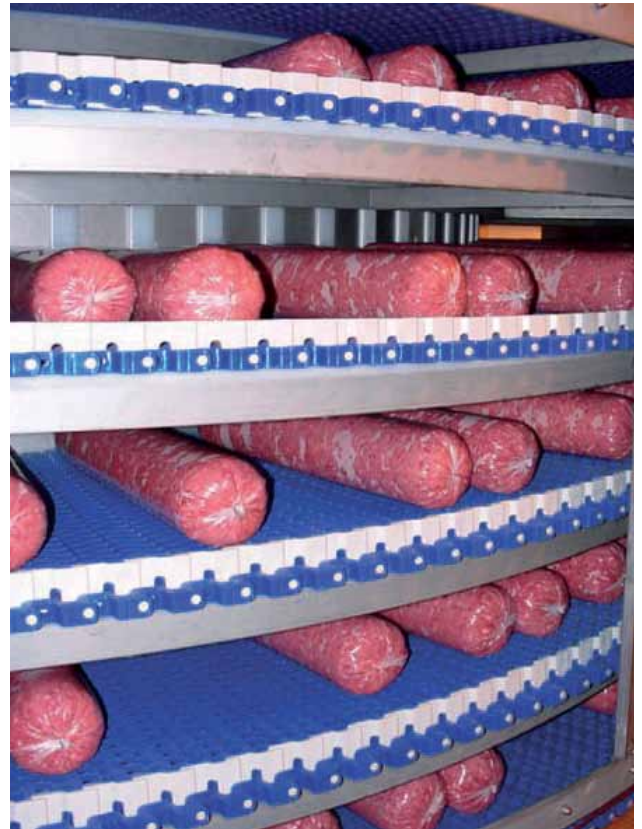
combined with outstanding technical expertise in spirals, provide the best solutions to customers.

## Habasit offers the widest range of plastic modular belts on the market.

The Habasit Group is your true full-range supplier for superior solutions. Anywhere. Anytime.

Complementary product ranges include:

- Habiplast® (profiles guides, and wearstrips)
- HabaFlow® (fabric conveyor belts)
- HabaChain® (plastic and steel chains)
- HabaSync® (timing belts)
- HabaDrive® (power transmission belts)
- Rossi Gearmotors



### HabasitLINK® Spiral 1.5" Pitch Belting M3840 Radius Flush Grid

- 2.2x turn radius
- 2250 N / 505 lbs belt pull
- Max. open contact area: 50%
- Max. open area: 37%
- Provides good support for smaller products or very soft products (less imprint; e.g. dough)



### HabasitLINK® Spiral 2" Pitch Belting PR620 SPS (Spiral Pro - Small Product Surface)

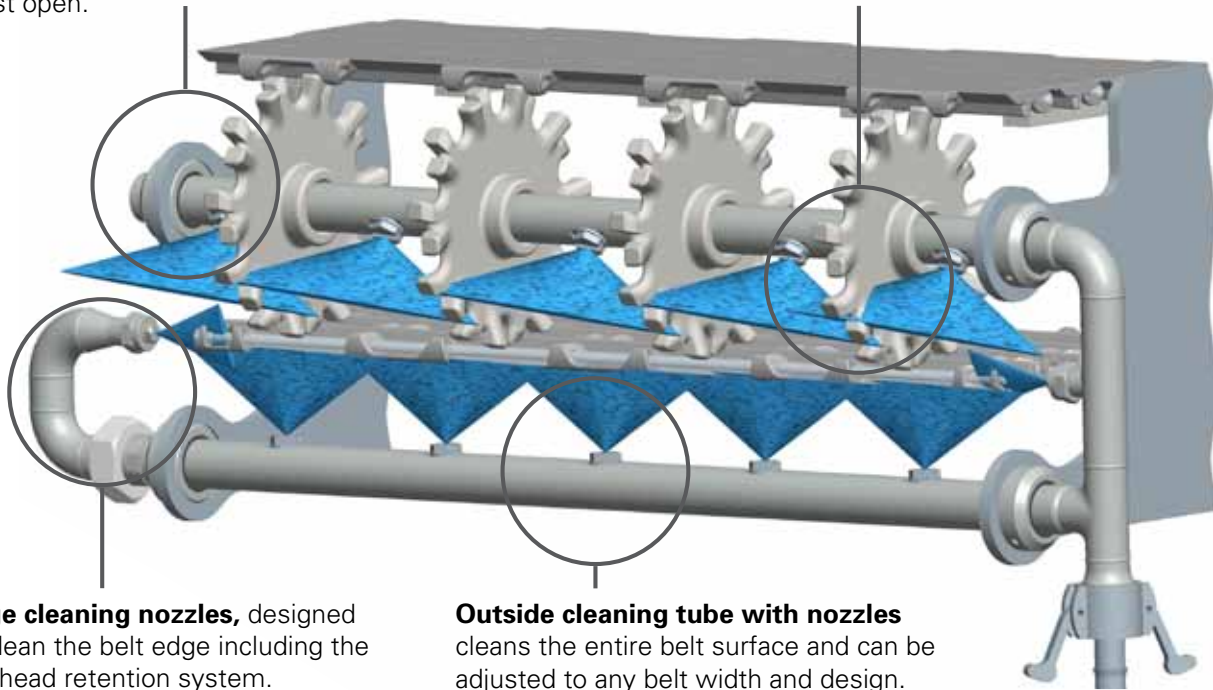
- 1.6x turn radius
- 2670 N / 600 lbs belt pull
- Max. open contact area: 57%
- Max. open area: 44%
- Provides better support for smaller sized products

## Improved Belt Cleaning Efficiency

The new Habasit HyCLEAN CIP system (patent pending) has been developed to satisfy tomorrow's sanitation standard today. The CIP system includes:

**An idle shaft spray bar** with HyCLEAN sprockets and spray nozzles. This design enables cleaning to take place when the dynamic hinge is most open.

**Spraying pattern from the shaft and nozzles** allows the water to access and penetrate the entire belt width.



**Edge cleaning nozzles**, designed to clean the belt edge including the rod head retention system.

**Outside cleaning tube with nozzles** cleans the entire belt surface and can be adjusted to any belt width and design.






The Habasit HyCLEAN CIP system was developed to innovate cleaning efficiency of plastic modular belts and other belting products.

- 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

	Features	Benefits
	<ul style="list-style-type: none"> <li>• Rounded design, optimized for cleanability</li> <li>• Slot between teeth pairs</li> <li>• Minimized contact surface with belt reverse side</li> <li>• Highest exposure of critical belt reverse side area</li> <li>• 100% hinge exposure over entire belt width – unique in the market</li> <li>• Unique teeth design (patented)</li> </ul>	<ul style="list-style-type: none"> <li>→ Best water accessibility</li> <li>→ High cleaning efficiency</li> <li>→ Reduced cleaning time</li> <li>→ Cost savings in terms of labor, cleaning agents and water</li> <li>→ Sprockets are Compatible with M5010, M5060, M5065, and typical flat top products</li> </ul>
	<ul style="list-style-type: none"> <li>• Proper, forgiving and smooth engagement</li> <li>• Robust design (no windows)</li> <li>• Reduced noise development</li> <li>• Smart fit rod retaining</li> </ul>	<ul style="list-style-type: none"> <li>→ Suitable for heavy duty applications</li> <li>→ Less downtime</li> <li>→ Longer belt life</li> <li>→ More worker friendly</li> <li>→ Easy belt installation, removal and maintenance</li> </ul>
	<ul style="list-style-type: none"> <li>• Unique new hygienic design with dynamic open hinge</li> <li>• Extra wide open links and oblong holes</li> <li>• Seamless belt width up to 24" (609 mm)</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy release of debris</li> <li>→ Quick and complete cleaning</li> <li>→ High cleaning efficiency</li> <li>→ Time and cost savings</li> <li>→ 85% rod surface access</li> </ul>



## HabaGUARD® Antimicrobial Additive

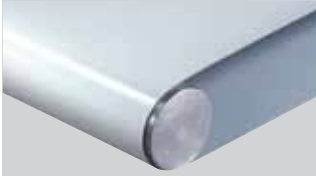
**If you are concerned that your belts might be carrying more than just your product — the solution is Habasit.**

HabaGUARD® conveyor belting contains an antimicrobial additive that prevents growth of spoilage microorganisms on belt surfaces. The antimicrobial in HabaGUARD® prevents mold proliferation, the related odors, discoloration and degradation of belt surfaces.

The antimicrobial in HabaGUARD® is the only additive approved and EPA-registered for direct food contact. HabaGUARD® belts provide the highest level of food safety, belt protection and cleanability in the marketplace today.

The effectiveness of the HabaGUARD® antimicrobial additive will continue throughout the operating life of the belt.

## 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

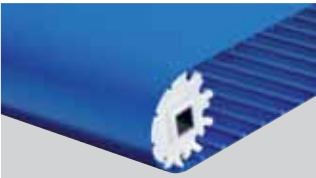
### Features

- 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

### Benefits

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

## Habasit Cleandrive®



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

### Features

- Extruded positive driven belts
- Special material grades
- Reinforced with high-tech filaments
- Hydrolysis-resistant TPU
- NSF approved design

### 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

## HabaSYNC® Timing Belts



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

### Features

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

### Benefits

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



### 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.

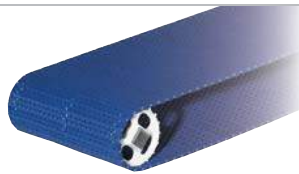


### Worldwide leading product range

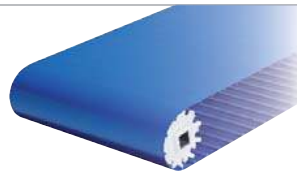
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



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



Plastic modular belts  
**HabasitLINK®**



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



Power transmission belts  
**HabaDRIVE®**



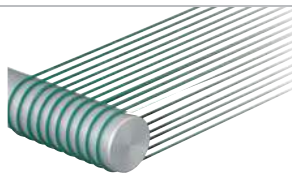
Timing belts  
**HabaSYNC®**



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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Seamless belts, timing belts  
Middletown, Connecticut  
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**Rossi** is one of Europe's largest manufacturers of gear reducers, gearmotors, inverters, standard and brakemotors, and is a member of the Habasisit Group.

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