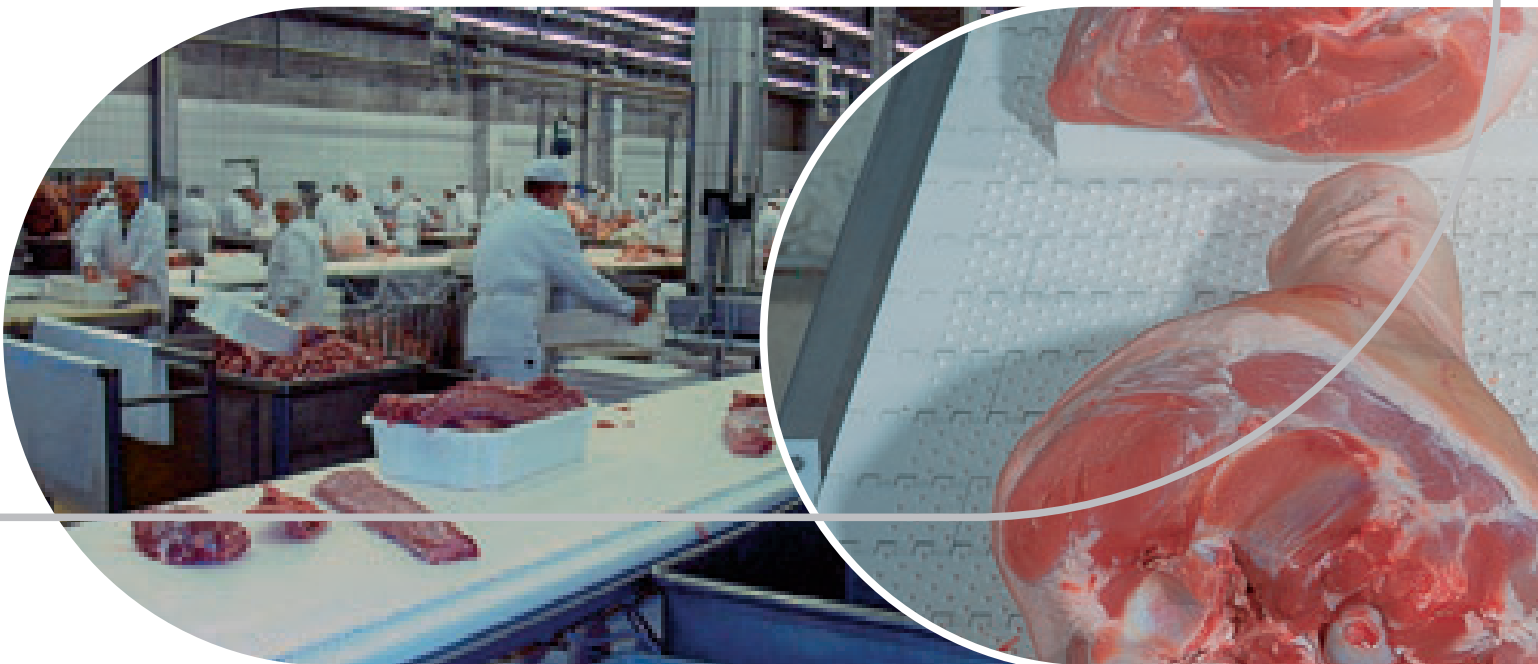


# Meat and Poultry Habasit Belts for the Processing of Meat and Poultry

Habasit – Solutions in motion



**Innovation is a key word at Habasit**

Industrial food processing requires a wide range of conveyor and processing belts. Habasit has developed an extensive variety of solutions that allow customers to choose the best product for their application. Special focus of all developments is on increasing hygiene standards in the food industry. Habasit's food conveyor and processing belts outstanding surface quality is due to the calendar coating. Industry know-how, a complete product range, the introduction of new coating materials and a unique product construction enable Habasit to offer products that comply with HACCP principles and guarantee trouble-free and safe food production. Beyond this, to provide additional safety, Habasit has recently introduced unique products such as **HabasitLINK® plastic modular belts, HySAN oil and fat resistant**

**food PVC conveyor belts, HyGUARD® and HabaGUARD® conveyor belts containing antimicrobial additives and Cleanline® food belts coated with a modified polyolefin (Habilene®) and, to complete the range the well known and established Habasit TPU coated food belts.**

Habasit is the only belt supplier who manufactures and offers the full package of fabric based belts and plastic modular belts.

In addition we offer accessories like cleats, edge-sealing profiles and side-walls.

**More than 50 years of experience**

With a comprehensive global network, Habasit is able to respond to any request that you may have with nothing less than an outstanding belting solution of highest quality, tailored to your specific needs.

**Focus on meat and poultry processing**

Whether slaughtering, cutting, deboning, weighing, grading, portioning, shrink-wrapping, labeling or packaging, Habasit offers a complete product range for the meat and poultry industry.

This includes all kind of fabric belts and modular belts. Habasit applies several coatings in order to achieve a defined surface finish.

Customers can choose the well known HabasitLINK® modular belts, high quality TPU, cost efficient HySAN food PVC belts or most modern materials, such as TPO Habilene® coating, a modified polyolefin coating from the new Cleanline® range.

**Your manufacturing processes**

See multiple uses of Habasit food conveyor and processing belts for:

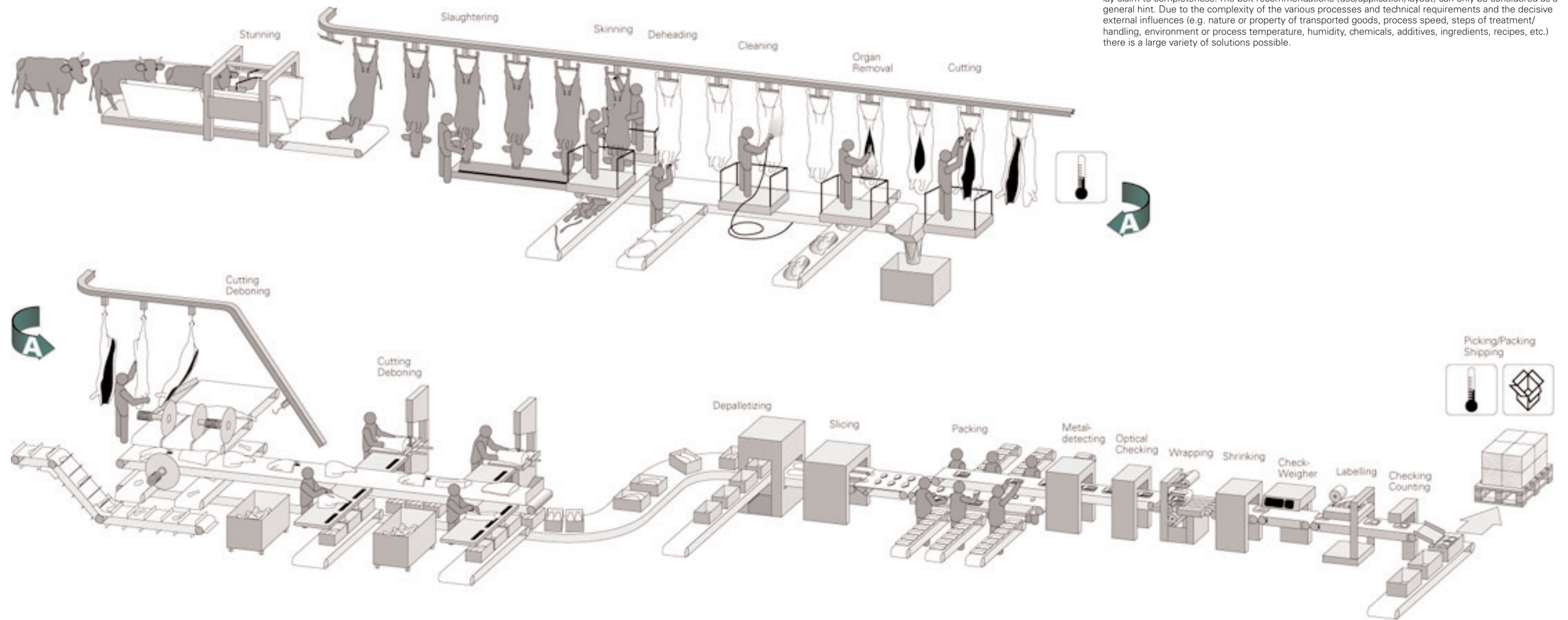
- **Slaughtering**
- **Primary processing**
- **Further processing**
- **Sausage making**

These processes are just samples – Habasit belts can be used in all steps of meat and poultry manufacturing.

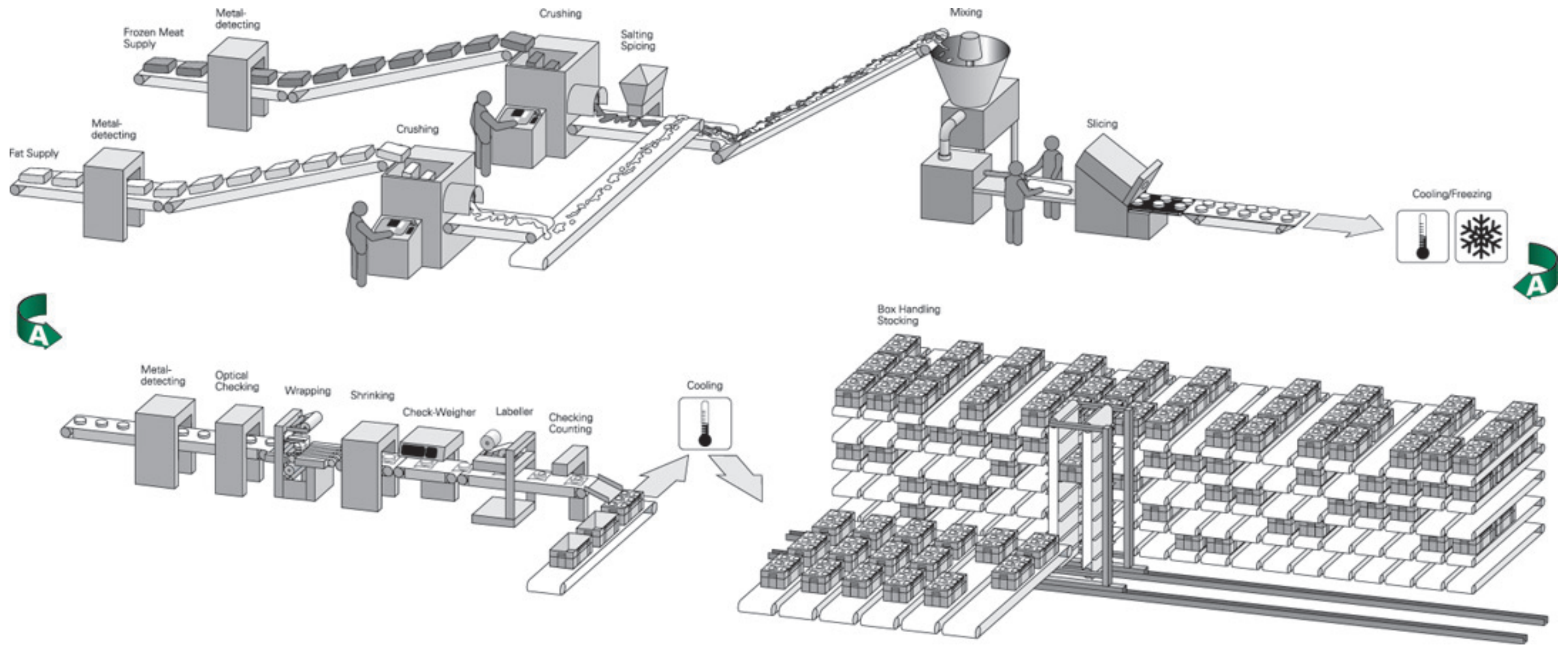
Contents	
Introduction	2
Industry focus	3
Process overview	4–9
Variety of product ranges	10
Variety of belt surface structures/styles	11
Meat and poultry application table/belt selection guide	12–13
Features and benefits	14–19
Services	20–21
Comments/sketches	22
The Habasit Solution	23



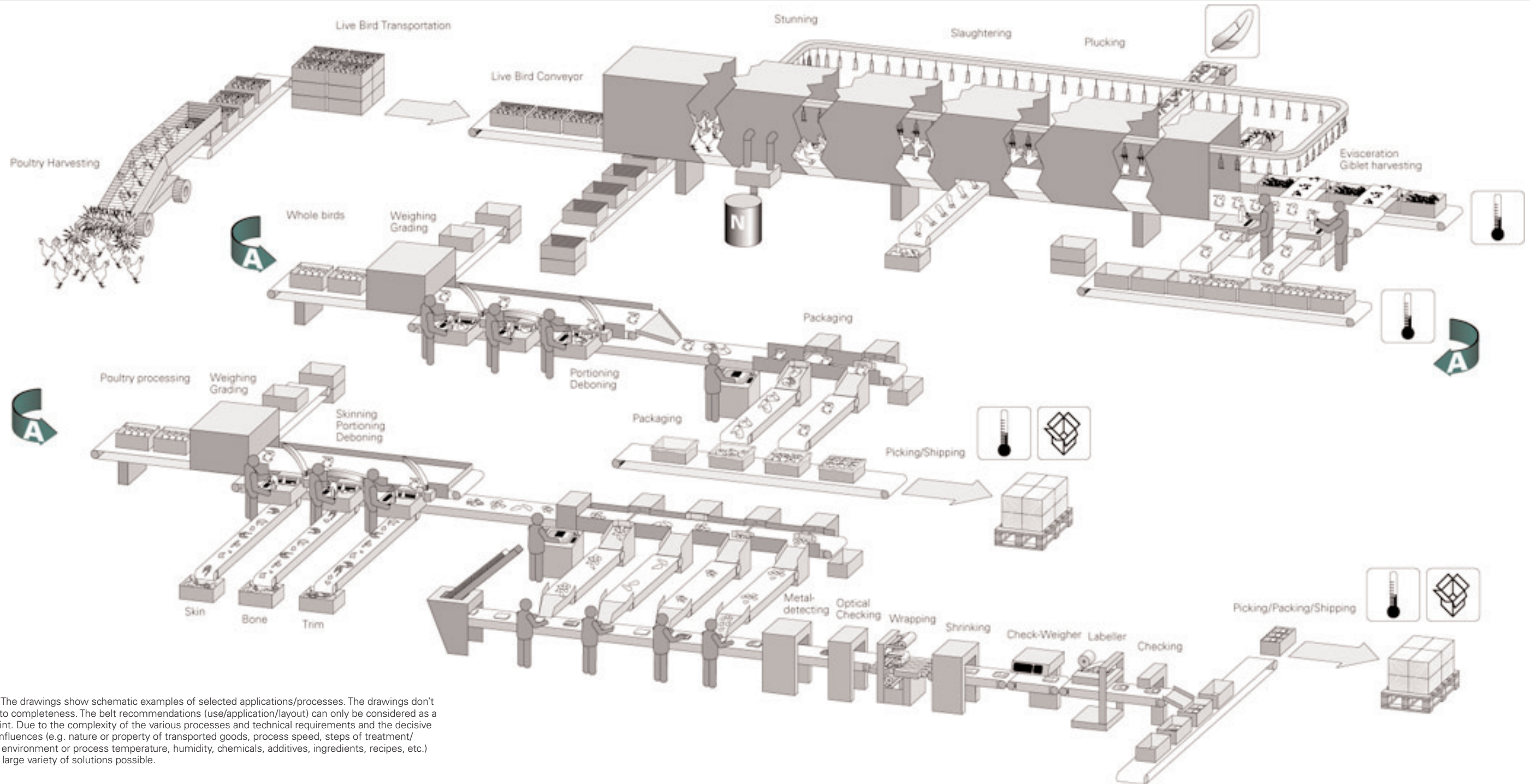
**Slaughtering • Primary processing • Further processing • Packaging**



Process overview: Meat (beef and pork)  
**Further processes • Sausage manufacturing**



**Slaughtering • Primary processing • Further processing • Packaging**

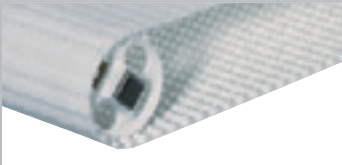
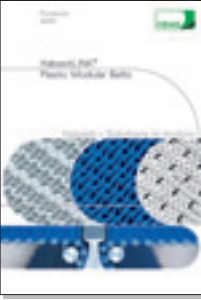
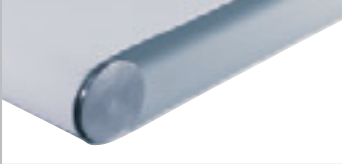
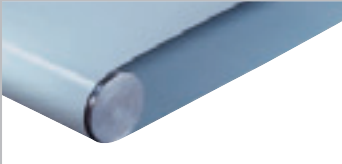
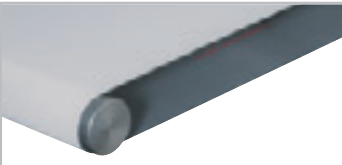
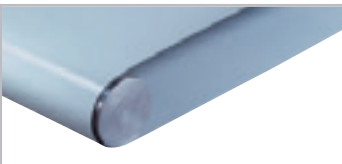


**Remark:** The drawings show schematic examples of selected applications/processes. The drawings don't lay claim to completeness. The belt recommendations (use/application/layout) can only be considered as a general hint. Due to the complexity of the various processes and technical requirements and the decisive external influences (e.g. nature or property of transported goods, process speed, steps of treatment/handling, environment or process temperature, humidity, chemicals, additives, ingredients, recipes, etc.) there is a large variety of solutions possible.

**The right choice**

Habasit has developed an extensive variety of solutions that allow customers to choose the best belting product for their specific application.

Habasit is the only belt supplier who manufactures and offers the full package of fabric based belts and plastic modular belts.

Conveyor and processing belts for meat and poultry processing			
Design/materials/component variations			
	<b>Plastic modular belts HabasitLINK®</b>	PP (Polypropylene)	
		PE (Polyethylene)	
		POM/AC (Polyoxymethylene/Acetal)	
		PA (Polyamide)	
	<b>Fabric based/coated belts HySAN</b>	<b>Food PVC coated belts</b>	FAB-8EOWV FAB-8EOCV FAB-12EOWV
	<b>Fabric based/coated belts Cleanline®</b>	<b>TPO/Habilene® coated belts</b> Habilene® is a Habasit modified Polyolefine	CNB-series CAB-series CNF-series CNW-series
	<b>Fabric based/coated belts Food range</b>	<b>TPU – coated belts</b>	FAB-series FNB-series FMB-series FAW-series FAS-series FAF-series
	<b>Antimicrobial belts</b>	Kind of belts	Geographical allocation of products
		<b>Modular belts</b>	<b>HabaGUARD® North America</b>
		<b>Fabric based/coated belts</b>	<b>HabaGUARD® North America</b>
			<b>HyGUARD® Europe</b>
			<b>HyGUARD® Japan</b>

**Belt surface or style function**

To fulfill a specific process step or a defined function the belt surface/style plays a key role. Based on the surface structure/style and the material inherent properties a multitude of function possibilities are given. Following is a selection of the available varieties of belt surface structures/styles and properties.

Pictures: Product view from above and bird's view (running direction from left to right).

**Plastic modular belt styles**



**Flat Top (2")**



**Cone Top (2")**



**Perforated Flat Top (2")**

**Fabric based/coated belt surface structures**



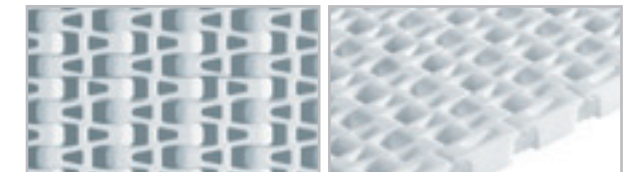
**Blank/smooth surface**  
Super adhesive, adhesive, medium adhesive



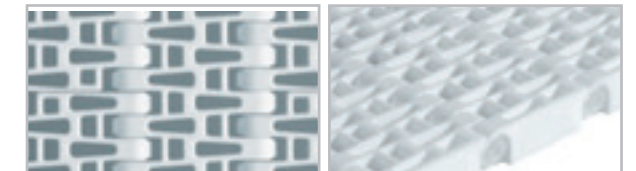
**Blank/smooth surface**  
Non-adhesive



**Mat, medium adhesive, blue**



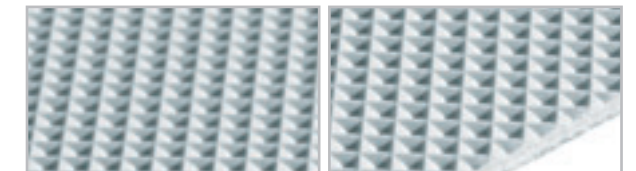
**Flush Grid (1")**



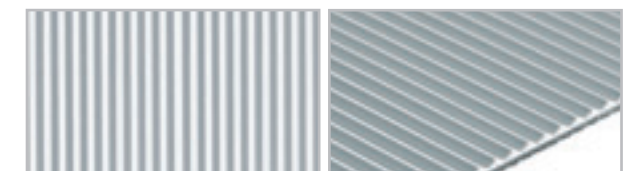
**Flush Grid (2")**



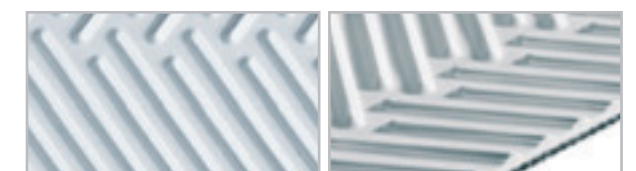
**Radius Flush Grid (1.5")**



**Waffle structure**



**Saw tooth profile structure**



**Fish/herringbone structure**

Application		Plastic modular belts HabasitLINK®																	Chains		Fabric based belts															
		Series M1200 0.5"		Series M2500 1"							Series M3800 1.5"		Series M5000 2"						Heavy Duty		Fabric belts are also available with reverse side coating and edge sealing															
Belt type		M1220 Flat Top	M1233 Flush Grid	M2510 Flat Top	M2511 Mesh Top	M2520 Flat Top	M2520 GripTop	M2520 Roller Top	M2533 Flush Grid	M2533 GripTop	M2533 Roller Top	M2540 Radius Flush Grid	M2540 Roller Top	M2543 Tight Radius	M3840 Radius Flush Grid	M3840 Roller Top	M5010 Flat Top	M5010 Roller Top	M5011 Perforated Flat Top	M5013 Cone Top	M5014 Nub Top	M5020 Flat Top Heavy	M5020 GripTop	M5032 Flush Grid Heavy	M5032 Roller Top	M5033 Flush Grid	M5033 Roller Top	C3200 Straight Chain	C3210 Radius Chain	PVC coated belts (Food PVC) HYSAN	TPO coated belts Habiline® coated Cleanline®	TPU coated Food belts				
<b>Meat (beef and pork)</b>																																				
Slaughtering	Slaughtering																																			
Primary Processing	Cutting lines																																			
	Deboning lines																																			
	Dressing lines																																			
	Trim lines																																			
	Fast deboning lines																																			
Further Processing	Slicing																																			
	Packing lines																																			
	Freezing																																			
	Cold-discharge Elevator																																			
Packaging	Metal detectors																																			
	Shrink wrap																																			
	Check-Weigher																																			
	Packaging Accumulation																																			
	Box/Crate Handling																																			
<b>Poultry</b>																																				
Slaughtering	Live Bird Conveyor																																			
	Slaughtering/Evisceration																																			
Primary Processing	Skinning																																			
	Deboning																																			
	Portioning																																			
	Grading																																			
	Freezing Cold-discharge																																			
Further Processing	Elevator																																			
	General conveyance																																			
Packaging	Metal detectors																																			
	Shrink wrap																																			
	Check-Weigher																																			
	Packaging Accumulation																																			
	Box/Crate Handling																																			

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.

**Product key data overview**

You will find the key data for most Habasit products on the Habasit website:

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

- How to find (example)
- [www.habasit.com](http://www.habasit.com)
- Worldwide
- Select continent (Europe)
- Select country (Great Britain)
- Products
- Conveyor belts
- Select product group
- Overview

**Overview: Conveyor belts**  
**Food conveyor and processing belts**

back [GDE](#)

Product code	Technical Data			Product Construction Design			
	Thickness (in)	Min. Pulley diameter (in)	Tensile force (lb/ft strength)	Material	Surface	Property	Color
<a href="#">TAB-12E</a>	0.70	1.00	97 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-2E</a>	0.09	0.9	21 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-30E</a>	0.09	0.8	17 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Medium adhesive	White
<a href="#">TAB-3E</a>	0.06	0.8	26 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-30E</a>	0.06	0.8	26 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Medium adhesive	White
<a href="#">TAB-30E+H</a>	0.06	0.8	26 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-30G</a>	0.06	0.8	26 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-30E</a>	0.04	0.8	26 lbs/in.	Stonex (S)	Blank smooth	Super-adhesive	White
<a href="#">TAB-3E</a>	0.06	0.79	46 lbs/in.	Polyurethane thermoplastic (TPU)	Blank smooth	Adhesive	White
<a href="#">TAB-12E</a>	0.18	1.00	97 lbs/in.	Polyurethane thermoplastic (TPU)	Polyurethane structure	Adhesive	White
<a href="#">TAB-3E</a>	0.06	1.0	46 lbs/in.	Polyurethane thermoplastic (TPU)	Carroll profile structure	Adhesive	White
<a href="#">TAB-3E</a>	0.06	0.8	34 lbs/in.	Polyurethane thermoplastic (TPU)	Vulco structure	Adhesive	White
<a href="#">TAB-3E</a>	0.06	1.26	26 lbs/in.	Fluoropolymer (FF)	Blank smooth	Ultra-gloss/non-stick	White

**Detailed technical data for each product/belt type**

With one more click on the respective belt type, you will obtain a technical data overview, showing details such as:

- Product designation/features
- Product design/built-up
- Product characteristics
- Technical data etc.

**Product Data Sheet**  
**CAB-8E #X7-2154**

**Status of Product:** Released  
**Item Number:** 6010101157  
**Status of Document:** Final

**Product Designation**  
Product Group: TPO conveyor and processing belts  
Product Sub-Group: Conveyors  
Main Industry Segments: Bakery (dough/cookies), Bakery (bread), Cheese, Chocolate/confectionery, Fish processing, Food unshredded/pellets, Meat, Poultry, Ready meats, Vegetables

**Belt Applications:** General conveying belt, Inspection/control belt, Metering/portioning belt, Packaging belt, Processing belt, Transfer belt, Weighing belt

**Special Features:** Easy cleanability, Easy release property, Hydrolysis resistant, Low noise running/pulley side, Smooth and pore-free belt surface, Taste neutral

**Made of Use/Conveyance:** Declined, Horizontal, Inclined

**Product Design (enlarged)**

**Product Construction/Design**

1 Conveying Side (Material):	Hidrene (modified TPO)
1 Conveying Side (Surface):	Blank smooth
1 Conveying Side (Property):	Adhesive
1 Conveying Side (Color):	White
1 Traction Layer (Material):	Polyester fabric (PEF) with conductive threads
1 Number of Fabric:	2
1 Running Side/Pulley Side (Material):	Polyester fabric (PEF) with conductive threads
1 Running Side/Pulley Side (Surface):	Impregnated with thermoplastic Polyurethane (TPU)
1 Running Side/Pulley Side (Color):	White

**Product Characteristics**

- able: Yes
- is suitable: Yes
- is antistatic: No
- is antistatic: No
- is: No
- is: Yes
- is: Yes
- is: No, specific flameability prevention property
- A performance: Yes
- SA: Conformable (1)
- performance: Yes (objective 90/28/EEC)
- approval: None

**Technical Data**

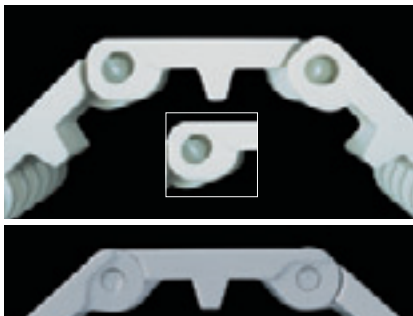
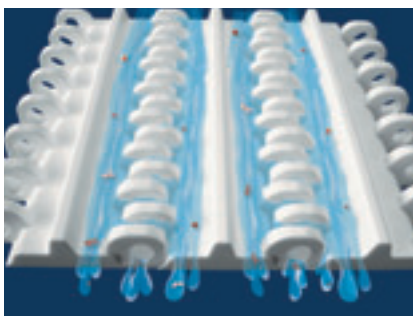

width:	230 mm	9.09 in.
weight:	1.8 kg/m <sup>2</sup>	0.37 lbs./sq.ft.
height:	- mm	- in.
width:	80 mm	3.1 in.
width with counter:	70 mm	2.8 in.
elongation (AT% 6th Habasit):	8 N/mm	40 lbs./in.
elongation (AT% 7 unit of width 0.155):	7 N/mm	40 lbs./in.
force per unit of width:	13 N/mm	74 lbs./in.
are admissible:	Min -40 °C Max 70 °C	Min -40 °F Max 158 °F
is on driving pulley:	0.15 [1]	0.15 [1]
is on slider bed of:	0.35 [1]	0.35 [1]
is against slider bed:	0.2 [1]	0.2 [1]
is on slider bed of:	0.15 [1]	0.15 [1]
spring width:	2400 mm	94 in.
width:	NA mm	NA in.

**Notes:** All values under standard climatic conditions: 23°C/73°F, 50% relative humidity and are based on the Master Jining Method.

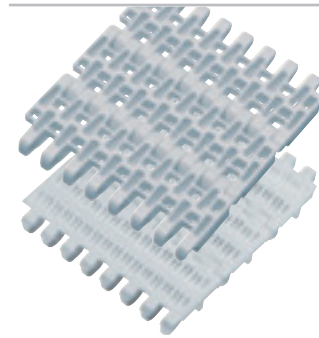
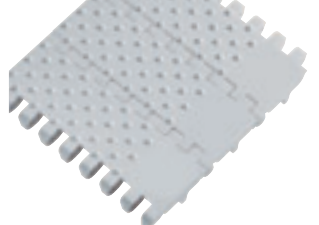
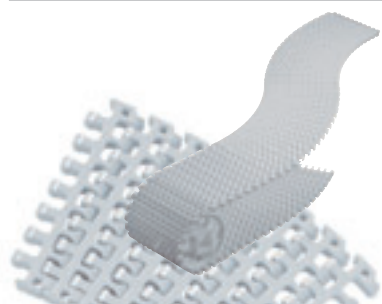
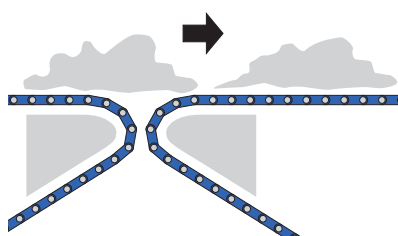
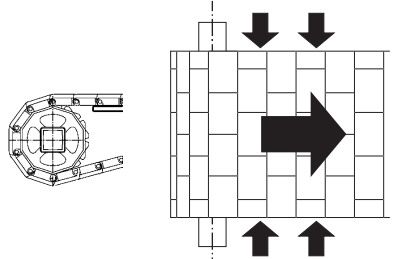
**HabasitLINK® modular belts**

Based on Habasit's comprehensive knowledge and the leadership position in traditional fabric based belting, we have developed the HabasitLINK® modular belt range. This state-of-the-art product line completes our offer as a single source supplier and partner for your success. Plastic modular belts are used successfully in a wide range of industries like meat, poultry, fish, fruit, vegetable, bakery, snacks, beverage and bottling, materials handling, paper and cardboard, tires, automotive, and many more.



Features	Benefits
 <ul style="list-style-type: none"> <li>• Oblong hole and open hinge design</li> <li>• Belt opens when moving over sprocket</li> <li>• Oblong hole improves water access to rod</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy cleaning through enlarged hinge gap</li> <li>→ Optimal cleanability</li> <li>→ Reduced cleaning time and cost</li> <li>→ Reduced risk of cross contamination</li> </ul>
 <ul style="list-style-type: none"> <li>• Offset hinge enables water access and deflects water jet into hinge area and oblong holes</li> </ul>	<ul style="list-style-type: none"> <li>→ Increased water-surface contact "self-cleaning effect"</li> <li>→ Efficient cleaning</li> <li>→ Reduced risk of cross-contamination</li> <li>→ Optimal support of hygiene and sanitary measures</li> </ul>
 <ul style="list-style-type: none"> <li>• Integrated cleaning with "ModulCLEAN"</li> <li>• Cleaning directly at the hinge area as it opens</li> <li>• Improved cleaning through inside out forces</li> <li>• Automatic operation (no personnel needed)</li> <li>• Detergents and sanitizers can be automatically applied</li> </ul>	<ul style="list-style-type: none"> <li>→ Increased cleaning efficiency</li> <li>→ Consistent cleaning procedure</li> <li>→ Increased productivity</li> <li>→ Reduced cleaning cost</li> </ul>

Comparison of conventional design


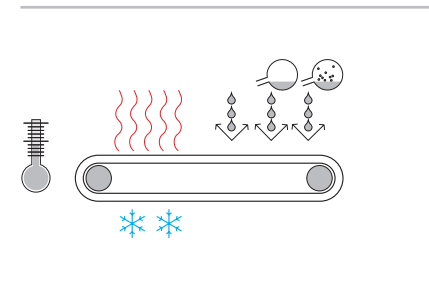

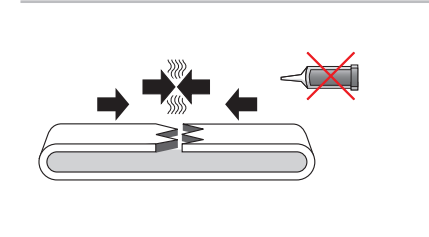
Features	Benefits
<p> <b>PP</b> = Polypropylene  <b>PE</b> = Polyethylene  <b>POM/AC</b> = Polyoxymethylene/ Acetal  <b>PA</b> = Polyamide  <b>HT/ST</b> = Special Materials                 </p> <ul style="list-style-type: none"> <li>• Large variety of plastic materials available</li> <li>• High temperature materials available (70°C / 158 °F to 200°C / 392 °F)</li> </ul>	<ul style="list-style-type: none"> <li>→ Adaptable to process/application</li> <li>→ Large temperature range suitable for e.g. microwave, shrink wrapping</li> <li>→ PE = easy release</li> <li>→ PE, PP = excellent chemical resistance</li> <li>→ POM = high impact resistance</li> </ul>
 <ul style="list-style-type: none"> <li>• Various open area belt styles</li> <li>• Smooth rounded design</li> </ul>	<ul style="list-style-type: none"> <li>→ Uniform and fast cooling</li> <li>→ Air and water permeable</li> <li>→ Easy release of sticky goods</li> <li>→ Supports cleaning and sanitation measures</li> <li>→ Higher productivity/throughput</li> </ul>
 <ul style="list-style-type: none"> <li>• Rough and rugged application suitable (frozen food)</li> </ul>	<ul style="list-style-type: none"> <li>→ Heavy duty rod and belt material available</li> <li>→ High lateral stiffness</li> </ul>
 <ul style="list-style-type: none"> <li>• Radius and straight transport with one single belt</li> </ul>	<ul style="list-style-type: none"> <li>→ Larger runs without transfers</li> <li>→ Smaller number of drives and motors</li> <li>→ Reduced cost for entire system</li> </ul>
 <ul style="list-style-type: none"> <li>• Nosebar construction</li> </ul>	<ul style="list-style-type: none"> <li>→ No damages of transported goods</li> <li>→ Smooth transfer</li> </ul>
 <ul style="list-style-type: none"> <li>• Positive drive and tracking by belt engaged with sprocket</li> <li>• Guided belt alignment</li> </ul>	<ul style="list-style-type: none"> <li>→ No need for tensioning device</li> <li>→ Reliable tracking</li> <li>→ Elimination of belt edge damages</li> <li>→ Simple system design</li> </ul>

# Features and benefits

## PVC-coated belts – HySAN food PVC

Habasit HySAN food PVC belts feature a new, highly oil and fat resistant coating material. PVC coated belts are widely used in food processing applications and are often a cost saving solution.

- FAB-8EOWV
- FAB-8EOCV
- FAB-12EOWV

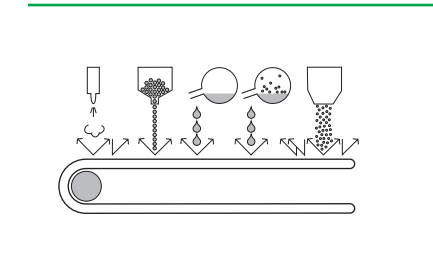
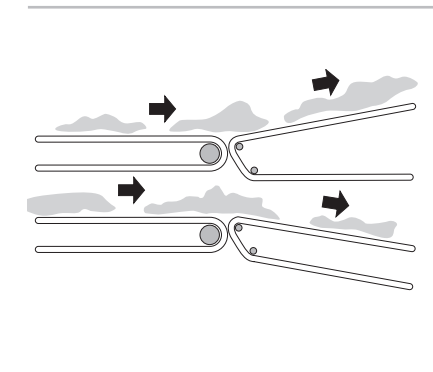
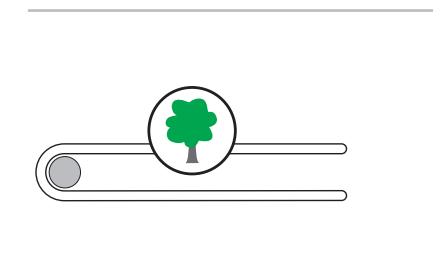
Features		Benefits
	<ul style="list-style-type: none"> <li>• A wide range of various surface types and structures</li> <li>• PVC, an economic coating material</li> </ul>	<ul style="list-style-type: none"> <li>→ The right conveyor and processing belt for each application</li> <li>→ Cost-“friendly” solution</li> </ul>
	<ul style="list-style-type: none"> <li>• Improved temperature resistance</li> <li>• Chemical resistance</li> <li>• Oil and fat resistance</li> </ul>	<ul style="list-style-type: none"> <li>→ Superior lifetime at temperatures up to 90°C / 194 °F</li> <li>→ Superior lifetime at wet, oily and fatty conditions</li> <li>→ Cleaning with chlorine containing detergents possible</li> </ul>
	<ul style="list-style-type: none"> <li>• Longitudinal flexibility</li> </ul>	<ul style="list-style-type: none"> <li>→ Belt can cope with small pulley diameters, compact design</li> <li>→ Lower cost</li> <li>→ Long belt life</li> </ul>
	<ul style="list-style-type: none"> <li>• Simple and fast joining method (Flexproof)</li> </ul>	<ul style="list-style-type: none"> <li>→ Easy handling</li> <li>→ Adhesive-free joint</li> <li>→ Minimum equipment needed</li> <li>→ Short machine downtimes</li> </ul>

# Features and benefits

## TPO/Habilene® coated belts (TPO = Thermoplastic Polyolefine)

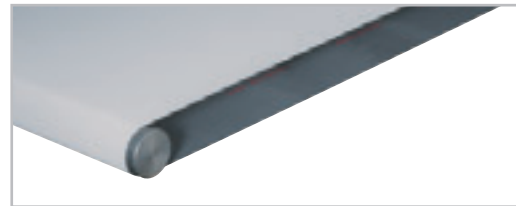
Habilene® is a Habasit modified Polyolefine which represents the newest development of Habasit food belts with unique features among food conveyor belt coatings.


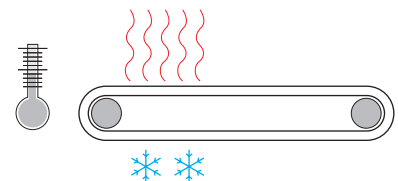
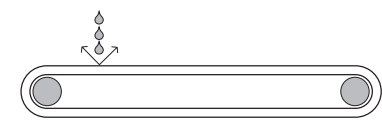

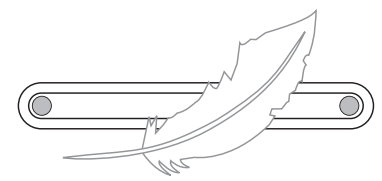
- Cleanline® belts**
- CNB-series
  - CAB-series
  - CNF-series
  - CNW-series

Features		Benefits
	<ul style="list-style-type: none"> <li>• Very good chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>→ Cleaning with aggressive chemical such as chlorine, possible</li> <li>→ No surface damage due to cleaning agents</li> <li>→ Longer service life</li> </ul>
	<ul style="list-style-type: none"> <li>• Excellent release properties</li> </ul>	<ul style="list-style-type: none"> <li>→ Excellent release of sticky products</li> <li>→ Less soiling</li> <li>→ Increased hygiene and product quality</li> <li>→ Reduction of waste</li> </ul>
	<ul style="list-style-type: none"> <li>• Environment friendly product construction</li> </ul>	<ul style="list-style-type: none"> <li>→ Belts contain no glues or toxic chemicals</li> <li>→ HACCP support, reduced risk of contamination</li> <li>→ Lower belt disposal costs</li> </ul>

TPU food conveyor and processing belts combine many features that are supporting reliable and hygienic production processes.

- FAB-series
- FNB-series
- FMB-series
- FAW-series
- FAS-series
- FAF-series



Features	Benefits
 <ul style="list-style-type: none"> <li>• Calendered TPU coating</li> <li>• A wide range of various surface types and structures</li> </ul>	<ul style="list-style-type: none"> <li>→ Abrasion – and cut-resistant belt surface</li> <li>→ Constant coefficient of friction over entire belt lifetime</li> <li>→ Long belt life</li> </ul>
 <ul style="list-style-type: none"> <li>• Temperature resistant</li> </ul>	<ul style="list-style-type: none"> <li>→ Usable in low temperature environments and warm conditions without changing its features</li> <li>→ High temperature belt available up to 100 °C / 212 °F</li> </ul>
 <ul style="list-style-type: none"> <li>• Oil and fat resistant</li> </ul>	<ul style="list-style-type: none"> <li>→ Reliable transport / flow</li> <li>→ Long service life of belt</li> </ul>
 <ul style="list-style-type: none"> <li>• Longitudinal flexibility</li> </ul>	<ul style="list-style-type: none"> <li>→ Belt can cope with small pulley diameters, compact design</li> <li>→ smooth and trouble-free product transfer</li> <li>→ Low energy consumption</li> </ul>
 <ul style="list-style-type: none"> <li>• Light weight belt construction, designed for heavy duty application</li> <li>• Wide range of different strength classes and traction layers</li> </ul>	<ul style="list-style-type: none"> <li>→ Low belt weight/mass</li> <li>→ Suitable for high speed and rapid acceleration</li> <li>→ Low energy consumption</li> <li>→ Economic, high output/flow/production</li> </ul>

### Antimicrobial belts

Habasisit offers belts with antimicrobial additives. A belt concept especially designed to complement existing hygiene and safety procedures in food processing plants. Daily use and cleaning cause mechanical stress and damage to belt surfaces. This leads to increased retention of soil and growth of microorganisms, as neither optimal cleaning intervals nor a sophisticated HACCP concept can guarantee effective cleaning. HabaGUARD® and HyGUARD® antimicrobial belts contain an additive that protects the entire belt throughout its service life against microorganisms, especially in micro cracks and cuts that are inaccessible to cleaning procedures.

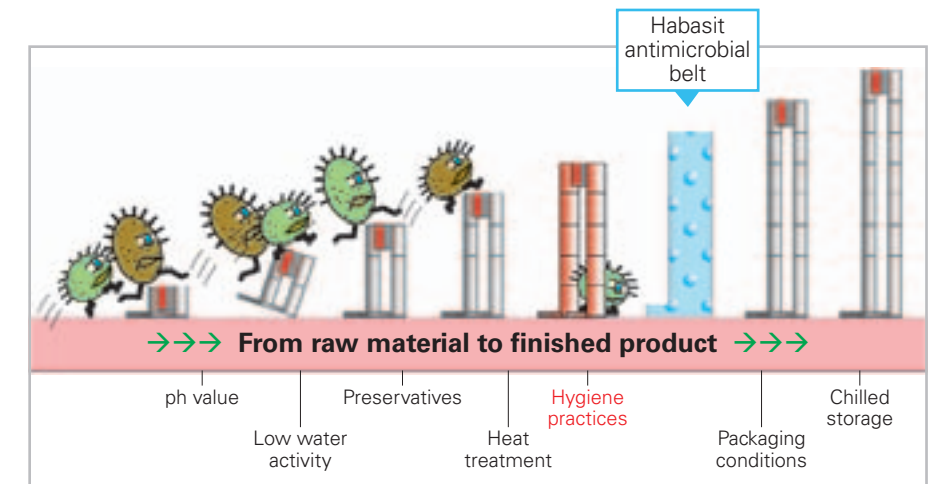
### Compliance with legal regulations and geographical allocation

Legal requirements for products containing antimicrobials are specific to each geographical region. Therefore Habasisit offers different ranges of products, which comply fully with the regulations of various geographical regions, e.g. North America, European Union, Japan, East and South-East Asia. The products are not exchangeable.

Kind of belts	Geographical allocation of products
<b>Modular belts</b>	<b>HabaGUARD® North America</b>
<b>Fabric based/coated belts</b>	<b>HabaGUARD® North America</b>
	<b>HyGUARD® Europe</b>
	<b>HyGUARD® Japan</b>

### Prevention of growth of microorganism

With HabaGUARD® and HyGUARD® antimicrobial belts Habasisit offers an additional hurdle to help prevent the growth of microorganisms. Illustration: Main hurdles with antimicrobial belts



### Advantages of Habasisit antimicrobial belts

- Full compliance with legal regulations
- Additional hurdle against microorganisms
- Delay formation of biofilms
- Avoid build-up of bacteria in areas difficult to reach by common cleaning procedures

### General Remark

The use of HabaGUARD® or HyGUARD® antimicrobial belts are an important and precautionary step in the prevention of microbial growth and supports efficiently hygiene and sanitary measures. But it does not replace usual cleaning measures and does not protect users against food-borne disease. Adhering to proper cleaning procedures is always essential.

### Information

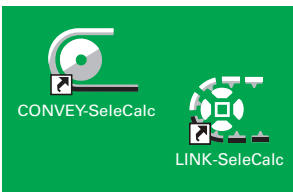
More detailed information is available from any Habasisit representative or in the respective Habasisit literature.

**Offering a comprehensive range of services is part of Habasit's belting solutions approach. We are committed partners of our customers, and we consider the sharing of knowledge and providing of support as an essential task. And this we offer:**



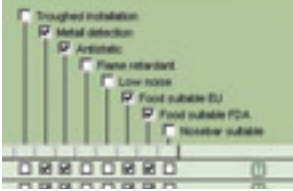
**Consulting and technical support**

Habasit offers the best consulting and technical support on the belting market for fabric belts and plastic modular belts based on the experience and competence acquired in more than 50 years.



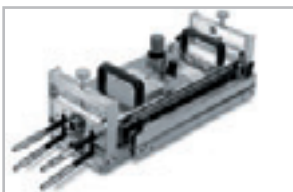
**Belt selection and calculation**

For our customers we select and calculate the most suitable belt for a specific application. However, customers may do it themselves thanks to the state-of-the-art Habasit selection and calculation programs "SeleCalc." For ordering these programs free of charge simply call the nearest Habasit partner or contact: info@habasit.com  
**CONVEY-SeleCalc** = Fabric conveyor belt selection and calculation  
**LINK-SeleCalc** = Plastic modular belt selection and calculation



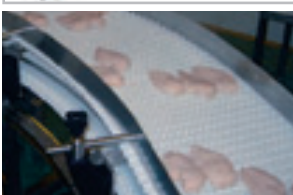
**Fabrication or assembling**

We join fabric belts or assemble plastic modular belts at our locations or on-site directly on the machine or on the system.



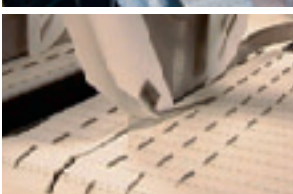
**Shortest lead times and installing service at hand**

Habasit owns 25 Affiliated Companies located in North America, Europe, Japan and Asia, each with own inventory, fabrication, assembling and service facilities. Together with our country managers, representative offices and a large number of qualified distributors we are in a position to react quickly, competently and reliably to customers' demands on an international scale.



**Testing at customer's site**

If desired we are testing process functionality, alternative products and variations of fabric belts or modular belts at the customer's site.



**Legal and conformity check**

We are supporting our customers with respect to declaration issues, conformity issues or conformance with national laws/authorities like FDA, USDA, EU, Safety data sheets, Flame-retardant conformity, etc.



**Belt inspections and analyses**

We are carrying through belt inspections, analyses, surveys per location and work out the necessary reports and recommendations.



**Belt repair**

We have developed sophisticated repair methods and equipments with proven effectiveness.

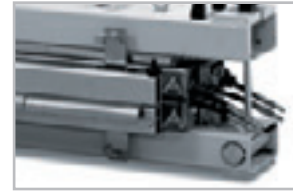
**Process optimization proposals**

We analyze processes together with the customer and submit proposals for optimization, e.g. added value for the machinery/process output, output increase.



**Special belt fabrication**

We offer special fabrications, such as longitudinal joining, edge sealing, profile welding, guide profiles welding, hole punching, side skirt installations, curve conveyor layout/cutting preparation, etc.



**Joining tools and auxiliaries equipment**

To support an effective and efficient fabrication of our belts, we developed and offer a broad range of tools and devices designed to meet the needs of our customers and distribution/service partners. This range covers the requirements of inhouse fabrication (series and specialties) as well as those of on-site installations of conveyor and power transmission belts and tapes.



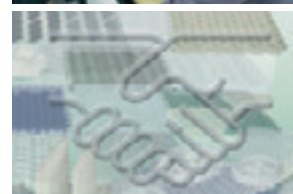
For example slitters, skiving tools, Flexproof (zig/zag) finger cutting tools, hot-presses and auxiliaries like coiling and welding devices.

For plastic modular belts HabasitLINK® we are well equipped with own designed and manufactured semi-automated assembling machines.



**Training**

Habasit organizes training programs and provides supporting tools to ensure optimal use of our products and prolonging their life cycle. Fabrication, installing, assembling, maintenance and belt repair training is carried through at Habasit's or at customer's site.



**Specific application knowledge transfer**

Habasit provides application specific knowledge transfer for process specific issues to allow for optimal use of our products and to optimize machinery and processes.

**Guaranteed performance**

Our faith in our products is such that if one of our sales specialists has recommended a belt for a specific application, we will guarantee its performance. Should for any reason that belt not perform optimally, your money will be refunded unconditionally.

Customized services



**Designing the future "Partner in Design"**

Habasit believes in partnership. For joint design developments our engineering team is looking for strong cooperation with the customer's engineering team, preferably at a very early stage. We offer this cooperation to large customers.  
Co-design: We work together for success



**Testing offer for customer**

R&D expertise, laboratory and test equipment are offered for the customer's specific process needs like mechanical endurance testing, influence of customer/process used chemicals/ingredients or thermal influence behavior on belts.

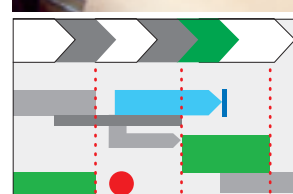


**Belt monitoring**

A customized Habasit service that includes maintenance, regular belt monitoring reports, regular review meetings with the responsible person for process/production at customer's site.

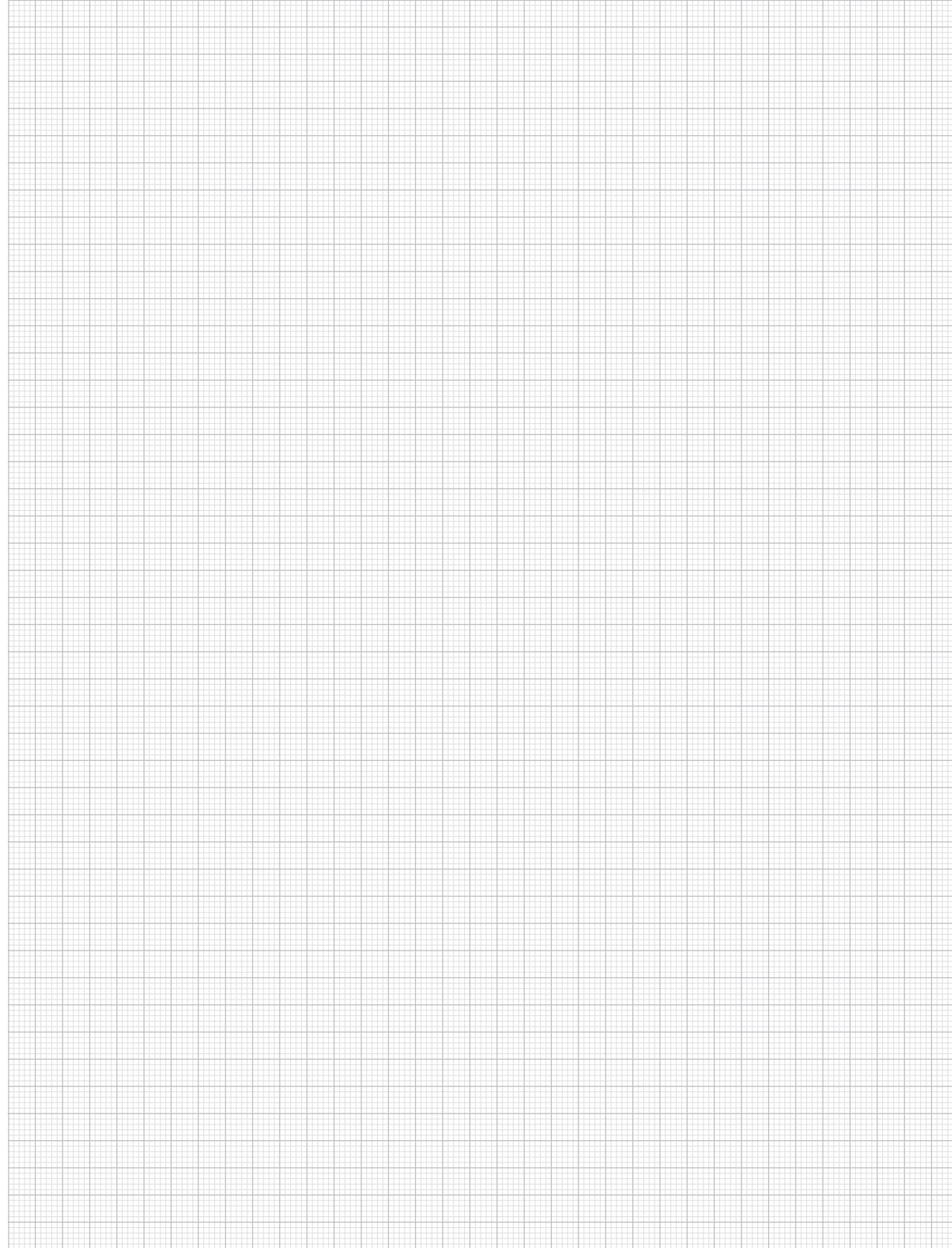
**Customized service agreements**

According to the specific needs of our customers we offer customized services like inventory, emergency service, belt exchange services or order/re-order management.

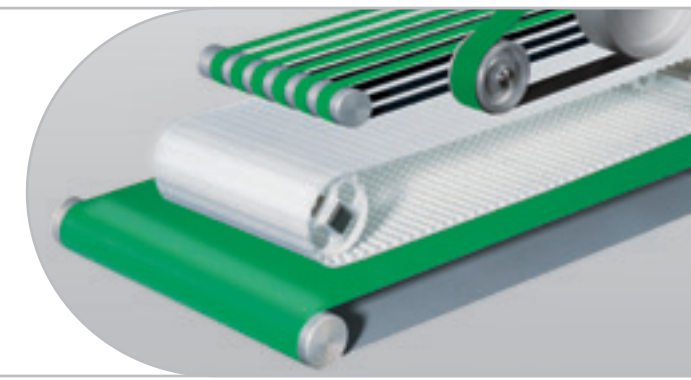


**Project management**

We are experienced partners for belting project co-ordination on an international scale for globally operating customers.



# The Habasit Solution



**At Habasit, we listen. We innovate.  
And we deliver integrated belting solutions – right first time.**

### Customer first

Habasit understands that our success depends on the success of our customers. That's why we offer solutions, not just products; partnership, not just sales. Our innovative belting solutions are tailored exactly to specific needs. We guarantee best value for money in every application. Since its foundation in 1946, Habasit has proven this understanding of customer needs for more than 50 years. That's why we are no. 1 in belting. Worldwide.

### Product range

Habasit offers the largest selection of fabric and plastic modular belts in the industry. Our answer to any request is nothing less than a specific, tailor-made solution.

- Fabric conveyor & processing belts
- Plastic modular belts
- Power transmission belts
- Machine tapes
- Seamless belts
- Round belts
- Timing belts
- Auxiliaries (e.g. profiles, tools)



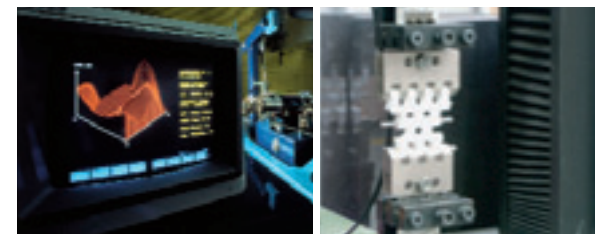
### Innovation / R&D

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

### Global network

#### Facts & figures

Founded	1946
Turnover 2002	CHF 422 million
Sales to market	4 million m <sup>2</sup>
Employees	2200
Production plants	12
Affiliated companies	25
Representatives	50 countries
Service centers	250 globally



### Services & guarantees

Our extensive organization is prepared 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.

### Quality

Highest quality standards are found not only in our products, but also in our employees' daily work process. Based on a worldwide TQM approach, Habasit was awarded ISO 9001 certification already in 1989. In the year 2002 we achieved certification according to the revised standard ISO 9001/2000



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

**Austria**

Habasit GmbH, Wien  
Phone: +43 1 690 66  
www.habasit.at

**Belgium**

Habasit Belgium N.V., Zaventem  
Phone: +32 2 725 04 30  
www.habasit.be

**Canada**

Habasit Canada Ltd., Oakville  
Phone: +1 905 827 4131  
www.habasit.ca

**China**

Habasit East Asia Ltd., Hong Kong  
Phone: +852 2145 01 50  
www.habasit.com

**Czech Republic**

Habasit Bohemia spol. s.r.o., Brno  
Phone: +4205 41 421 651  
www.habasit.cz

**France**

Habasit France S.A., Mulhouse  
Phone: +33 389 33 89 03  
www.habasit.fr

**Germany**

Habasit GmbH, Eppertshausen  
Phone: +49 6071 969 0  
www.habasit.de

**Hungary**

Habasit Hungária Kft., Esztergom  
Phone: +36 33 510 610  
www.habasit.hu

**India**

Habasit-lakoka Pvt. Ltd., Coimbatore  
Phone: +91 422 262 78 79  
www.habasitlakoka.com

**Italy**

Habasit Italiana Spa  
Customer Care:  
Phone: 199 199 333  
For int. calls: +39 0438 911444  
www.habasit.it

**Japan**

Habasit Nippon Co. Ltd., Yokohama  
Phone: +81 45 476 03 71  
www.habasit.co.jp

**Latvia**

Habasit Baltic SIA, Daugavpils  
Phone: +371 54 074 88  
www.habasit.lv

**Netherlands**

Habasit Netherlands BV, Nijkerk  
Phone: +31 33 24 72 030  
www.habasit.nl

**Norway**

Habasit Norge A/S, Oslo  
Phone: +47 22 90 92 80  
www.habasit.no

**Romania**

Habasit Import/Export Romania SRL,  
Bucuresti, Phone: +40 21 323 95 65  
www.habasit.ro

**Russia**

Habasit Moscow  
Phone: +7 09 59 561 508  
www.habasit.ru

**Singapore**

Habasit Far East Pte. Ltd., Singapore  
Phone: +65 6862 55 66  
www.habasit.com.sg

**Spain**

Habasit Hispanica S.A.,  
Barberà del Vallès  
Phone: +34 93 719 19 12  
www.habasit.com

**Sweden**

Habasit AB, Hindas  
Phone: +46 301 226 00  
www.habasit.se

**Switzerland**

Habasit Schweiz, Reinach  
Phone: +41 61 715 15 75  
www.habasit.ch

**Taiwan**

Habasit East Asia (Taiwan) Ltd.  
Taipei Hsien  
Phone: +886 2 8261 8330  
www.habasit.com

**Ukraine**

Habasit Ukraina, Vinnica  
Phone: +38 0432 53 17 35  
or +38 0432 53 67 38  
www.habasit.ua

**United Kingdom and Ireland**

Habasit, Corby  
Phone: +44 1536 402 340  
www.habasit.co.uk

**USA**

Habasit Belting Inc., Suwanee,  
Georgia, Phone: +1 678 288 3600  
www.habasitusa.com

**USA (Seamless belts only)**

Habasit ABT Inc., Middletown,  
Connecticut, Phone: +1 860 632 2211  
www.habasitabt.com

**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.

**Headquarters**

Habasit AG  
Römerstrasse 1  
CH-4153 Reinach, Switzerland  
Phone +41 61 715 15 15  
Fax +41 61 715 15 55  
E-mail info@habasit.com  
www.habasit.com

Registered trademarks  
Copyright Habasit AG  
Subject to alterations  
Printed in Switzerland  
Publication data:  
2030BRO.FOD-en0504HQR