

Meat and Poultry Industry Conveyor and Processing Belts

Habasit–Solutions in motion



Innovation and process improvements

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

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

Considering hygienic design principles for food conveyor and processing belts our top priority, Habasit products support HACCP concepts and safe food production, which means, quite simply, that we

deliver tomorrow's sanitation standards today.

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

Recent innovations include:

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

Habasit is the only belt supplier to manufacture and provide complete packages of different belting categories, as well as belting accessories like cleats, edge sealing, corrugated side walls, plastic side guards and guide rails, for all products within our portfolio.

Contents

Tomorrow's sanitation standards today	2
Industry focus	3
Process overview – Meat	4–5
Process overview – Poultry	6–7
Product ranges	8–9
Belt surfaces/styles	10–11
Application table	12–13
Worldwide service network	14
The Habasit solution	15
Contacts	16

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.

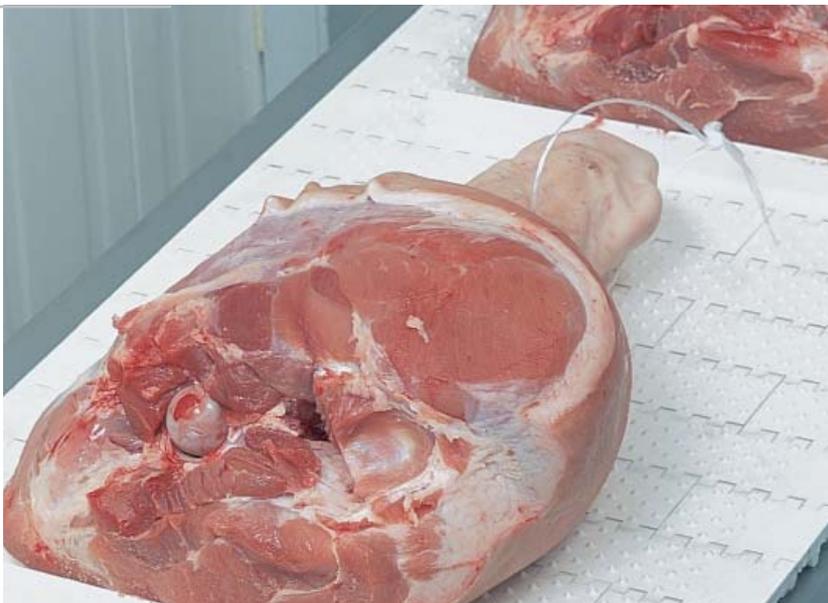
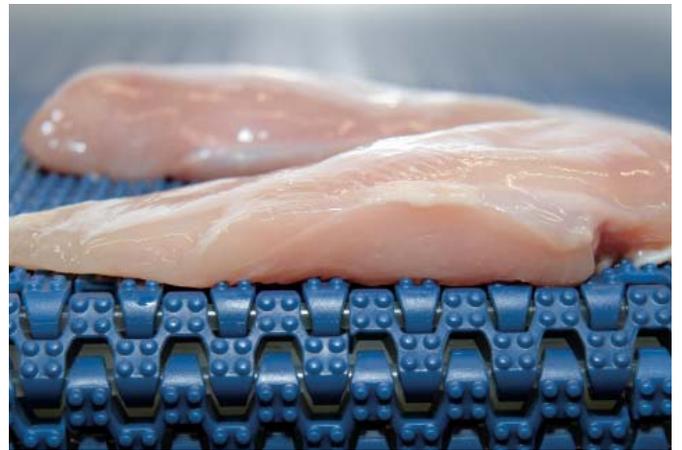
Focus on meat and poultry processing

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

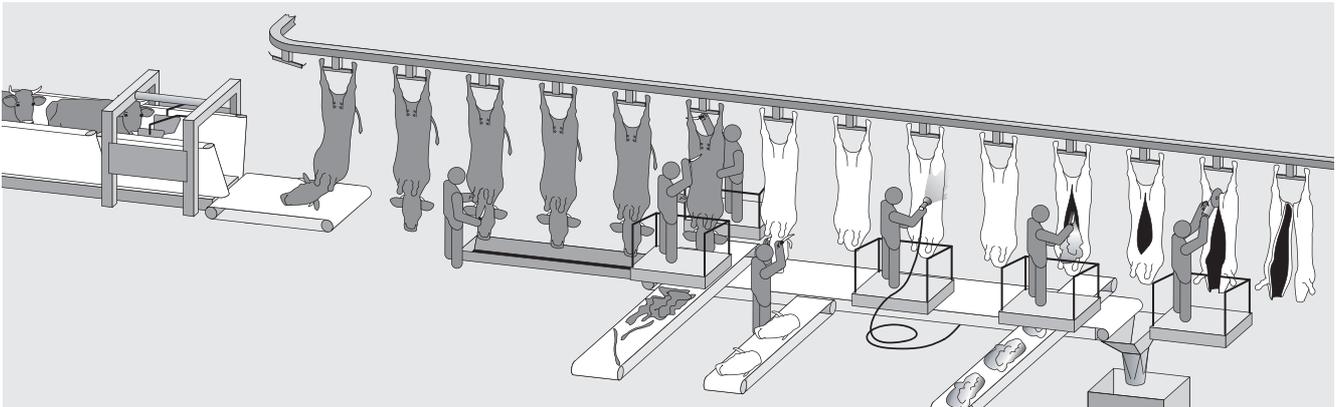
Habasit products support every stage of meat and poultry manufacture. Habasit food conveyor and processing belts are used in:

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

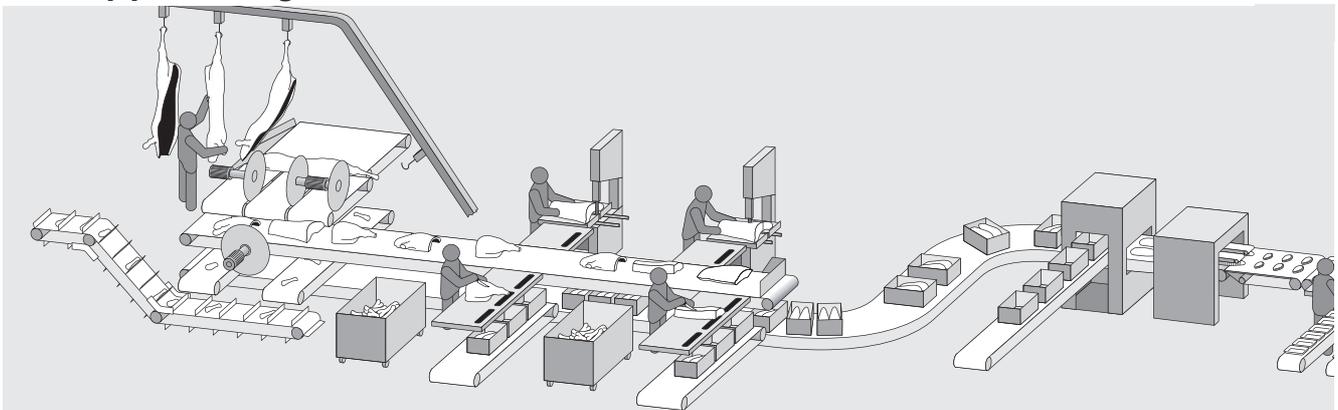




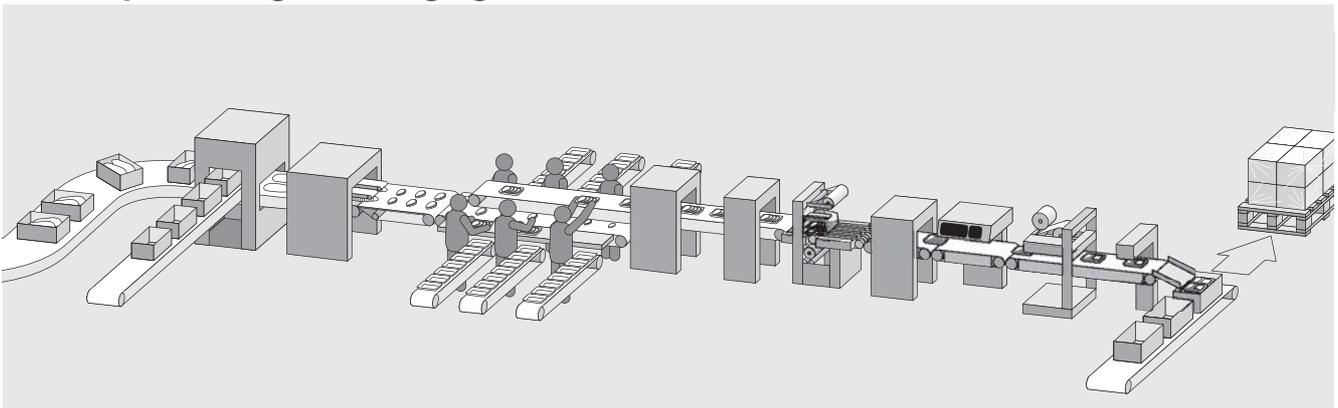
Slaughtering



Primary processing

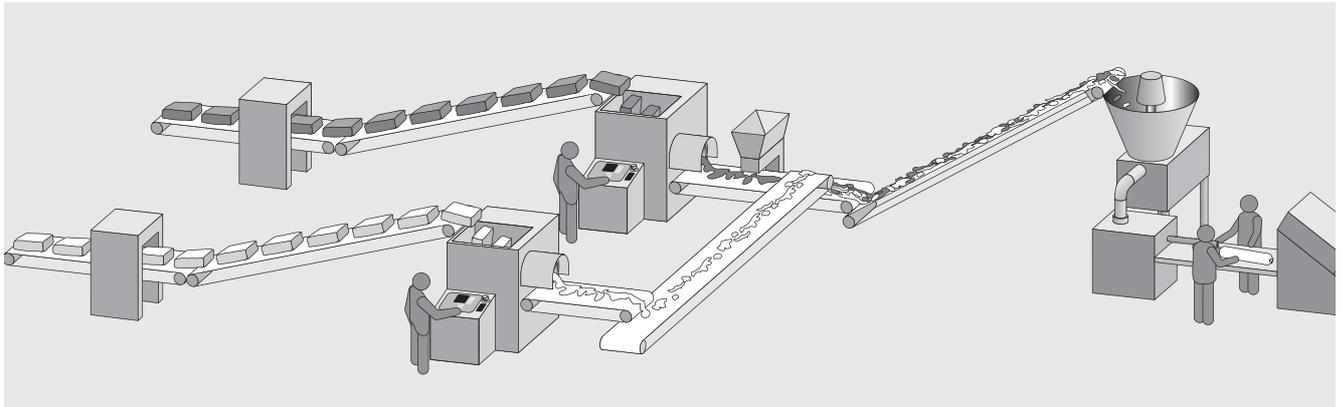


Further processing • Packaging

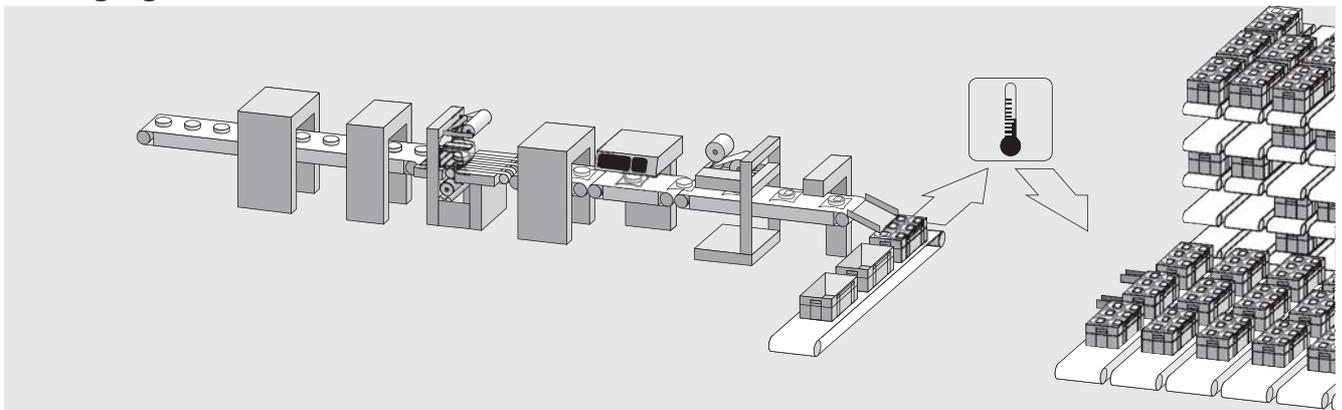




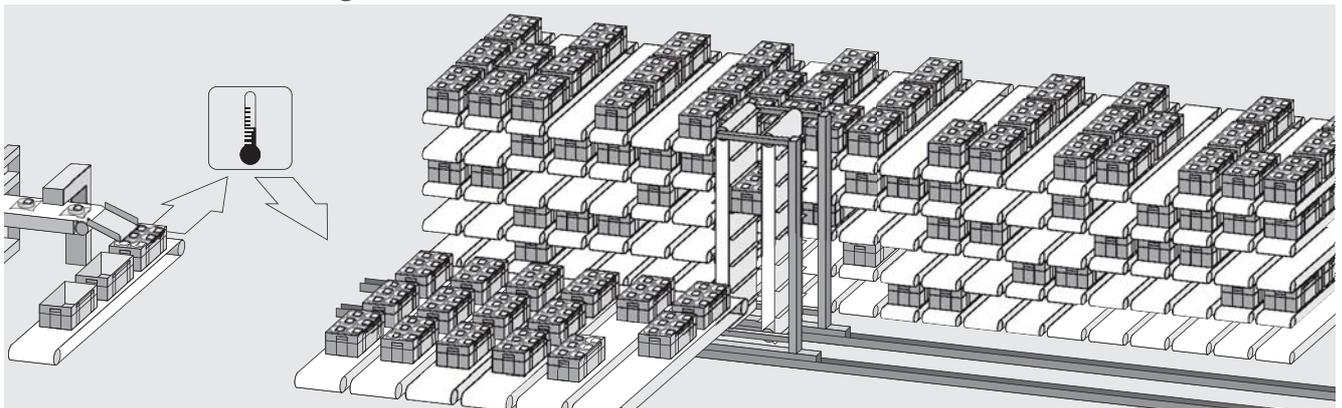
Sausage manufacturing



Packaging

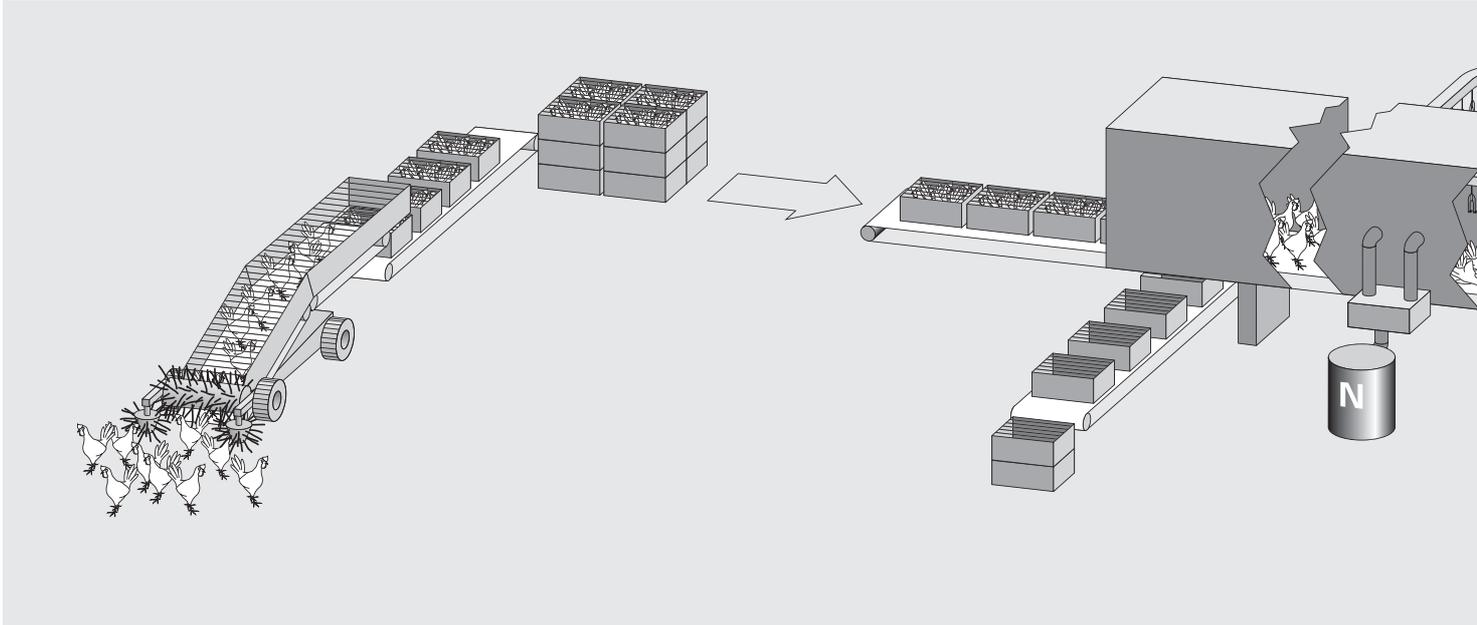


Box and crate handling

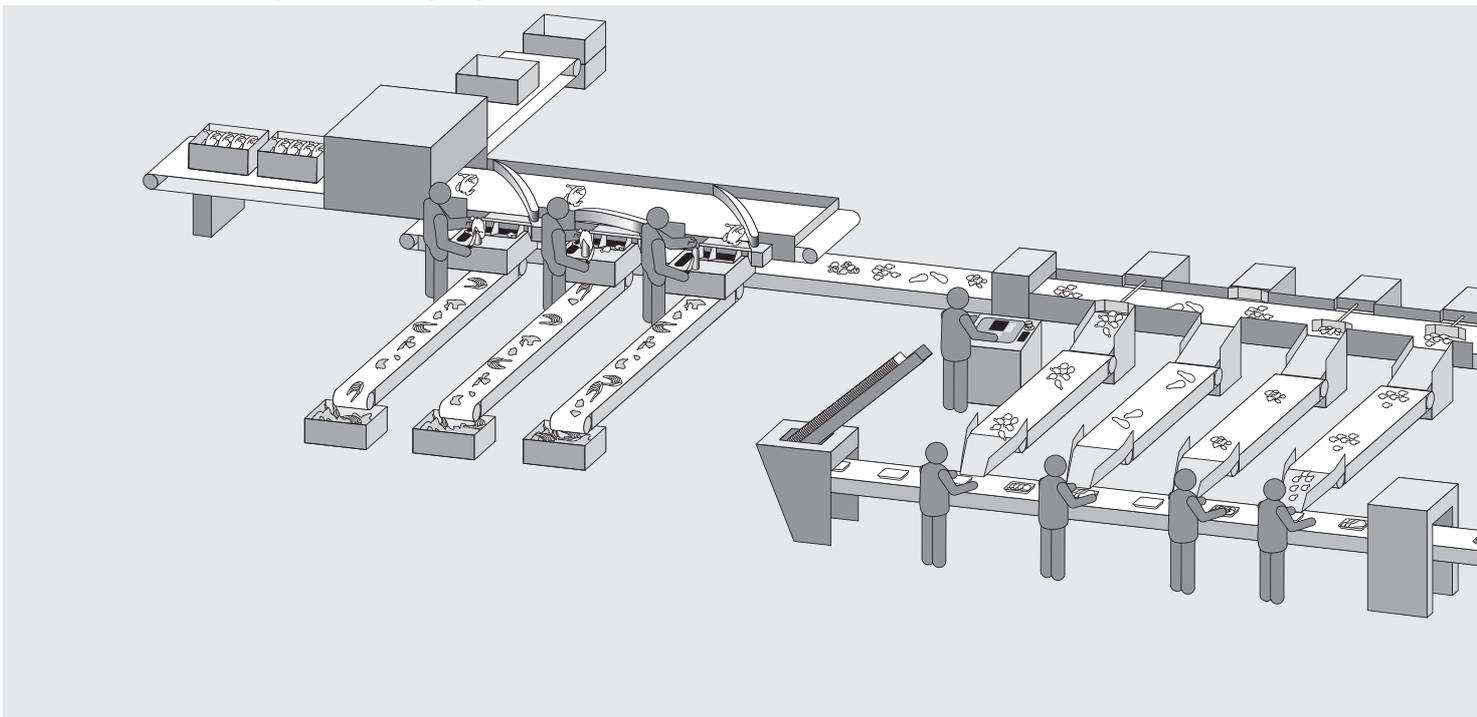


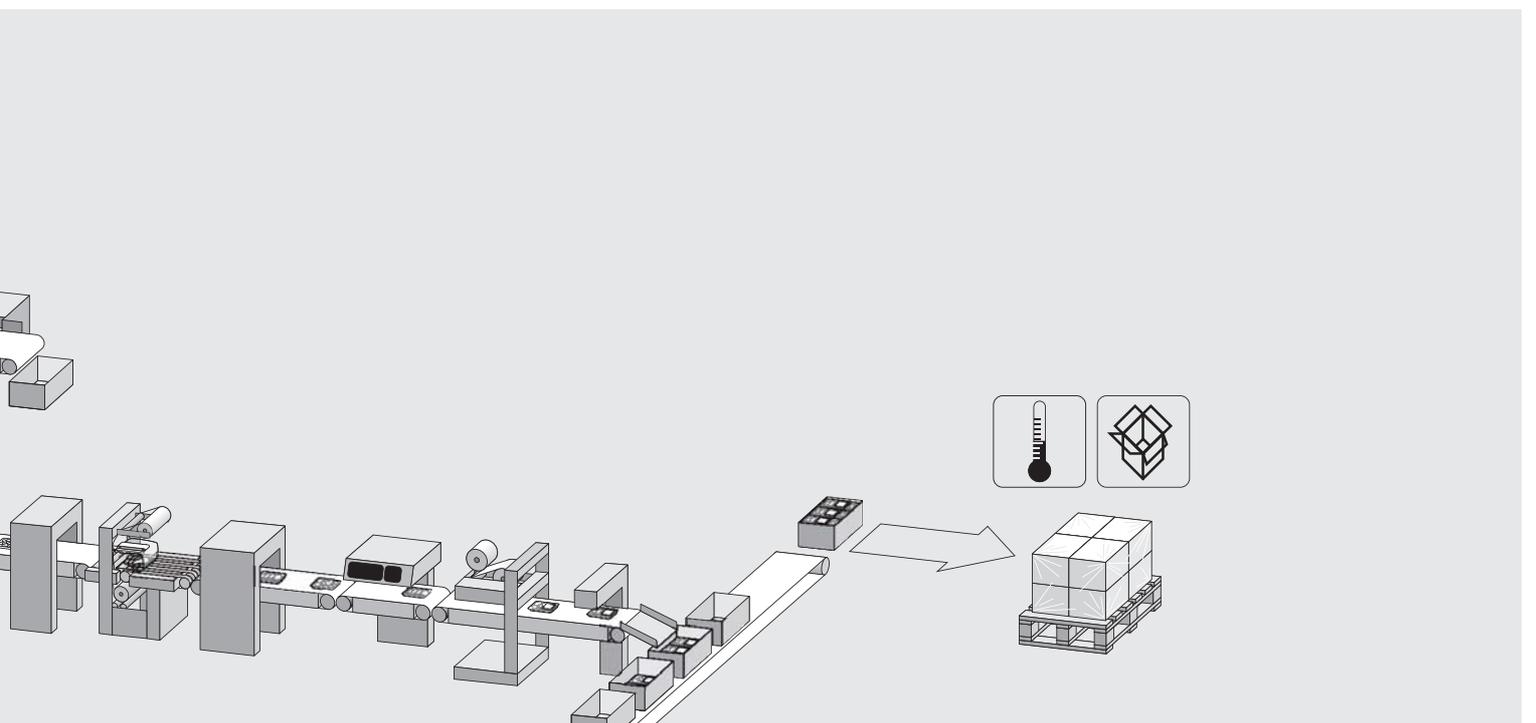
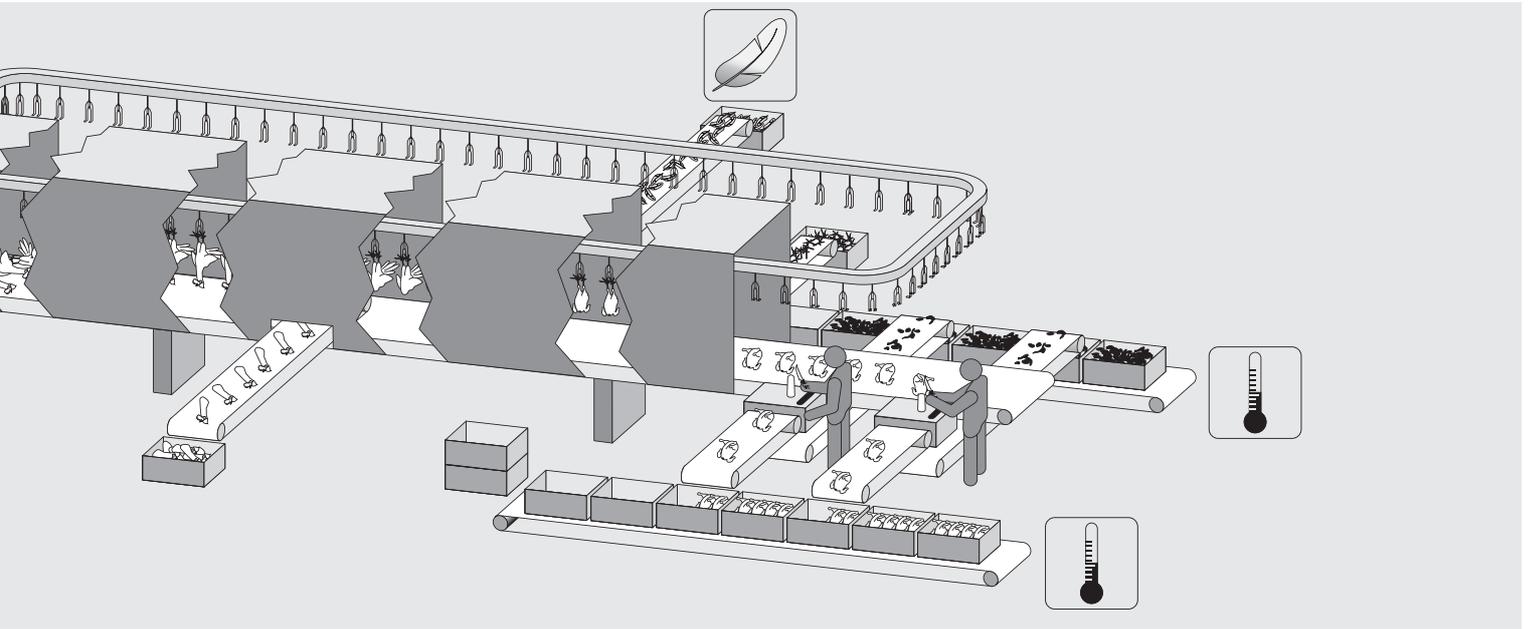
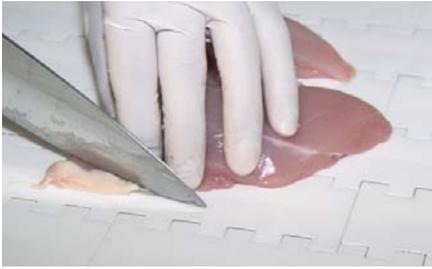


Slaughtering • Primary processing



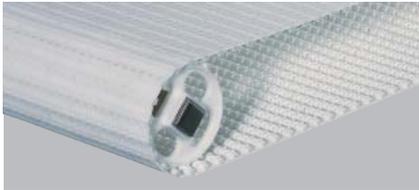
Further processing • Packaging



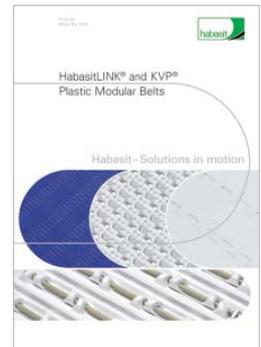


Habasit offers a broad variety of solutions allowing you to choose the ideal belting product for your specific meat processing application.

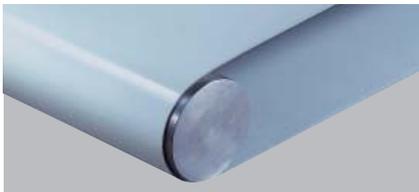
HabasitLINK® Plastic Modular Belts



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



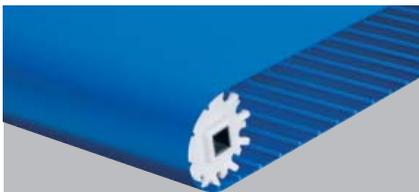
Fabric-based/coated conveyor belts



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



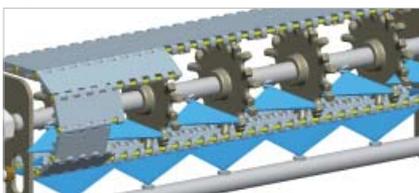
HabaSYNC® Timing Belts



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

Special solutions

HyCLEAN CIP



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



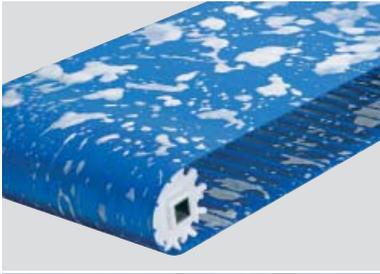
Gearmotors



For corrosive and aseptic applications and environments.

Please consult Habasit brochures and flyers: 4128, 4196, 4228, 4238, 4269, 4275 and Rossi brochure: 2003

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

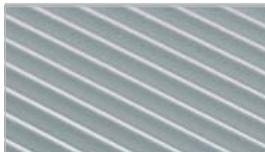
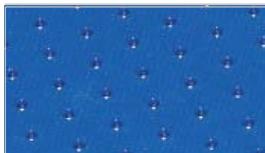
	Key features	Your benefits
	<p>HabasitLINK® Plastic Modular Belts</p> <ul style="list-style-type: none"> • Dynamic open hinges and oblong holes • Various closed and open belt styles and embossings • Unique HyCLEAN product family with patented design 	<ul style="list-style-type: none"> → Easy cleaning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

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

Habasit Cleandrive®**Key features****Your benefits****Cleandrive®**

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

- 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

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
- Antimicrobially equipped coatings provide an additional defense 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**Habibue**

- 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

HabasitLINK® Plastic Modular Belts

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

		HabasitLINK® Plastic Modular Belts														
		M6360 Flat Top	M5290/93 Radius Flush Grid	M5065 HycLEAN Flat Top	M5064 Nub Top	M5060 Flat Top	M5014 Nub Top	M5013 Cone Top	M5010 Flat Top	M3840 Radius Flush Grid	M2585	M2540 Radius Flush Grid	M2533 Flush Grid	M2510 Flat Top	M2514 Nub Top	
		Straight 2 1/5" pitch	Spiral 2" pitch	Straight 2" pitch	Straight 2" pitch	Straight 2" pitch	Straight 2" pitch	Straight 2" pitch	Straight 2" pitch	Radius 1 1/5" pitch	Straight 1" pitch	Radius 1" pitch	Straight 1" pitch	Straight 1" pitch	Straight 1" 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					•			•	•		•	•				

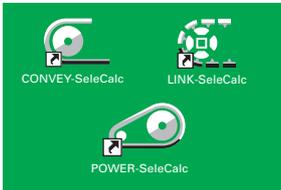
Comprehensive services are central to Habasit's belting solution approach.

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



Comprehensive consulting and technical support

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



Assistance with belt selection and calculation

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



Fabrication, assembly and local installation services for quick reaction times

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



Customer training programs

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



Belt monitoring, inspections, analyses and process optimization proposals

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



Design assistance for customized solutions

Habasit believes in partnership. Our engineering team will work closely with your engineers on joint design developments, preferably from a very early stage. We particularly recommend this for projects involving new technologies or large-scale modifications and adaptations.

At Habasit, we listen to our customers, innovate continuously and deliver reliable solutions to meet your every need.

Customers come first

At Habasit we understand that our success depends on your success. This is why we offer solutions, not just products; partnership, not just sales.

Since our foundation in 1946, Habasit has brought this understanding of customer needs to life every day and for every application. That's why we're the No. 1 in belting today. Worldwide.



Committed to innovation

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



Certified for quality

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



Worldwide leading product range

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

A selection of our product ranges:



HabaFLOW®
Fabric based conveyor and processing belts



HabasitLINK® / KVP
Plastic modular belts



HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



HabiPLAST®
Profiles, Guides
Wear strips



Machine tapes



Seamless belts



Round belts



Fabrication tools (joining tools)



Gear reducers
Gearmotors
Motion control



Electric motors

Worldwide support

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

For additional information please visit:
www.habasit.com

Austria

Habasisit GmbH, Wien
Phone: +43 1 690 66
www.habasisit.at

Belgium

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

Canada

Habasisit Canada Ltd., Oakville
Phone: +1 905 827 4131
www.habasisit.ca

China

Habasisit East Asia Ltd., Hong Kong
Phone: +852 2145 01 50
www.habasisit.com.hk

Habasisit (Shanghai) Co., Ltd.
Shanghai

Phone: +8621 5488 1228
Phone: +8621 5488 1218
www.habasisit.com.hk

Czech Republic

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

France

Habasisit France S.A.S., Mulhouse
Phone: +33 389 33 89 03
www.habasisit.fr

Germany

Habasisit Rossi GmbH,
Eppertshausen
Phone: +49 6071 969 0
www.habasisitrossi.de

Hungary

Habasisit Hungária Kft., Esztergom
Phone: +36 33 510 610
www.habasisit.hu

India

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

Italy

Habasisit Italiana SpA
Customer Care:
Phone: 199 199 333
For int. calls: +39 0438 911444
www.habasisit.it

Japan

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

Netherlands

Habasisit Netherlands BV, Nijkerk
Phone: +31 33 24 72 030
www.habasisit.nl

New Zealand

Habasisit Australasia Ltd., Hornby
Phone: +64 3348 5600
www.habasisit.co.nz

Norway

Habasisit Norge A/S, Oslo
Phone: +47 81 55 84 58
www.habasisit.no

Poland

Habasisit Polska Sp. zo.o.,
Dąbrowa Górnicza,
Phone: +48 32 639 02 40
www.habasisit.pl

Romania

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

Russia

OOO Habasisit Ltd., St. Petersburg
Phone: +7 812 325 40 82
www.habasisit.ru

Singapore

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

Spain

Habasisit Hispanica S.A.,
Barberà del Vallès
Phone: +34 93 719 19 12
www.habasisit.es

Sweden

Habasisit AB, Hindas
Phone: +46 301 226 00
www.habasisit.se

Switzerland

Habasisit Schweiz, Reinach
Phone: +41 61 715 15 75
www.habasisit.ch

Taiwan

Habasisit Rossi (Taiwan) Ltd.
Taipei Hsien
Phone: +886 2 2267 0538
www.habasisit.com.tw

Turkey

Habasisit Kayis San. Ve Tic. Ltd. Sti.
Yenibosna - Bahcelievler - Istanbul
Phone: +90-212-654 94 04
www.habasisit.com.tr

Ukraine

Habasisit Ukraina, Vinnica
Phone: +38 0432 58 47 35
www.habasisit.ua

United Kingdom and Ireland

Habasisit Rossi (UK) Ltd., Silsden
Phone: +44 870 835 9555
www.habasisitrossi.co.uk

USA

Habasisit America
Conveyor belts, power
transmission belts, gearmotors
Suwanee, Georgia
Phone: +1 800-458-6431
www.habasisitamerica.com

Habasisit America
Seamless belts, timing belts
Middletown, Connecticut
Phone: +1 860 632 2211
www.seamlessbelts.com
www.habasisync.com

ROSSI GERMOTORS

is one of Europe's largest
manufacturer of gear reducers,
garmotors, inverters, standard
and brakemotors.

Rossi Motoriduttori S.p.A. is a
company of the Habasisit Group.

Rossi Motoriduttori S.p.A.
Via Emilia Ovest 915/A
41100 Modena – Italy
Phone: +39 059 33 02 88
www.rossi-group.com
info@rossi-group.com

Headquarters

Habasisit AG
CH-4153 Reinach-Basel
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasisit.com
www.habasisit.com

Copyright Habasisit AG
Subject to alterations
Printed in Switzerland
Publication data:
2030BRO.FOD-en0410HQR