

Meat and Poultry Industry Conveyor and Processing Belts

Habasit – Solutions in motion



This **disclaimer** is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products").

SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals.

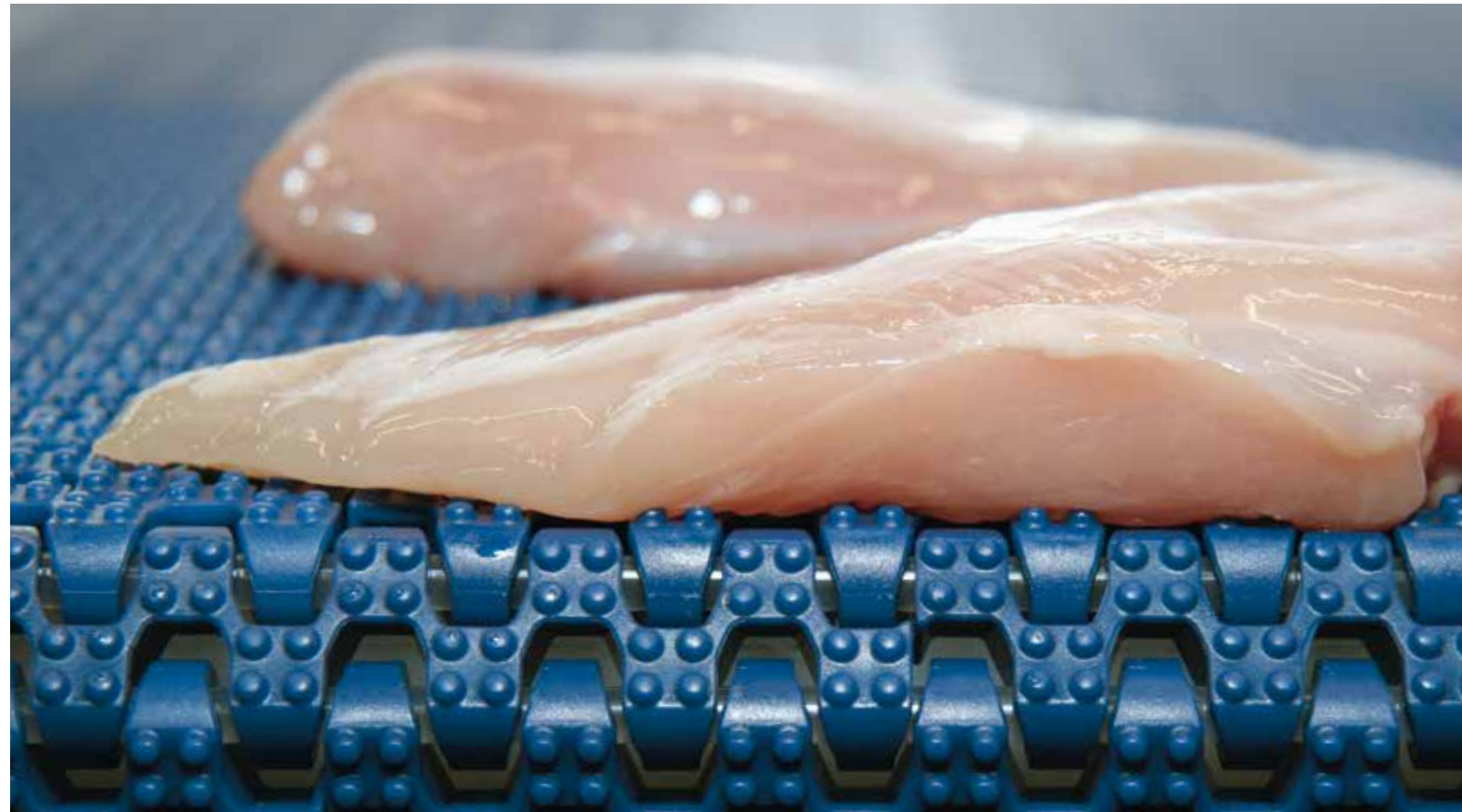
All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose.

The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.

EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.



Safe, clean and efficient processes	4
Industry focus	5
Process overview	6
Product ranges	8
Features and benefits	9
Belt surfaces and styles	10
Application table	12
Services	14
The Habasit solution	15
Contacts	16



Innovation and process improvements

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

Industrial food production, especially sensitive processes in the protein industry, require advanced technologies and equipment able to cope with the major challenges of today: optimized efficiency, reduced downtime and yield increase; compliance with the latest hygienic design requirements and food legislation; as well as improved cleaning efficiency and sanitation – all with the ultimate aim of providing safe food at a reasonable cost. Conveyor belts play an important role in connection with 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). In addition, several products meet NSF  and USDA Meat and Poultry requirements.

The use of hygienic design principles for food conveyor and processing belts is our top priority. Habasit products support HACCP concepts and safe food production, which means, quite simply, that we enable clean and efficient processes at every stage.

Recent innovations include:

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

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.



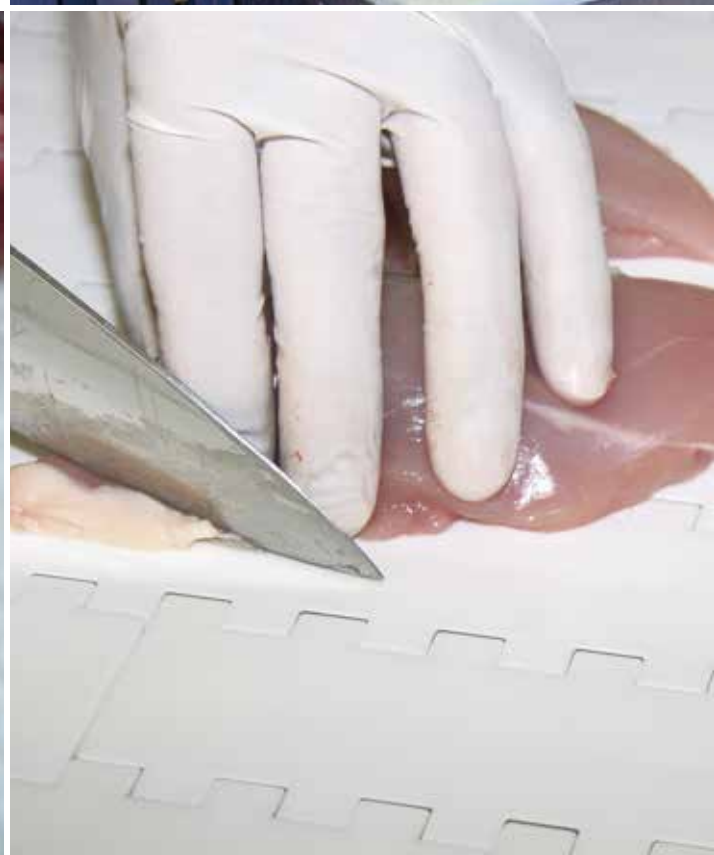
Meat and poultry processing

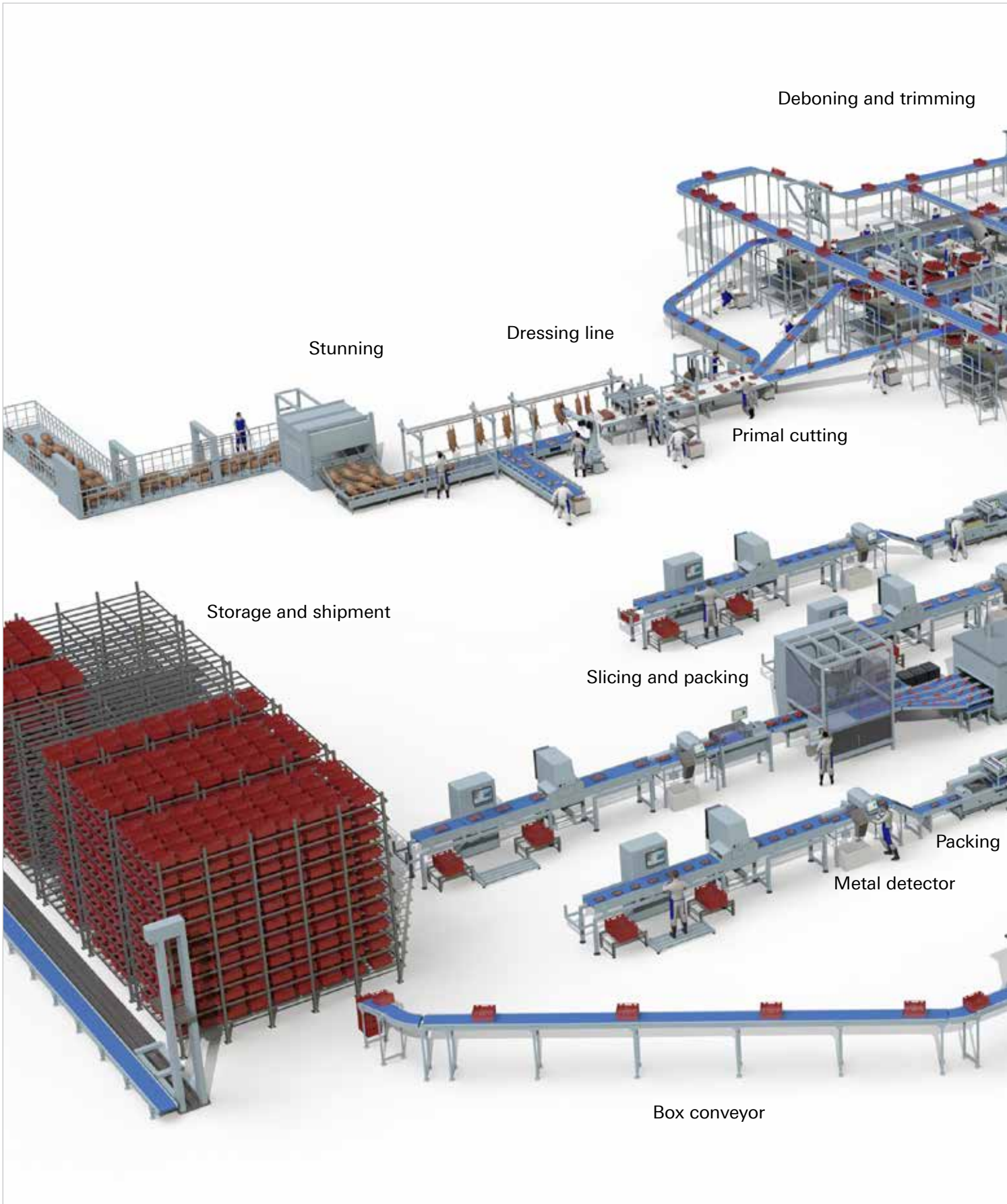
Whether for cutting, deboning, trimming, grading, dressing, breading, frying, cooling, weighing, slicing, portioning, shrink wrapping, labeling or packaging, Habasit offers a complete range of belting solutions for all production processes in the meat and poultry industry.

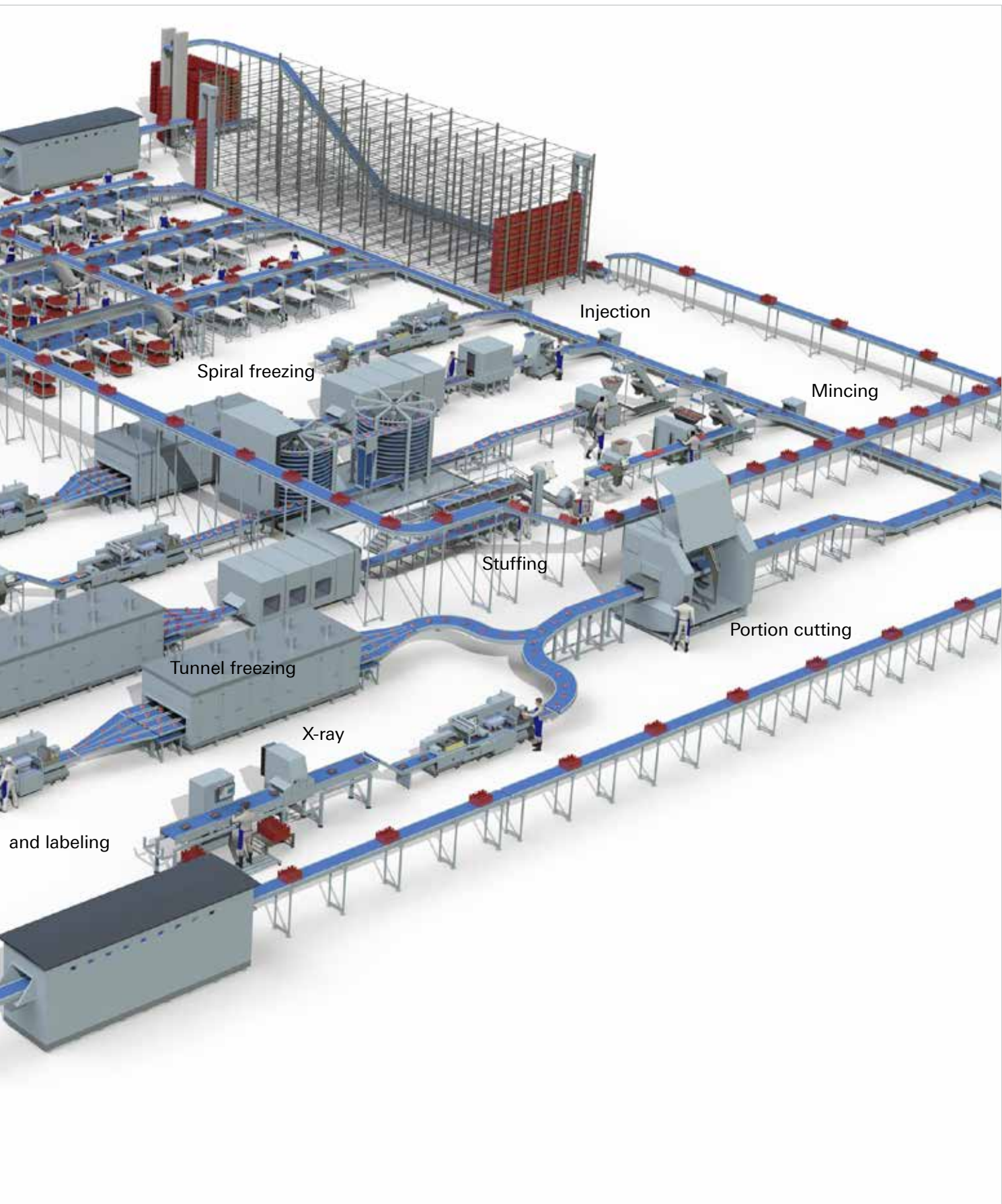
We support your manufacturing processes

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

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

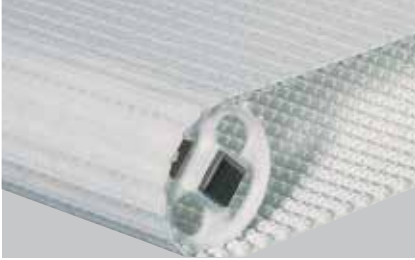






Habasit offers a broad variety of solutions allowing you to choose the ideal belting product for your specific application.

HabasitLINK® plastic modular belts



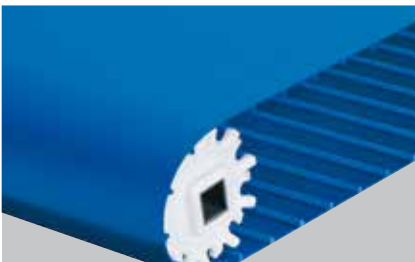
- PP (Polypropylene)
- PE (Polyethylene)
- PA (Polyamide)
- POM (Polyoxymethylene)
- Various special materials and accessories
- Dedicated structured surfaces (Cone Top, Nub Top)

Fabric-based conveyor belts



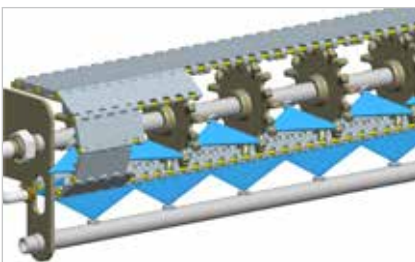
- PVC coated belts
- TPU coated belts
- TPO coated belts
- Silicone coated belts
- Wide range of belting accessories

Habasit Cleandrive™



- Monolithic reinforced conveyor belts
- Positive and friction drive variants
- Made of premium thermoplastic polyurethane, inherently resistant to microbiological attack
- Resistant to most commonly used cleaning and disinfecting agents, including ozone

HyCLEAN CIP



- Modular, customized Cleaning-In-Place system for reliable and efficient cleaning of plastic modular belts
- EHEDG certified and silver medal winner of the International FoodTec Award 2012



For further information please consult: www.habasit.com

HabaSYNC® timing belts



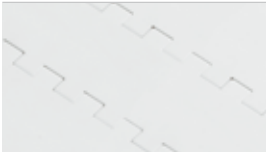

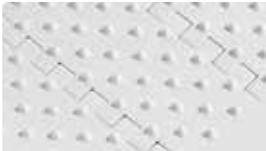









- Abrasion and hydrolysis resistant TPU
- Several special coatings and surface finishes for specific processing and packaging applications

Habasit belting solutions deliver improved efficiency in meat conveying and processing, and are designed to support safe, clean and efficient processes for every application.

	Key features	Your benefits
	HabasitLINK® plastic modular belts <ul style="list-style-type: none"> • Dynamic open hinges and advanced hygienic design • 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 → Reliable product handling, cutting, deboning, cooling, freezing, draining → Up to 85% rod access and 100% hinge accessibility for improved cleaning efficiency
	Fabric-based/coated conveyor belts <ul style="list-style-type: none"> • Abrasion and hydrolysis resistant, with UV-C stabilized 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 → Superior lifetime in wet, oily and fatty applications → Excellent chemical resistance
	Habasit Cleandrive™ <ul style="list-style-type: none"> • Aramid reinforced monolithic TPU belt design • Homogeneous crevice-free surface • Hygienically engineered full width drive bars • Abrasion and hydrolysis resistant 	<ul style="list-style-type: none"> → Safe and hygienic food processing performance → Easy cleaning also of reverse side → Reliable sprocket engagement → Reduced wear and tear
	HabaSYNC® timing belts <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
	Habasit Saniclip system <ul style="list-style-type: none"> • Operates in knife edge conveyors down to 6 mm in diameter depending on the belt style • Extracted and reinstalled directly by line operators 	<ul style="list-style-type: none"> → Belt opening and cleaning made easy → No tools required anymore to disassemble rods → Substantial reduction of downtime → Available for various belt types
	HyCLEAN CIP system <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 → Reduced water consumption

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 traps 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 limits 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" 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 for 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 → Habasit Saniclip available
 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 → Several additional radius and spiral types available
 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" (M1065)	<ul style="list-style-type: none"> • Open hinge design • Small pitch • Hinge rods exposure 	<ul style="list-style-type: none"> → Gentle and reliable handling of small goods → Small transfers between two conveyors → Superior cleanability of reverse side and rod hinge area → Habasit Saniclip available
 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 → Available in Flat Top and Flush Grid design with Habasit Saniclip system

Monolithic reinforced belts



Habasit Cleandrive™

Key features

1.8 m / 72" max. belt width
 CD M50 (50 mm / 2" pitch)
 CD M25 (25 mm / 1" pitch)
 CD FD3 (3 mm thick, flat)
 CD FD2 (2 mm thick, flat)

Your benefits

- Wide application scope
- All-purpose hygienic and reliable belt
- Ideal for compact installations
- Hygienic replacement of coated fabric belts
- Narrow transfers on a 25 mm diameter pulley

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
 - 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 and release properties

- Reliable performance and long service life
- Ideal for wet and humid environments with frequent cleaning
- Antimicrobially equipped coatings provide an additional hurdle against the growth of microorganisms, especially in cuts, cracks and areas that are inaccessible for cleaning
- Hygienic design supports 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 and accessories permits selection of the optimal belt solutions for your processes and applications

Round belts



Habibblue

- 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 packaging applications

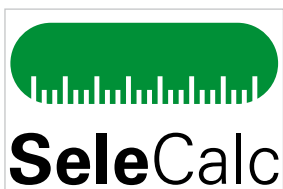
Comprehensive services are central to Habasit's belting solution approach

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 and each affiliate has its own belting experts. The Habasit team is proud to provide the highest levels of support, together with top-quality products that have been leaders on the global market for decades.



Assistance with belt selection and calculation

We will select and calculate the most suitable belt for your specific application. You can also 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 over 30 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.



Tools for on-site fabrication

Because we understand your processes, we can support you with cost-effective, high-quality tools that keep your equipment up and running. In case of emergency our tools will help to minimize breakdown time and support the joining process.



Habasit offers skivers to prepare the belt ends of polyamide power transmission belts and spindle tapes prior to joining. Finger cutting devices to prepare aramide and polyester power transmission belts and TPU spindle tapes are also available. A selection of hot pressing devices to fit your applications and guarantee optimum quality of joining complement the range.

Customer training programs

Habasit offers training programs and provides support tools to ensure optimal use of our products and to prolong their lifetimes. 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, for example, to achieve added value from your 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

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.

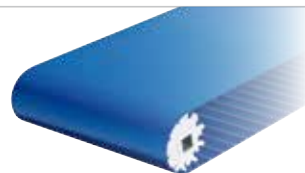


Worldwide leading product range

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®



Monolithic reinforced conveyor belts
Habasit Cleandrive™



Power transmission belts
HabaDRIVE®



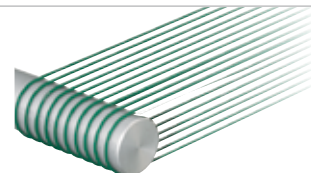
Timing belts
HabaSYNC®



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

Australia

Habasit Pty Ltd.
Silverwater
Phone: +61 1300 945 455
www.habasit.com.au

Austria

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

Belgium

Habasit Belgium N.V.
Zaventem
Phone: +32 27 250 430
www.habasit.be
www.habasit.lu

Canada

Habasit Canada Ltd.
Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Hong Kong
Phone: +85 221 450 150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1228
Phone: +8621 5488 1218
www.habasit.com.hk

France

Habasit France S.A.S.
Mulhouse
Phone: +33 389 338 903
www.habasit.fr

Germany

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

India

Habasit India
Coimbatore
Phone: +91 422 262 78 79
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care:
Phone: 199 199 333
For int. calls: +39 0438 911 444
www.habasit.it

Japan

Habasit Nippon Co. Ltd.
Yokohama
Phone: +81 45 476 0371
www.habasit.co.jp

Netherlands

Habasit Netherlands BV
Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
St. Petersburg
Phone: +7 812 600 40 80
www.habasit.ru

Singapore

Habasit Far East Pte. Ltd.
Singapore
Phone: +65 686 255 66
www.habasit.com.sg

South Africa

Habasit South Africa (Pty) Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispanica S.A.
Barberà del Vallès
Phone: +34 937 191 912
www.habasit.es

Sweden

Habasit AB
Hindas
Phone: +46 30 122 600
www.habasit.se

Switzerland

Habasit GmbH
Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
Taipei Hsien
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San. Ve Tic. Ltd. Sti.
Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC.
Vinnitsa
Phone: +38 0432 58 47 35
www.habasit.ua

United Kingdom and Ireland

Habasit (UK) Ltd.
Silsden
Phone: +44 844 835 9555
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

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-en0416HQ