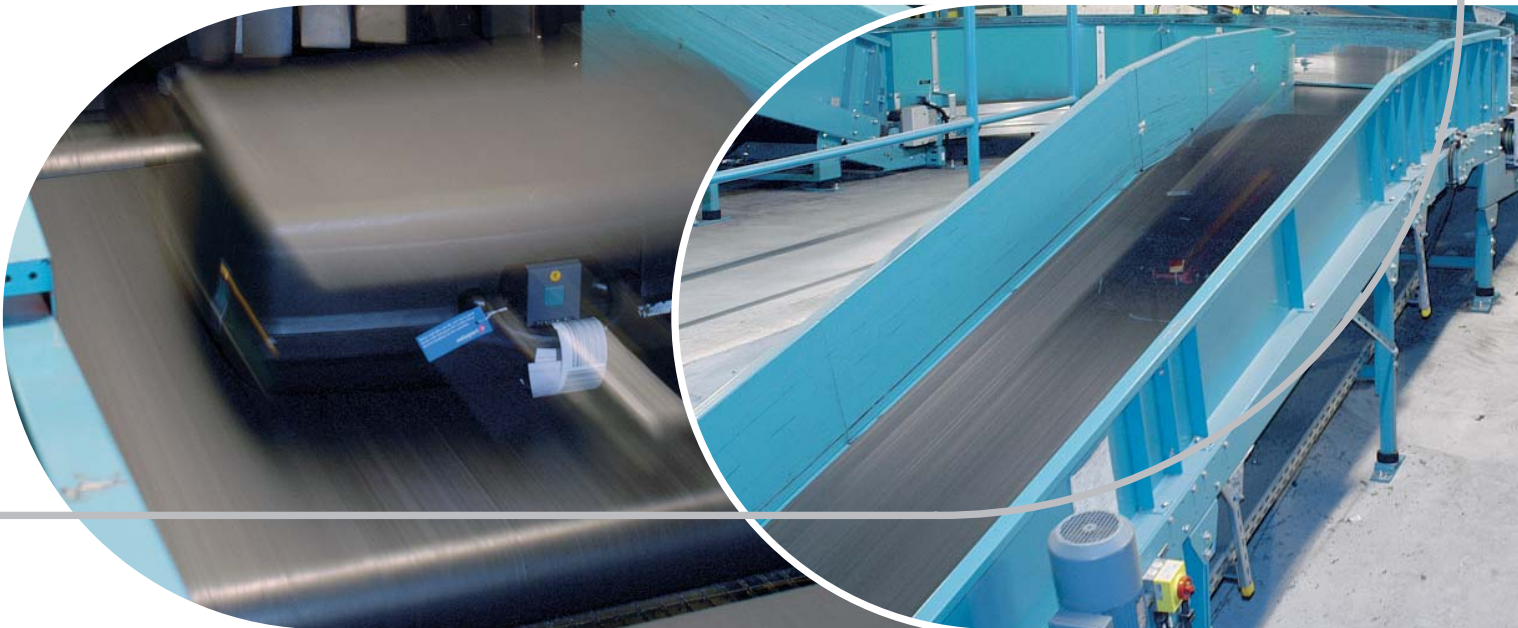


Airport Industry Conveyor Belts

Habasit – Solutions in motion



Introduction	3
From check-in to baggage claim	4
Application table	6
Surfaces and styles	7
Eff-Line energy-saving airport belts	8
Features and benefits	9
Services	10
The Habasit solution	11
Contacts	12

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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.

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Ideal belting solutions for the airport industry

Across the range of baggage handling, screening and detection systems, Habasit provides belting solutions to meet the high demands and expectations of the airport industry.

With many years of direct experience in the industry spanning global projects, Habasit offers fabric-based and plastic modular belts developed for the specifics of airport environments and usage.

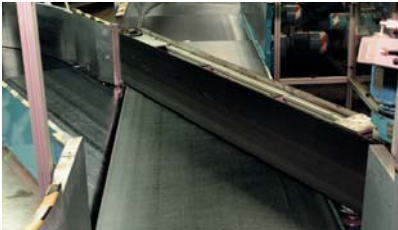
Habasit is the world's leading manufacturer of conveyor and processing belts, power transmission belts, plastic modular belts, chains, and timing belts. Along with our quality products, you can profit from our expert, solution-oriented consulting and services, short lead times, and global network.

Consulting, fabrication, joining and tools, installation and maintenance support, global service, and products backed up by more than 60 years of belting experience – with Habasit you get much more than a belt.

For further information contact your local Habasit partner or consult: www.habasit.com



Habasit provides the most appropriate solution for each airport application and process step.



Induction belts and sorters

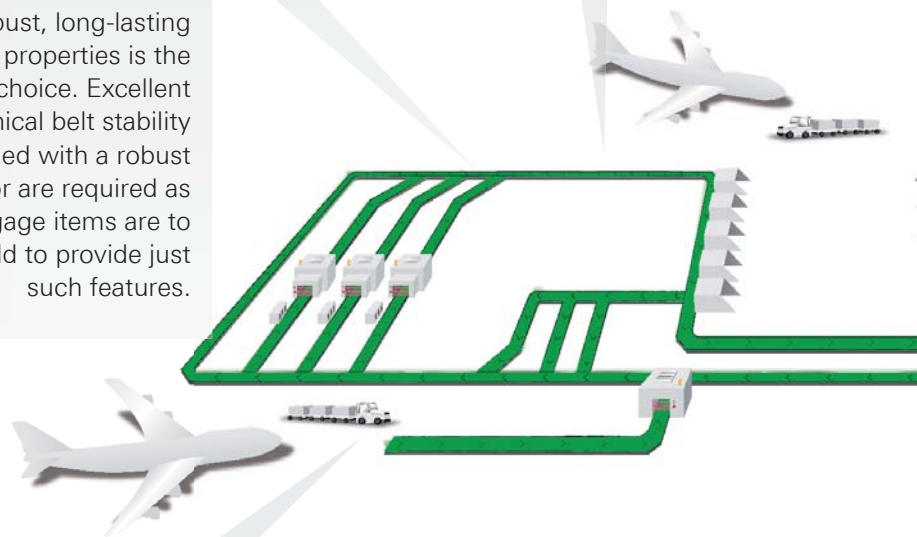
For various induction and merge systems (pushers and diverters), selection of the appropriate belt is of greatest importance in order to avoid jams or missorting. Thanks to gentle handling combined with maximum sorting precision and flexibility, cross belt and tilt tray sorters have become very popular for use in baggage sorting. Habasit offers a variety of high-quality conveyor belts to ensure reliable and precise system functionality for all such subsystems.



Baggage screening and detection

For luggage screening devices a non-scratch belt with robust, long-lasting surface properties is the right choice. Excellent mechanical belt stability combined with a robust belt surface and outstanding tracking behavior are required as heavier items such as suitcases and other baggage items are to be screened. Habasit belts are proven in the field to provide just such features.

belt surface and outstanding tracking behavior are required as heavier items such as suitcases and other baggage items are to be screened. Habasit belts are proven in the field to provide just such features.



Aircraft loading and unloading systems

In the unloading and loading sections, goods have to be handed on and off the belts. Due to this relative motion medium-adhesive or non-adhesive belt surfaces are required. Low noise running and anti-glare properties are especially important where people are exposed to the belts.

For telescopic loaders with reversing belt movement, excellent belt tracking is critical. For loading narrow-body aircraft the sliding carpet loading system provides the most efficient results. The sliding carpet consists of a specially designed conveyor belt which features mechanical strength, high wear resistance, low-friction running side and suitability for nose bars. Habasit can meet the requirements for all of these loading and unloading system solutions.

Inclines and declines

Depending on the degree of incline or decline, the selected belt must have the right degree of adhesion.

Other key features that include low-noise properties, wear resistance, mechanical stability and flame retardant behaviour are a basic component of the Habasit offering.

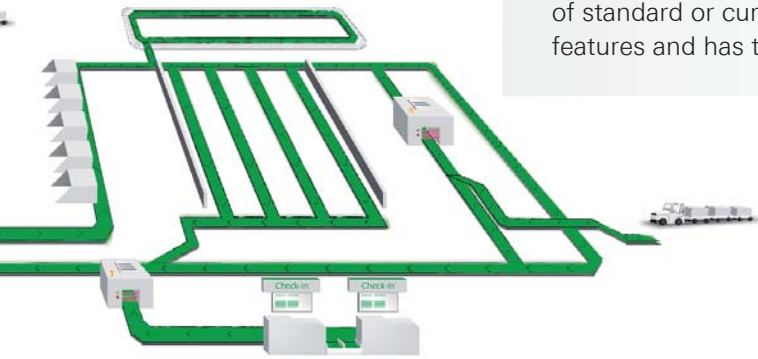


Baggage claim

After a long journey, passengers are eager to reclaim their baggage and be on their way. The unload and carousel feeder belts within baggage claim systems must, therefore, be highly reliable and able to withstand the constant loading of heavy and awkward luggage. The baggage handling system reaches its end here and relies on quality-performing belts to close the loop and enhance traveller satisfaction.



Belt stability, flame retardant properties, low noise, robust surfaces, and proper adhesion are key needs of unload and carousel feeder belts. Whether of standard or curved conveyor construction, Habasit offers each of these features and has the right belt for each baggage claim system.



Curved conveyors

For directional changes, powerturns offer high flexibility as different angles and even changes of level can be realized. Curved belts can be cut in one piece.

Alternatively, they can be tailored out of a number of segments. For proper belt functionality, accurate belt tailoring is key. This along with the flame retardant and low-noise features make Habasit powerturn belts ideal for airport applications.



Check-in and take-away

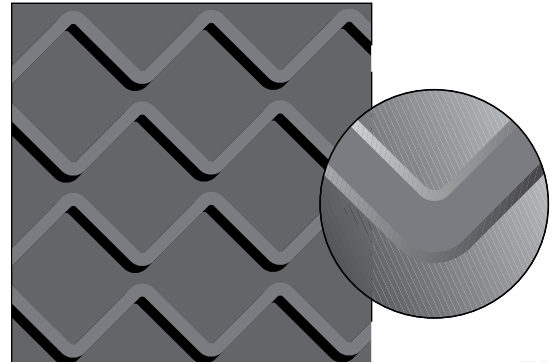
For areas accessible to the public, such as check-in and take-away conveyors, the visual appearance of belting material is crucial. Perfect belt tracking, low-noise properties, wear-resistant belt edges and belt surfaces, antistatic properties, clean joints and high-grip surfaces are necessary for check-in and take-away systems. High-quality Habasit conveyor belts ensure long-term trouble-free operation of your check-in equipment.



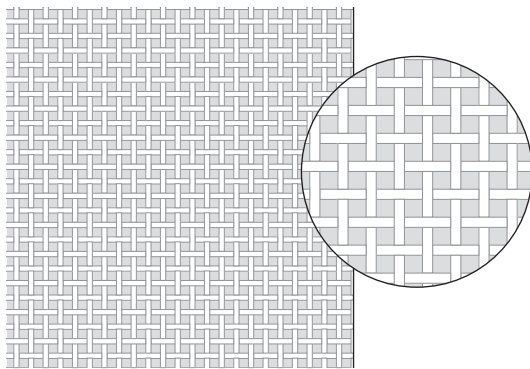
In the wide range of conveyor belts offered by Habasit with a variety of surface structures and levels of adhesion, you will find the best belt solution to meet your requirements.



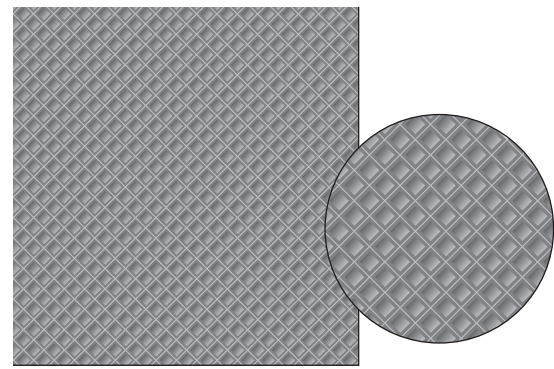
Longitudinal groove



Diagonal/diamond wave pattern



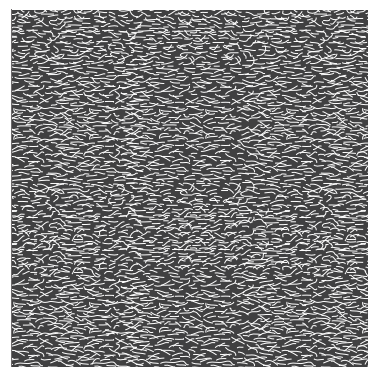
Quadrangular pattern



Waffle structure



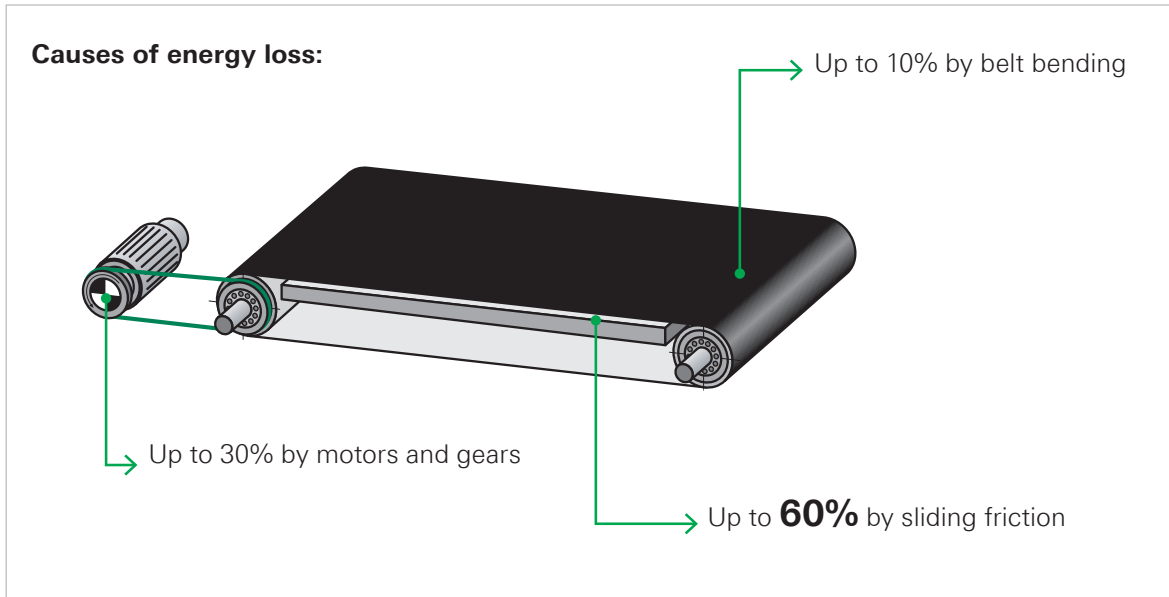
Smooth surface



Nonwoven (fleece) buffed/ground finish

Eff-Line belts for airport applications

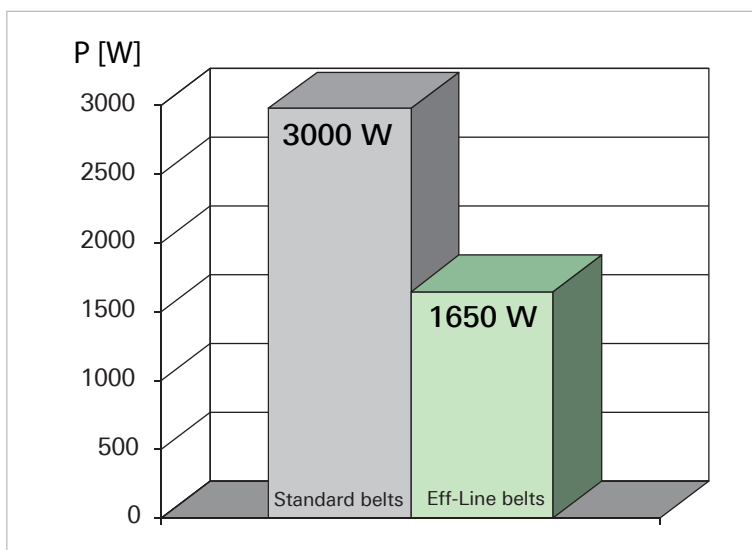
The pressure is on for airports to reduce their energy consumption and their CO₂ emission levels. Habasit Eff-Line belts can help airports in reaching these important goals. Eff-Line belts also provide excellent durability, requiring fewer belt replacements. The results – better for the environment and a benefit to life-cycle running costs.



Up to 45% energy savings



Eff-Line's impact is where system energy loss contribution is greatest – **sliding friction**. Contact Habasit to discuss how Eff-Line can benefit your application. And check out the Energy-Saving Calculator on our website to see how significant your savings could be.



All values are valid for average conveyor applications with high load factor.

Regardless of the application, Habasit's belting solutions deliver clear benefits for airport customers.

Key features	Your benefits
Safety Flame retardant according to international standards ISO 340 or ASTM D-378	→ Inhibits the spreading of fire → Increases safety for people, buildings, machinery and installations
Baggage care Lightweight belts	→ For heavy duty applications → Suitable for high belt speeds and rapid acceleration → Guarantees gentle baggage handling
Reliability Abrasion and wear resistance Permanently antistatic	→ Long service life → Positive and constant flow → No dust buildup → No interference with electronic controls → No electrostatic charge buildup
Maintenance Simple and quick joining system Flexproof or mechanical joint Hightech fabrics	→ Allows on-site installations → Little or no downtimes → No mistracking
Working environment Low-noise belt design	→ Reduced noise on slider belts → Agreeable working environment

Many airports around the globe trust in Habasit belts:

Americas

Boston Logan International (USA)
 Chicago O'Hare (USA)
 Dallas-Fort Worth (USA)
 Denver Airport (USA)
 Montreal Airport (CAN)
 Newark Airport (USA)
 Philadelphia Airport (USA)
 San Francisco International (USA)
 Toronto Pearson International (CAN)
 Vancouver Airport (CAN)

Asia/Pacific

Chennai International Airport (IN)
 Guangzhou Baiyun International (CN)
 Hangzhou Xiaoshan International (CN)
 Hong Kong Airport (CN)
 Kansai International Airport (JP)
 Narita International Airport (JP)
 Seoul Incheon Airport (KR)
 Sidney Airport (AU)
 Tokyo Haneda Airport (JP)
 Xi'an Xianyang International (CN)

Europe

Athens International Airport (GR)
 Brussels Airport (BE)
 Florence Airport (IT)
 London Heathrow (UK)
 Milan Linate Airport (IT)
 Rome Fiumicino Airport (IT)
 Stockholm Airport (SE)
 Vienna Airport (AT)
 Warsaw Airport (PL)
 Zurich International Airport (CH)

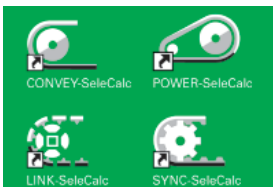
Comprehensive services are central to Habasit’s belting solution approach.

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 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 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.



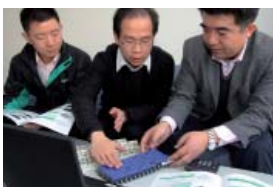
Customer training programs

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 the machinery or process output.



Design assistance for customized solutions

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



Customers first

At Habasit we understand that our success depends on your success. This is why we offer solutions, not just products; partnership, not just sales. Since our foundation in 1946, Habasit has brought this understanding of customer needs to life every day and for every application. That's why we're the No. 1 in belting today. Worldwide. Learn more on www.habasit.com

Committed to innovation

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

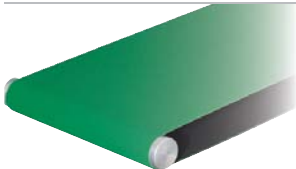
Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2008.

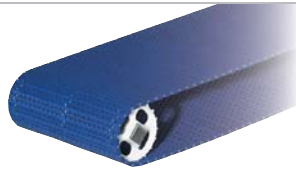


Worldwide leading product range

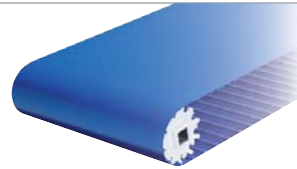
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



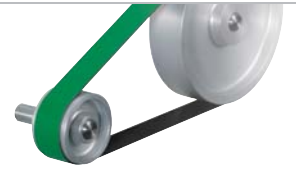
Fabric-based conveyor and processing belts
HabaFLOW®



Plastic modular belts
HabasitLINK®



Positive drive conveyor and processing belts
Habasit Cleandrive™



Power transmission belts
HabaDRIVE®



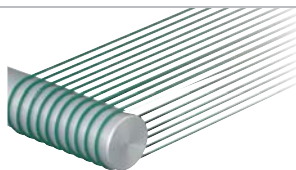
Timing belts
HabaSYNC®



Chains (slat and conveyor chains)
HabaCHAIN®



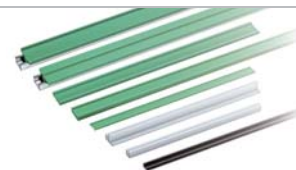
Machine tapes



Round belts



Seamless belts



Profiles, guides, wear strips
HabiPLAST®



Fabrication tools (joining tools)



Gearmotors
Electric motors
Motion control

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Habasisit America
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Middletown, Connecticut
Phone: +1 860 632 2211
www.habasisitamerica.com

Rossi is one of Europe's largest manufacturers of gear reducers, gearmotors, inverters, standard and brakemotors, and is a member of the Habasisit Group.

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