

# Safe, secure and reliable baggage handling



**Habasit offers belting solutions that cover all areas of airport baggage handling applications, from check-in to baggage claim**

- Check-in systems
- Baggage screening systems
- Baggage handling systems
- Aircraft loading/unloading systems



# Successful baggage handling

**Habasit understands, that our success depends on the success of our customers. Application engineers, technicians and joining specialists are at your disposal to provide professional consulting, superb customer service and excellent support. Since its foundation in 1946, Habasit provides value-added solutions tailored exactly to meet customer specifications. Here we will give an insight of Habasit products for applications in the Airport Industry.**



## **Check-in**

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, wear-resistant belt edges and belt surfaces, antistatic properties, clean joints and high-grip surfaces – high quality Habasit conveyor belts ensure long-term trouble-free operation of your check-in equipment.

Many of our belts for check-in and take-away conveyors meet flame retardant properties according to ISO 340/DIN 22103 standards. Specially designed belt surfaces ensure proper conveyance of all goods including suitcases on wheels.



## **Baggage Screening**

Baggage screening – from hand-luggage screening devices to the most advanced explosives detection system, you will find the right belt in our range.

For hand-luggage screening devices a non-scratch, light TPU belt with excellent, long lasting surface properties is the right choice. Excellent mechanical belt stability combined with a robust belt surface and outstanding tracking behaviour are required if heavier items such as suitcases and other baggage items are to be screened.



## **Baggage handling systems**

### **Inclines/declines**

Depending on the degree of incline or decline the selected belt must have the right degree of adhesion. 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. Other key features that include low noise properties, wear resistance, mechanical stability and flame retardant behaviour (in accordance with ISO 340/DIN 22103 standards) are part of the Habasit offering.



### **Curved conveyors**

For directional changes, power turns 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. In the case of airport applications, flame retardant properties according to ISO 340/DIN 22103 may be required. For proper belt functionality, accurate belt tailoring is key.





### Induction belts and sorter

For various induction and merge systems, selection of the appropriate belt is of greatest importance in order to avoid jams or missorting. Habasit offers a variety of belts with different degrees of adhesion and surface structures.

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 sub-systems such as induction, cross belt sorting and discharge steps.



### Aircraft loading/unloading system

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 belt emissions. For telescopic loaders with reversing belt movement, excellent belt tracking is critical.

For loading narrow-body aircrafts the sliding carpet loading system provides the most efficient results. The sliding carpet consists of a specially designed conveyor belt which features mechanical strength, excellent wear resistance, low friction running side and suitability for nose bars.



### Features and benefits

#### Safety

- Flame retardant belts according to international standards (ISO 340/DIN 22103) that inhibit the spreading of fire and increase the safety for people, buildings, machinery and installations.

#### Baggage care

- Lightweight belts for heavy-duty applications that allow high speeds and rapid acceleration, however still guaranteeing gentle baggage handling

#### Reliability

- High-quality products with a long service life and a constant flow.
- State-of-the-art technology that avoids loss or missorting baggage.

#### Maintenance

- A simple, quick joining system that allows on-site installations with little or no downtime.

#### Working environment

- Conveyor belts with a low-noise operation that provide a pleasant as well as less hazardous working environment.

# Application table / belt selection guide

Belt application	Product code											
	NHB-10ESBV	NAB-10ESBV	NHM-8ESBV	NSL-11ESBV	NSL-10ESBV	NAJ-10ESBV	NNT-10ESBU	NAD-10ESBV	NMB-11ESBV	G18/0NNB6S	G23/0NNB6S	ENB-8EL
Check-in								•				
Collection	•	•								•	•	
Transfer	•	•	•							•	•	
Baggage screening												•
Inclines/declines				•	•	•						
Power turns									•			
Gapping				•	•	•						
Accumulation							•					
Induction				•	•				•			
Cross belt sorter					•							
Belt diverter							•					
Pusher sorter	•						•			•	•	
Acceleration / deceleration				•	•	•						

This application table / belt selection guide shall serve as indication of potential solutions. For detailed material and belt selections please contact your local Habasit partner.

## Selection of airports who rely on Habasit belts

**At the following airports Habasit conveyor belts are running successfully and ensure a safe, reliable, and quick handling of baggage:**

### America

- Boston Logan International Airport / USA
- Buffalo Airport / USA
- Calgary Airport / Canada
- Chicago O'Hare Airport / USA
- Dallas Fort Worth Airport / USA
- Denver Airport / USA
- Detroit Metro Airport / USA
- Montreal Airport / Canada
- Newark Airport / USA
- Philadelphia Airport / USA
- Tampa Airport / USA
- Toronto Pearson International Airport / Canada
- Vancouver Airport / Canada

### Europe

- Athens Spata Airport / Greece
- Basel Euro Airport / France
- Brussels Airport / Belgium
- Florence Airport / Italy
- London Heathrow Airport / UK
- Milan Linate Airport / Italy
- Rome Ciampino Airport / Italy
- Rome Fuimicino Airport / Italy
- Stockholm Airport / Sweden
- Strassbourg Airport / France
- Vienna Airport / Austria
- Warsaw Airport / Poland
- Zurich Unique Airport / Switzerland

### Asia / Australia

- Chennai International Airport / India
- Guangzhou Baiyun International Airport / China
- Hang Zhou Xiaoshan International Airport / China
- Hong Kong Airport / China
- Kansai International Airport / Japan
- Seoul Incheon Airport / South Korea
- Sidney Airport / Australia
- Tokyo Haneda Airport / Japan
- Xi'an-Xianyang International Airport / China

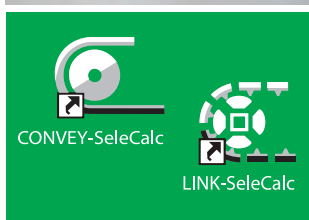
# Services, customized services

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



## **Consulting and technical support**

Habasit offers the best consulting and technical support on the belting market for fabric based belts and plastic modular belts founded 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](mailto:info@habasit.com).

CONVEY-SeleCalc = Fabric conveyor belt selection and calculation

LINK-SeleCalc = Plastic modular belt selection and calculation



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

Habasit owns 25 Affiliated Companies located in North America, Europe and Asia, each with own inventory, fabrication, assembling and service facilities.

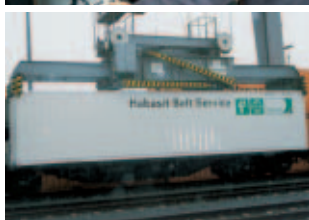
Together with our country managers, representative offices and large number of qualified distributors we are in a position to react quickly, competently and reliably to customer's demands on an international scale.



## **Customized services**

### **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. Our mobile 40-ft service container is also available for on-site installations of airport projects worldwide.



### **Designing the future «Partner in Design»**

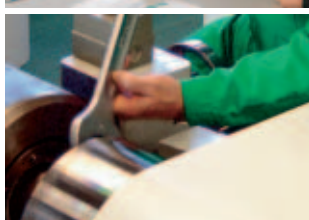
Habasit believes in partnership. For joint design developments our engineering team is looking for strong cooperation with the customer's engineering team, preferably at a very early stage. We offer this cooperation to large customers.

Co-design: We work together for success.



### **Belt monitoring**

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

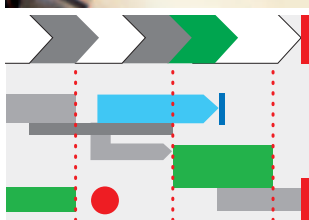


### **Customized service agreements**

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.



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**Habasit – We are where you are**

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