

# 남일벨트시스템

하바지트(Habasit) 제품 카탈로그

## 크로스래퍼 벨트

### 제품 개요

부직포 제조 라인의 크로스래퍼 기계용 고성능 벨트입니다. 높은 내구성과 정밀한 움직임을 제공합니다.

### 주요 특징

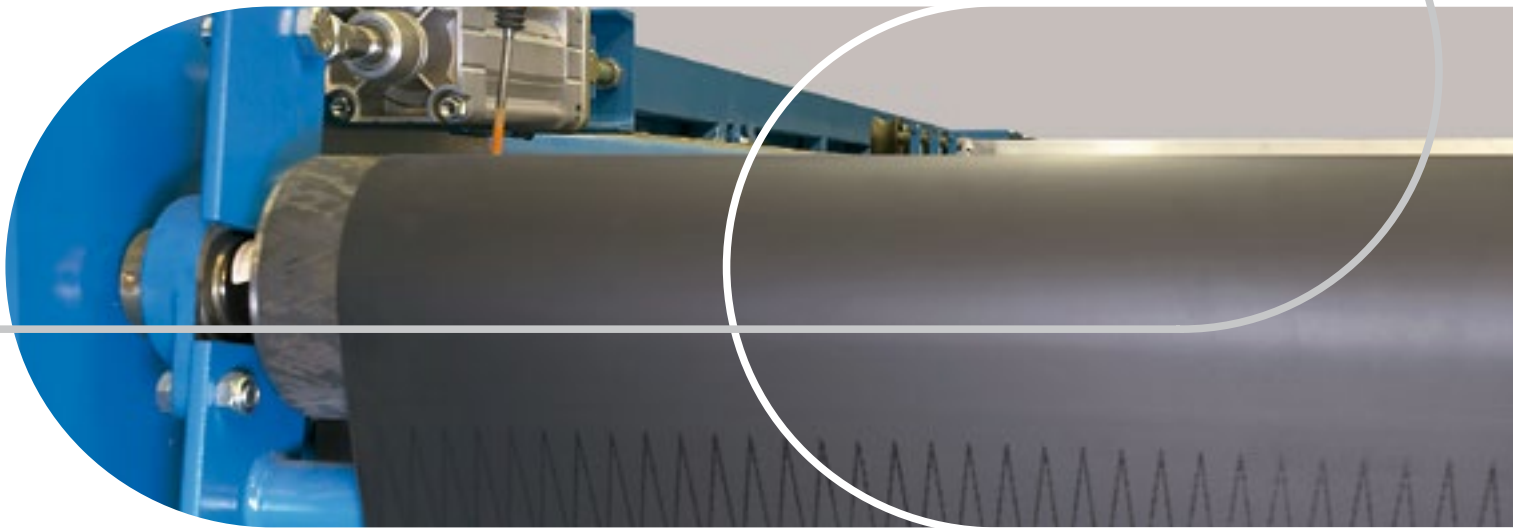
- 부직포 크로스래퍼 기계 전용
- 고속 왕복 운동에 최적화
- 내마모성·내피로성 우수
- 정밀한 벨트 트래킹

남일벨트시스템 (Namil Belt System) | 하바지트(Habasit) 공식 파트너

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전화: 02-6084-7795 | 이메일: namilsystem@naver.com | 홈페이지: namilbeltsystem.github.io

## Crosslapper Belts



Nonwoven materials are used in a wide range of industries, including medical care, filtering, construction, and automotive.

In many production lines for nonwoven materials, the crosslapper is key not only to the design of the typical 90° shape of the production line, but also to its productivity and the quality of the nonwoven product.

Habasit's crosslapper belt design is optimized for high production speeds and dynamic loads, thus, enabling our customers to improve the reliability, quality and productivity of their equipment and processes in line with Habasit's mission.

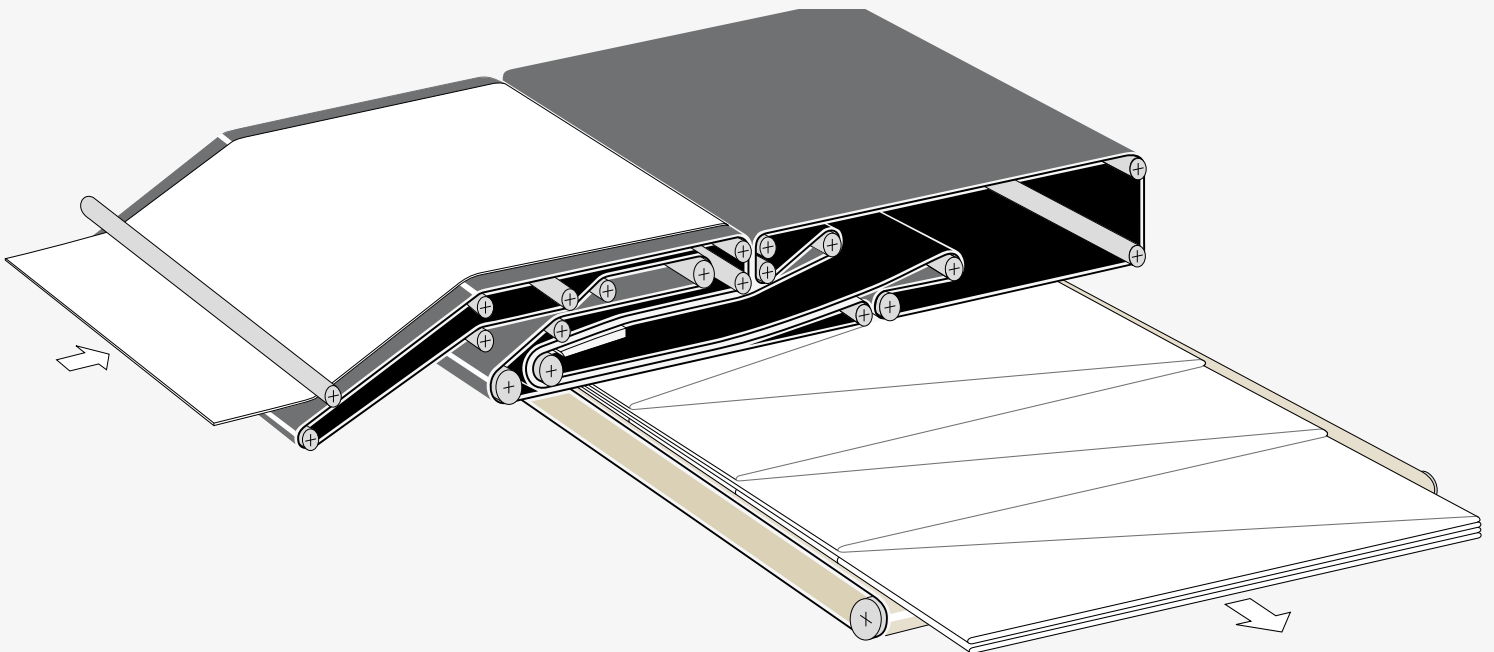
Our crosslapper belts combine a low belt weight, high flexibility in the running direction, a good lateral stiffness, and a wear resistant belt surface, delivering optimal production performance with a long service life.

The belt's excellent electrical conductive properties prevent fibers from sticking to the belt due to static charges.




Habasit's extensive service network, with a strong presence in all the major international markets, is ready to support wherever you are located around the world.

# Performance summary

Key features	Your benefits
<ul style="list-style-type: none"><li>• High-grade TPU combined with a chemical-resistant polymer surface coating</li></ul>	<ul style="list-style-type: none"><li>• No brittling, ageing, or micro cracking of the belt surface</li><li>• No hooking of fibers on the belt surface</li><li>• Long belt service life</li></ul>
<ul style="list-style-type: none"><li>• Highly electrically conductive properties</li></ul>	<ul style="list-style-type: none"><li>• No accumulation of fibers due to static charges</li><li>• Safe belt condition even at high belt speeds</li></ul>
<ul style="list-style-type: none"><li>• Low belt weight</li><li>• Good longitudinal flexibility</li><li>• High lateral stiffness</li></ul>	<ul style="list-style-type: none"><li>• Optimized for high belt speeds and dynamic running conditions</li><li>• Less tensioning required</li><li>• Reduced operating costs</li></ul>
<ul style="list-style-type: none"><li>• Homogenous Flexproof (finger) joining</li></ul>	<ul style="list-style-type: none"><li>• Non-marking belt joint</li><li>• Strong and reliable belt joint</li><li>• Joining area as flexible as the rest of the belt</li></ul>
<ul style="list-style-type: none"><li>• Excellent release properties</li></ul>	<ul style="list-style-type: none"><li>• Suitable for all man-made fibers</li><li>• No sticking of fibers to the belt surface</li></ul>



# Technical key data

Product code		ENB-6EE	ENT-6EE	ENB-9EE
Cross-section				
Surface structure		Smooth (matt)	Impregnated fabric	Smooth (matt)
Surface material		PUR cross-linked	PUR cross-linked	PUR cross-linked
Belt thickness	[mm]	1.0	0.8	1.2
Belt weight	[kg/m <sup>2</sup> ]	1.0	0.7	1.3
Tensile force for 1% elongation (relaxed)	[N/mm]	4.0	4.0	6.0
Seamless production width	[mm]	4000	4000	4000
Minimum pulley diameter with counter flection	[mm]	50	50	50
Specific properties		<ul style="list-style-type: none"> <li>• Well-proven on many demanding applications</li> <li>• Smooth/matt surface and non-marking joint</li> <li>• Optimal for fast-running crosslappers</li> </ul>	<ul style="list-style-type: none"> <li>• Light-weight belt with structured top surface</li> <li>• Optimal for fast-running crosslappers</li> </ul>	<ul style="list-style-type: none"> <li>• High strength in transversal direction</li> <li>• Suitable for single driven applications and robust application conditions</li> </ul>



# Solutions in motion



## **Comprehensive consulting and technical support**

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



## **Belt selection and calculation assistance**

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at [selecalc.habasit.com](http://selecalc.habasit.com).



## **Fabrication, assembly and local installation services**

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



## **Customer training programs**

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



## **Belt monitoring, inspections, analyses and process optimization proposals**

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



## **Design assistance for customized solutions**

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

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

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