

Printing Blankets

for Textile Printing



The market leader for over 30 years



Habasit – the first manufacturer of TPU printing blankets

Habasit was the first belting manufacturer to provide TPU-based printing blankets to the textile industry over 30 years ago. The clear superiority of the belts' performance, as well as their ease of installation in comparison with previous solutions, made Habasit printing blankets the first choice for OEMs and textile printing end users.

Habasit – the first to provide high-strength aramid printing blankets

As new fashions called for more colorful designs, the number of printing colors and the length of the printing area increased, leading to a demand for greater printing accuracy. Habasit's aramid printing blankets continue to deliver exceptional performance in such applications, and have become key for further developments in textile printing.

Habasit – the first to develop specialized printing blankets for digital textile printing

The digital revolution in textile printing has led to additional requirements for printing blankets. The new options offered by digital printing in terms of variety and depth of colors can only be realized through the reliable and absolutely precise positioning of every drop of ink. Habasit expertise in textile printing and close collaboration with OEMs has resulted in a new generation of printing blankets.

Some of the market leaders we work with:

- Toshin - Ichinose
- Efi - Reggiani
- Atexco - Honghua
- Zimmer Austria
- Epson - Robustelli
- Dover - MS
- Seiko - Epson
- Konica Minolta
- SPG Prints - Stovec
- Stalmec - Laxmi Printing
- Kerajet - Keratex
- Mimaki
- Colorjet
- MAS Italy



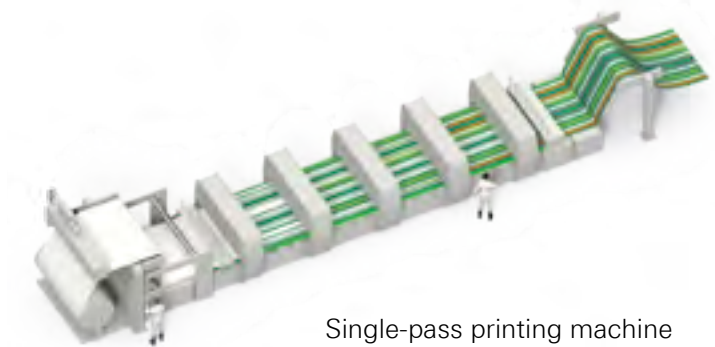
Digital printing

Inkjet textile printing requires extremely high printing blanket accuracy, since the ink drops must be placed on the substrate with a precision of one hundredth of a millimeter.

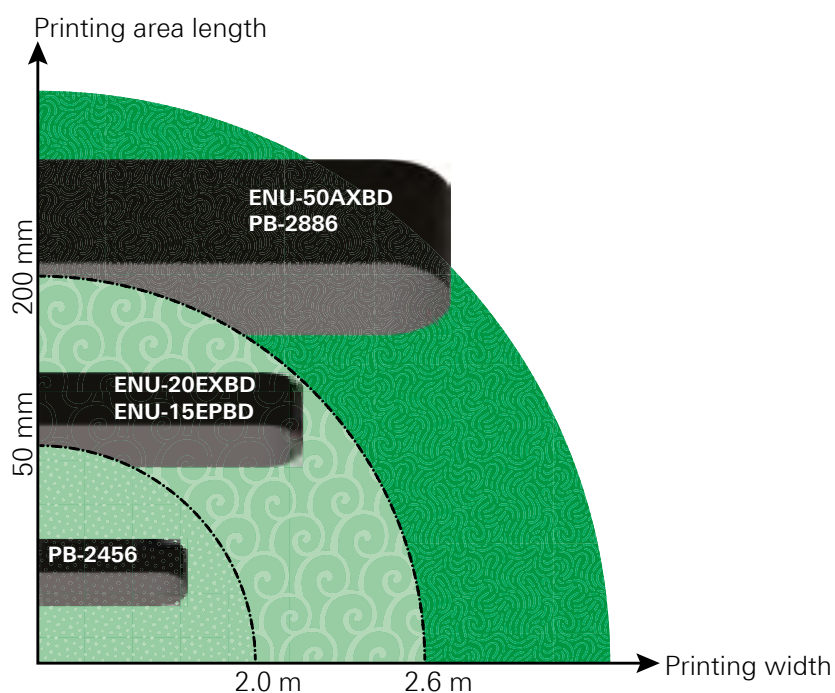
Habasit offers a full range of printing blankets optimized for every kind of digital textile printing machine, from entry-level to high-productivity and high-precision multi- or single-pass printing machines. The correct selection of the printing blanket type not only ensures the best printing results, but also delivers the most economical solution for the machine design.



Scan multi-pass printing machine



Single-pass printing machine

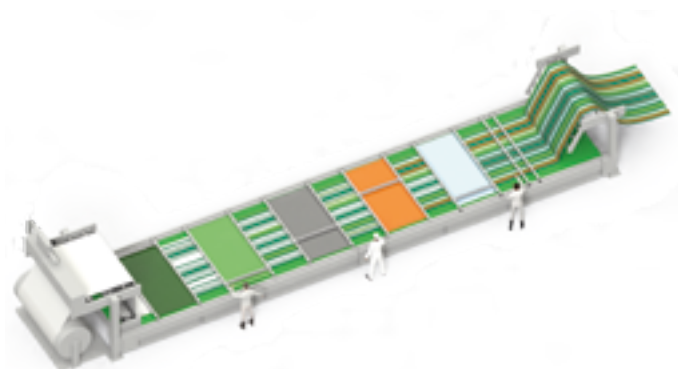


Screen printing

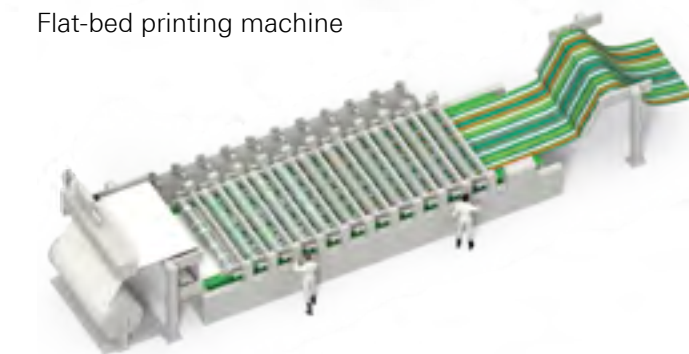
The printing blanket is the heart of every screen

printing machine. The fabric must be moved

accurately through all the color printing screens.



Flat-bed printing machine



Rotary printing machine

Habasit printing blankets have proven their exceptional performance in demanding screen printing applications all around the world, and are the first choice in the market today for both original equipment and replacements.



	Premium Line			Performance Line		
	ENU-50 AXBD	ENU-20EXBD	PB-2460	PB-2886	PB-2461	PB-2552
Flat-bed printing machines						
Twin drive up to 28 m printing table	○	●		○		○
Twin drive >28 m printing table	●			○		○
Single drive up to 20 m	○	●		○		●
Clamping drive any length			●		●	○
Rotary printing machines						
Squeegee blades	○	○	○	○	○	●
Magnetic system up to 10 colors	○	●	○	○	○	○
Magnetic system >10 colors	●			●		

● Recommended choice ○ Possible alternative

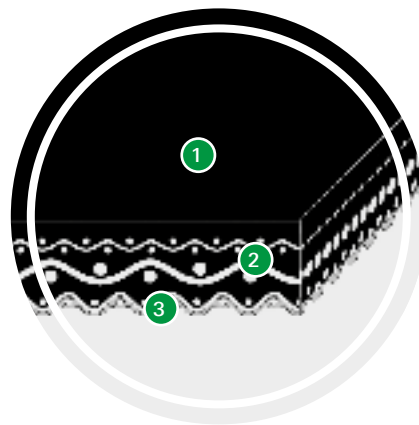
Premium Line printing blankets

The Premium Line consists of state-of-the-art Habasit printing blankets made in Switzerland to the highest production standards, thus ensuring optimal product performance. Habasit Premium Line printing blankets are thoroughly tested for quality, which allows us to offer a warranty on the printing performance.

ENU-50AXB

- High-strength aramid printing blanket
- Proven track record on various printing machine types
- High lateral stiffness

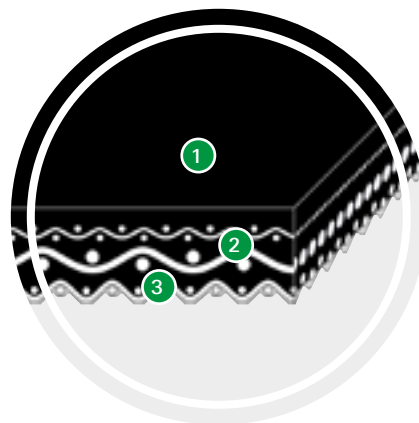
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): aramid fabric
- 03 Running side: special impregnated fabric



ENU-15EPB

- Optimized for modern FFG and LFP applications, including digital and textile printing.
- Unique asymmetric 3-ply construction ensures excellent flat-laying properties and a consistently positioned neutral layer for maximum printing accuracy.
- High lateral stiffness provides stable tracking and reliable belt positioning.

- 01 Conveying side: Thermoplastic polyurethane (TPU);
- 02 Running side: Impregnated fabric
- 03 Traction layer: Polyester (PET);

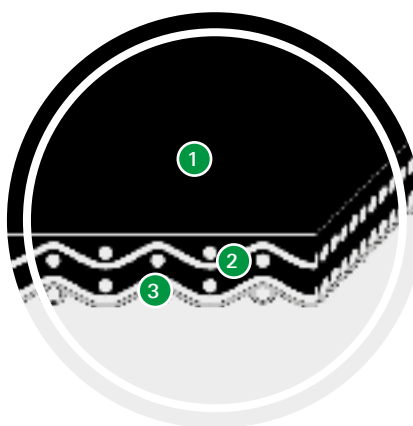


Type	Thickness	Tensile force for 1% elongation (relaxed)	No. of fabrics	Traction layer material	Lateral stiffness	Neutral phase position
	mm	N/mm			N*mm	mm
ENU-50AXB	2.3	26	3	Aramid	700	0.90
ENU-15EPB	2.2	12	3	PET	440	0.80
PB-2460	2.6	12	2	PET	425	1.30
ENU-20EXB	2.1	12	2	PET	225	0.80

PB-2460

- Robust polyester printing blanket
- Thick TPU layer on top cover
- Optimized for conventional rotary printing machines with up to ten colors

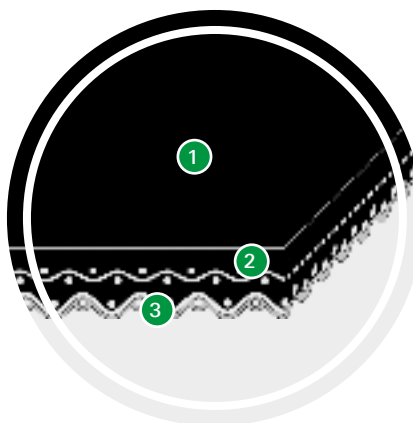
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



ENU-20EXB

- Versatile polyester printing blanket for use in screen printing or digital printing applications
- Good strength and flexibility

- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



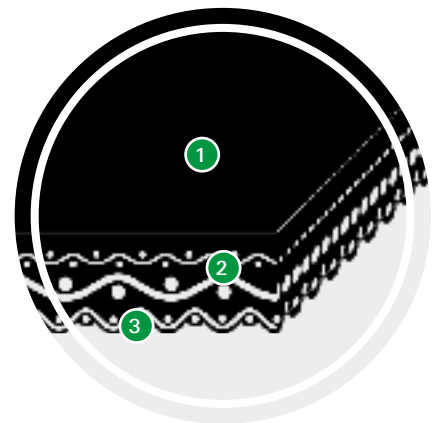
Performance Line printing blankets

Habasit Performance Line printing blankets offer an unmatched price/performance ratio, making them an excellent choice as replacement belts or as original equipment for many different machine types. Habasit Performance Line printing blankets are available for all common textile printing applications.

PB-2886

- High-strength aramid printing blanket
- High lateral stiffness

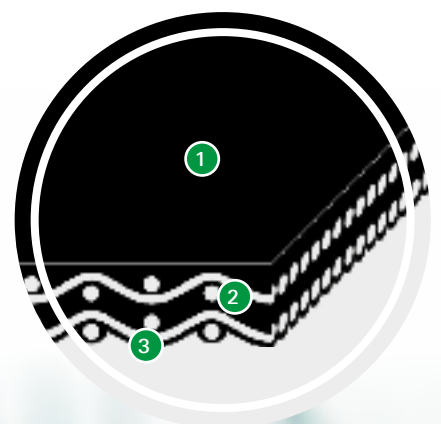
- 01** Conveying side: thermoplastic polyurethane (TPU)
- 02** Traction layer (neutral phase): aramid fabric
- 03** Running side: impregnated fabric



PB-2461

- Robust polyester printing blanket
- Thick TPU layer on top cover
- Good lateral stiffness

- 01** Conveying side: thermoplastic polyurethane (TPU)
- 02** Traction layer (neutral phase): polyester (PET) fabric
- 03** Running side: impregnated fabric

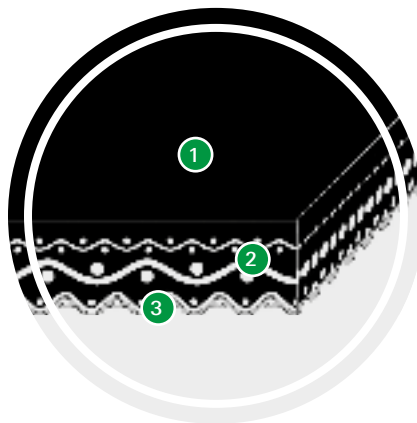


Type	Thickness	Tensile force for 1% elongation (relaxed)	No. of fabrics	Traction layer material	Lateral stiffness	Neutral phase position
	mm	N/mm			N*mm	mm
PB-2886	2.1	28	3	Aramid	475	0.85
PB-2461	2.6	12	2	PET	425	1.30
PB-2456	1.6	5	2	PET	150	0.55
PB-2552	2.1	12	2	PET	220	1.00

PB-2456

- Optimized for short digital scanning printing machines
- Low tensile force for elongation minimizes the belt load and saves costs on cylinders and bearings

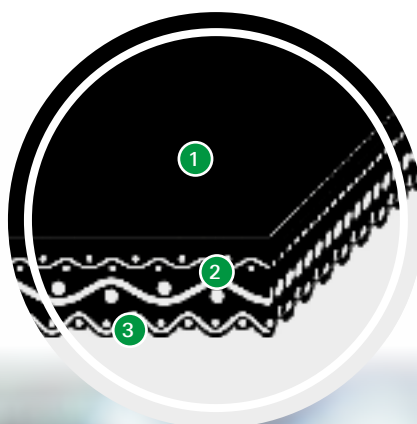
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



PB-2552

- Optimized for high precision applications
- Solvent resistant

- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



Features and benefits



Homogeneous and even surface

- Uniform thickness profile
- High print quality
- No marking on the print area



High-grade TPU surface coating

- High wear resistance
- Easy to clean



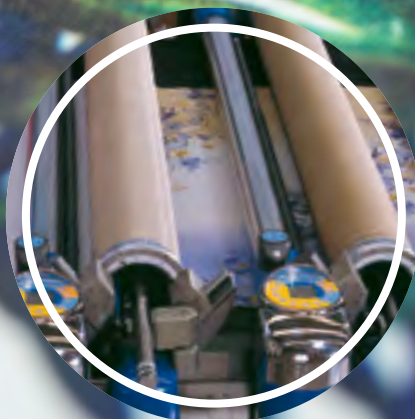
High chemical resistance

- High thermal stability
- Long service life



Flexproof (finger) joints

- Quick on-site joining
- No marking on the print area



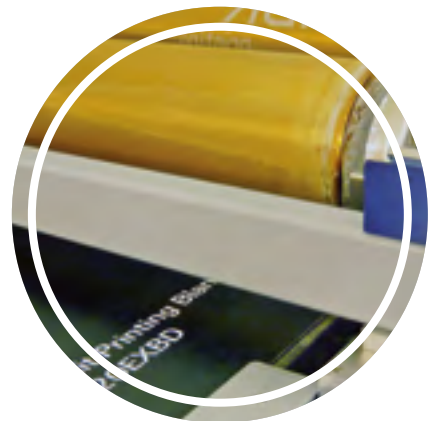
A global network at your service

Habasit has an extensive service network with a strong presence in all major international markets. A dedicated global technical support team of highly trained and experienced textile printing specialists and local experts is available to support you wherever you are in the world.

Whether assisting with the right choice of Habasit printing blanket, or aiding with machine design, the team is always ready to help you find the best solution for your application.

Our local fabrication teams are equipped with the latest know-how in terms of service, maintenance and joining for all on-site requirements or in-house fabrication, helping you to achieve outstanding printing accuracy and quality, long belt service life, and minimal downtimes.

For more information, please contact your local Habasit representative.



Habasit International AG

Römerstrasse 1

CH-4153 Reinach, Switzerland

☎ +41 61 715 15 15

📠 +41 61 715 15 55

🌐 habasit.com

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