

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 companies 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



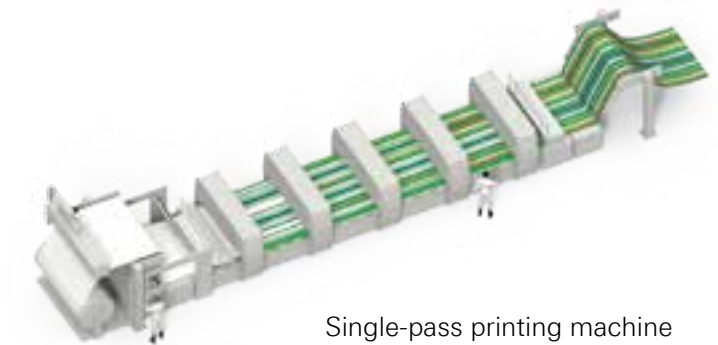
Digital printing

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.

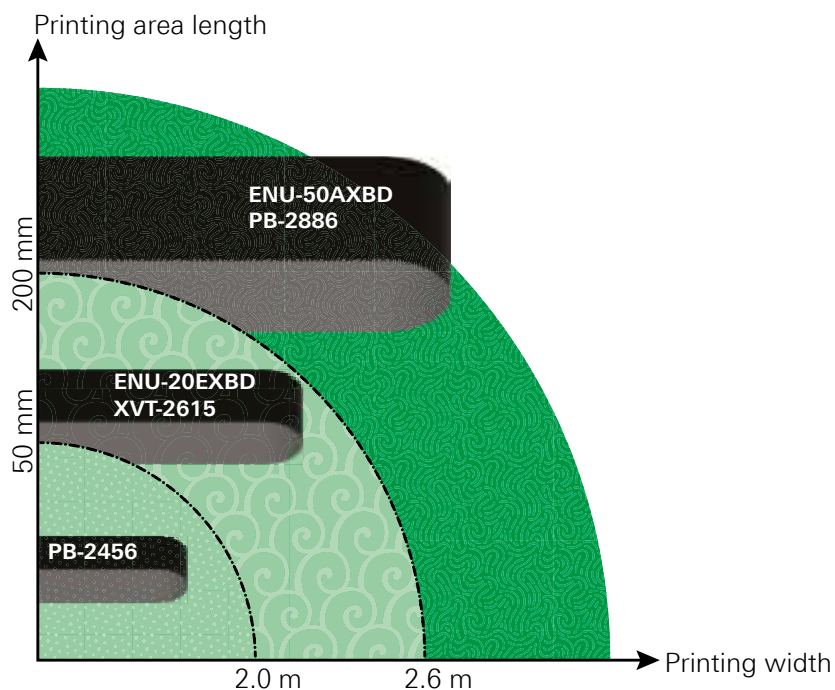
Habasit offers a full range of printing blankets optimized for every kind of digital textile printing machine, from entry-level to high-productivity and high-precision multi- or single-pass printing machines. The correct selection of the printing blanket type not only ensures the best printing results,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



Scan multi-pass printing machine



Single-pass printing machine

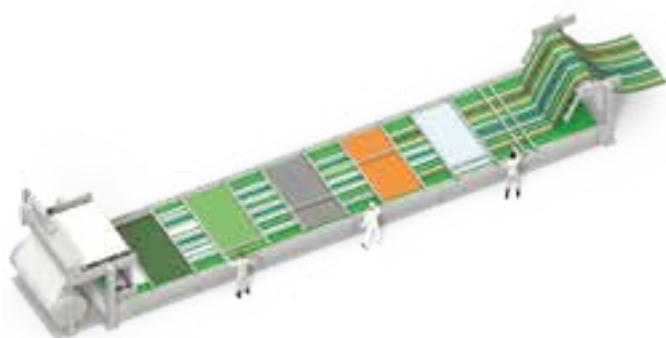


Screen printing

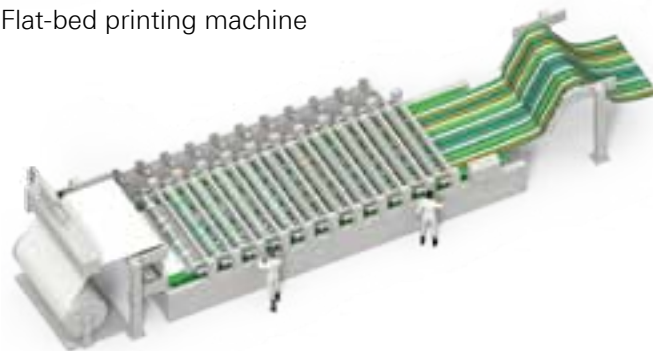
The printing blanket is the heart of every screen

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

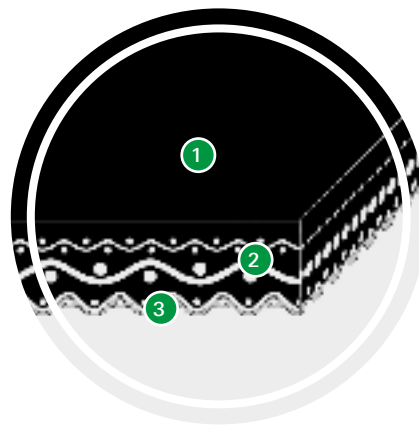
Premium Line printing blankets

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

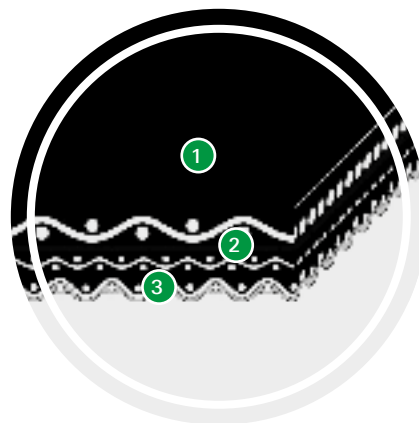
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): aramid fabric
- 03 Running side: special impregnated fabric



ENU-55AXB

- Optimized for digital textile printing
- Unique asymmetric 3-ply structure for low positioning of the neutral phase, enabling the highest printing accuracy
- High lateral stiffness

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

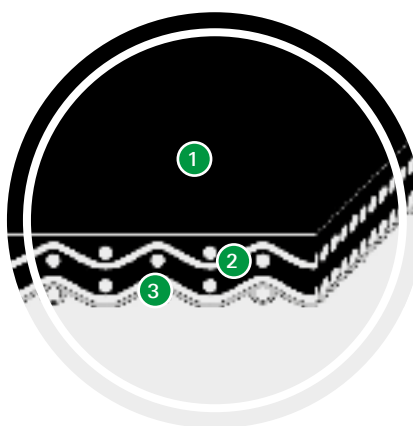


Type	Thickness	Tensile force for 1% elongation (relaxed)	No. of fabrics	Traction layer material	Lateral stiffness	Neutral phase position
	mm	N/mm			N*mm	mm
ENU-50AXBD	2.3	26	3	Aramid	700	0.90
ENU-55AXBY	2.3	26	3	Aramid	750	0.50
PB-2460	2.6	12	2	PET	425	1.30
ENU-20EXBD	2.1	12	2	PET	225	0.80

PB-2460

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

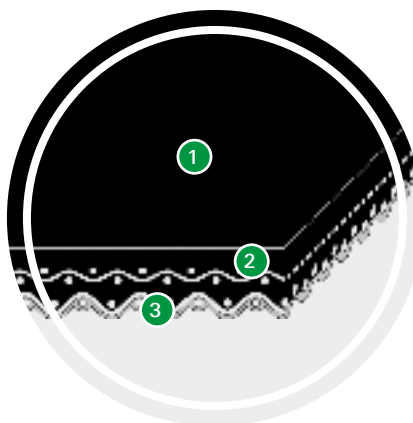
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



ENU-20EXBD

- 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



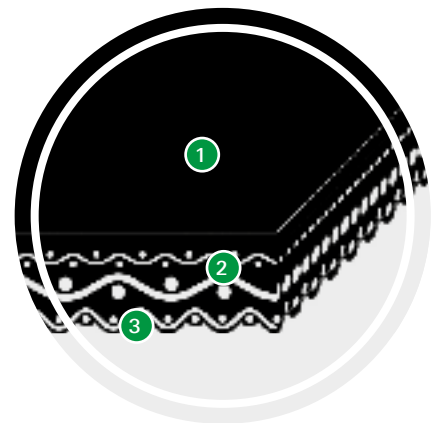
Performance Line printing blankets

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

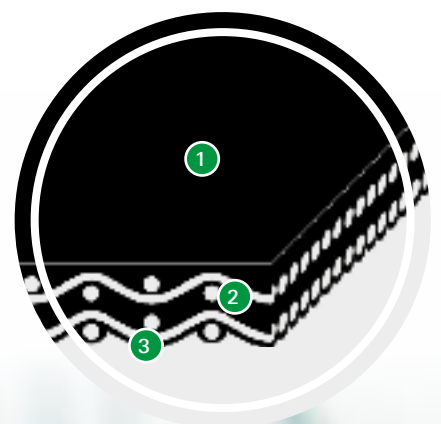
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): aramid fabric
- 03 Running side: impregnated fabric



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

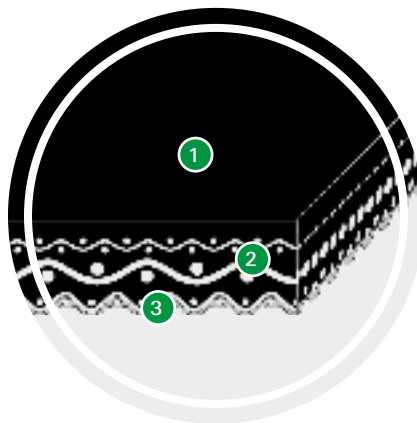


Type	Thickness	Tensile force for 1% elongation (relaxed)	No. of fabrics	Traction layer material	Lateral stiffness	Neutral phase position
	mm	N/mm			N*mm	mm
PB-2886	2.1	28	3	Aramid	475	0.85
PB-2461	2.6	12	2	PET	425	1.30
PB-2456	1.6	5	2	PET	150	0.55
PB-2552	2.1	12	2	PET	220	1.00

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

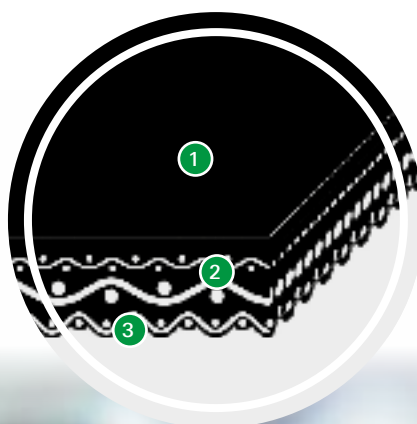
- 01 Conveying side: thermoplastic polyurethane (TPU)
- 02 Traction layer (neutral phase): polyester (PET) fabric
- 03 Running side: impregnated fabric



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



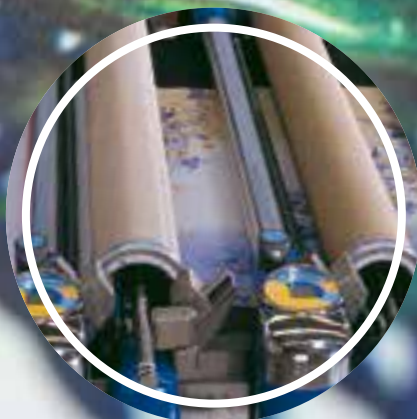
High chemical resistance

- High thermal stability
- Long service life



Flexproof (finger) joints

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



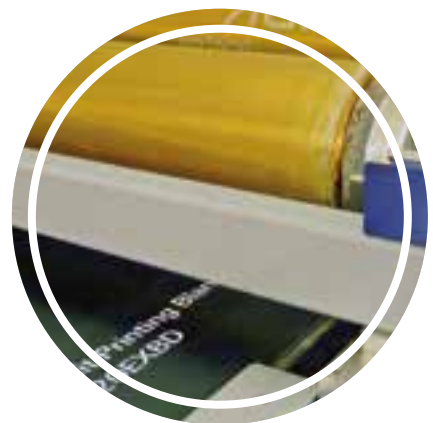
A global network at your service

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.

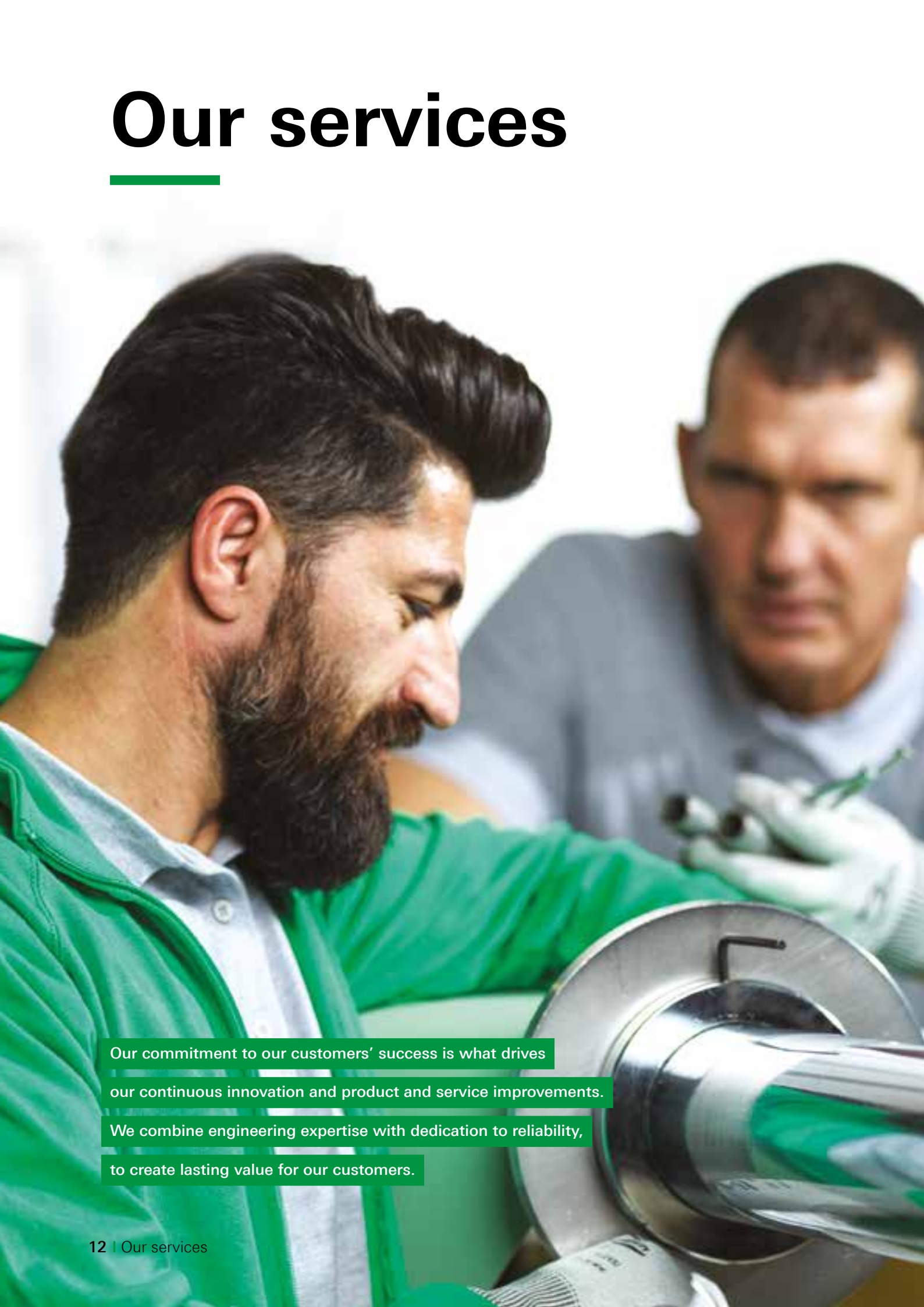
Whether assisting with the right choice of Habasit printing blanket, or aiding with machine design, the team is always ready to help you find the best solution for your application.

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.



Our services

A photograph of two men in a workshop. The man in the foreground has a beard and is wearing a green jacket over a light blue shirt. He is looking down at a piece of machinery. The man in the background is wearing a grey shirt and white gloves, and is also looking at the machinery. The machinery is a large, cylindrical metal component with a green hose attached to it.

Our commitment to our customers' success is what drives our continuous innovation and product and service improvements. We combine engineering expertise with dedication to reliability, to create lasting value for our customers.

Global leadership, local service

Habasit is your local partner with global reach. With 30 affiliated companies, each with its own inventory, fabrication, assembly, and service facilities, plus our worldwide network of partners, we react quickly and expertly to meet your most complex installation challenges.

Comprehensive technical support

From belt selection to design assistance. Extensive knowledge of our customers' processes lets us guide you from application analysis to selecting the optimal solution. We offer online calculation and belt selection tools, as well as on-site engineering assistance and equipment design, to make sure you get the best solution.

Process optimization and everyday efficiency

Innovation comes from understanding our customers' daily challenges. Habasit is more than a belting company. Our experts can provide belt condition monitoring, regular inspections, analysis and surveys at your sites, to keep your lines running smoothly and fully optimize your equipment and production processes.

Sharing knowledge and making business easy

Habasit offers training programs and support tools to ensure optimal use of our products, with training on fabrication, installation, assembly, maintenance and belt repair either at a Habasit site or your own location. Orders, shipping and tracking can be managed via our Customer Care team, or directly online.

Committed to innovation beyond the obvious

Because our customers' challenges and needs are always changing, we are constantly investing in the research and development of new products and solutions not only for today, but also for tomorrow.



Contact us

Habasit has subsidiaries, affiliated companies, representatives and service partners all around the world, dedicated to supporting you whenever and wherever you need us.



Australia

Habasisit Australia Pty Ltd.
Silverwater, Sydney
☎ +61 1300 945 455
🌐 habasisit.com.au

Austria

Habasisit GmbH, Wiener Neudorf
☎ +43 1 690 66
🌐 habasisit.at

Belgium & Luxembourg

Habasisit Belgium N.V., Zaventem
☎ +32 27 250 430
🌐 habasisit.be | habasisit.lu

Brazil

Habasisit do Brasil, Barueri - SP
☎ +55 11 4789 9022
🌐 habasisit.com.br

Canada

Habasisit Canada Ltd., Oakville
☎ +1 905 827 41 31
🌐 habasisit.ca

China

Habasisit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
☎ +852 2145 0150
🌐 habasisit.com.hk

Habasisit (Shanghai) Co. Ltd.
Shanghai
☎ +8621 5488 1218
🌐 habasisit.com.cn

Denmark

Habasisit AB, Vejle, Denmark
☎ +45 23 26 56 57
🌐 habasisit.com

France

Habasisit France S.A.S., Mulhouse
☎ +33 3 89 33 89 03
🌐 habasisit.fr

Germany

Habasisit GmbH, Eppertshausen
☎ +49 6071 969 0
🌐 habasisit.de

India

Habasisit India Private Limited,
Coimbatore
☎ +91 422 666 78 00
🌐 habasisit.in

Italy

Habasisit Italiana SpA
☎ Customer Care: 0438 911333
☎ For int. calls: +39 0438 911444
🌐 habasisit.com

Japan

Habasisit Nippon Co., Ltd, Tokyo
☎ +81 120 07 6339
🌐 habasisit.co.jp

Korea (Republic of)

Habasisit Korea Ltd.,
Seongnam City
☎ +82 31 737 9370
🌐 www.habasisit.co.kr

Mexico

Habasisit México, Zapopan
☎ +52 33 3824 2358
🌐 habasisitmexico.com

Netherlands

Habasisit Netherlands BV, Nijkerk
☎ +31 332 472 030
🌐 habasisit.nl

New Zealand

Habasisit New Zealand Pty Ltd.
Auckland
☎ 0800 000 070
🌐 habasisit.co.nz

Norway

Habasisit Norge AS, Kleppestø,
☎ +47 23 96 0725
🌐 habasisit.com

Poland

Habasisit Polska Sp. z o.o.
Czeladź
☎ +48 32 639 02 40
🌐 habasisit.pl

Romania

Habasisit Belting SRL
Timisoara
☎ +40 256 704 500
🌐 habasisit.ro

Russia

OOO Habasisit Ltd.
Moscow Region
☎ +7 495 966 1566
🌐 habasisit.ru

Singapore

Habasisit Far East Pte Ltd.
Singapore
☎ +65 6862 5566
🌐 habasisit.com.sg

South Africa

Habasisit South Africa Pty Ltd.
Gauteng
☎ +27 10 001 6770
🌐 habasisit.co.za

Spain

Habasisit Hispánica S.A.
Barberá del Vallés
☎ +34 937 191 912
🌐 habasisit.es

Sweden

Habasisit AB, Hindås
☎ +46 301 226 00
🌐 habasisit.se

Switzerland

Habasisit GmbH, Reinach
☎ +41 61 577 51 00
🌐 habasisit.ch

Taiwan

Habasisit (Taiwan) Ltd.
New Taipei City
☎ +886 2 2267 0538
🌐 habasisit.com.tw

Turkey

Habasisit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
☎ +90 444 70 43
🌐 habasisit.com.tr

Ukraine

Habasisit Ukraine LLC., Kyiv
☎ +38 044 290 88 99
🌐 habasisit.ua

United Kingdom & Ireland

Habasisit UK Ltd., Elland
☎ +44 333 207 6570
🌐 habasisit.co.uk

USA

Habasisit America
Suwanee, Georgia
☎ +1 800 458 6431
🌐 habasisitamerica.com

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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