

Printing Blankets for Textile Printing

Habasit – Solutions in motion



Partner to the textile printing industry

Habasit is the leading printing blanket manufacturer worldwide. Our high-quality, innovative products are used for flat screen, rotary screen and digital printing machines, as well as for printing tables.

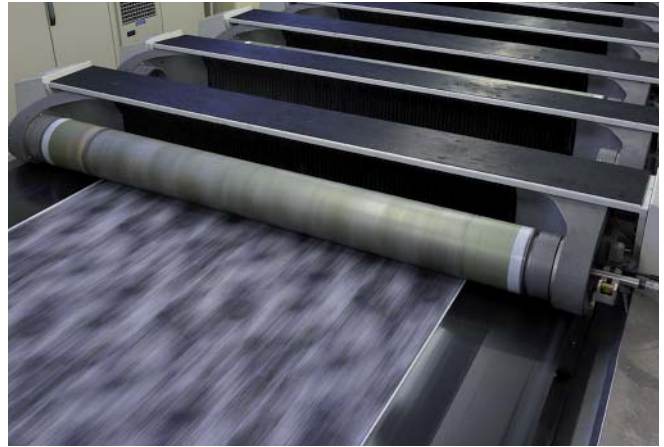
The Habasit range of polyester or aramide TPU printing blankets sets global standards for outstanding quality, ease of installation, high printing accuracy, and excellent cost/performance ratios.

Leading machine manufacturers and end-user textile printers all over the world choose Habasit printing blankets for their original equipment and replacements.

Innovation is key at Habasit

Our complete range of printing blankets enables you to select the best products for your applications, and to keep up with the latest requirements.

Habasit's extensive knowledge of textile printing has been acquired during decades of experience working with market leaders and companies of all sizes in the industry. Based on this, Habasit has now developed a new range of products for the newest generation of machines.



Satisfied customers

Leading international textile printing machine manufacturers rely on Habasit printing blankets:

- Buser Print Systems Ltd.
- Honghua Digital Technology Co., Ltd.
- Huzhou Huisheng Machinery Co., Ltd.
- Jinjiang Jilong Machine Industry Co., Ltd.
- Key Cheng Printing Machinery Ltd.
- MS srl
- Reggiani Macchine S.p.A.
- F.lli Robustelli s.r.l.
- Screenotex Engineers Pvt. Ltd.
- Shanghai Juxin Dyeing & Printing Machine Co, Ltd.
- SPG Prints
- Stalmec Engineering Pvt. Ltd.
- Stovec Industries Ltd.
- Toshin Kogyo (Ichinose) Co., Ltd.
- Zimmer Maschinenbau GmbH



Habasit's performance printing blankets are designed for narrow modern printing machines with electronic controls. They ensure optimal printing results and excellent cost/value ratios for most application.



ENU-16EIBD

Performance polyester printing blanket recommended applications

- Digital sampling and coupon inkjet machines
- Sampling and coupon printing units
- Flat bed single drive machines, printing table up to 24 m
- Rotary machines with magnet squeegee up to 8 colors



E-20EMBD

Performance polyester printing blanket recommended applications

- Rotary machines with magnet system, up to 12 colors
- Rotary machines with squeegee blades
- Digital sampling and coupon inkjet machines
- Flat bed clamping system, any printing table length

Key features

Your benefits

<ul style="list-style-type: none"> • High grade non-adhesive TPU surface material • High chemical resistance • High abrasion- and scratch resistance • Optimal temperature resistance 	<ul style="list-style-type: none"> → Easy and secure cleaning → No separation of layers → No swelling of edges → No surface damage → Efficient and trouble-free production → Reduced ageing of TPU surface → Highly resistant to solvents → Long service life
<ul style="list-style-type: none"> • Even, homogeneous and flat surface structure • Uniform thickness 	<ul style="list-style-type: none"> → High printing reliability → Efficient and trouble-free production
<ul style="list-style-type: none"> • Flexproof joining method 	<ul style="list-style-type: none"> → Quick on-site joining → No marking or ageing of joining area → Lower service costs
<ul style="list-style-type: none"> • E-20EMBD: thickness 2.6 mm 	<ul style="list-style-type: none"> → High weft stiffness → Good stability
<ul style="list-style-type: none"> • ENU-16EIBD: thickness 2 mm • Low belt mass 	<ul style="list-style-type: none"> → Low energy consumption required to drive the printing blanket and for rotary machines with magnet squeegees → Easier to track and guide

Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		No. of fabrics	Weft stiffness		Production width	
	mm	inch	N/mm	lbs/in		N · mm	lbs · in	mm	in
ENU-16EIBD	2.0	0.08	11	63	2 plies PET	250	1428	2400	94
E-20EMBD	2.6	0.1	12	69	2 plies PET	450	2570	2400	94

Our premium printing blankets are designed for high-end printing machines requiring high performance and demanding features such as:

- Narrow and control neutral line fluctuation
- High and uniform printing accuracy
- Dimensional stability
- High weft stiffness
- Reduced take-up
- Easy tracking
- Wide format



ENU-50AXBD

Premium aramide printing blanket recommended applications

- Flat bed twin drive machines, printing table over 30 m
- Rotary machines with magnet system, over 15 printing stations
- High-productivity digital inkjet machines
- Coupon printing tables over 20 m
- Suitable for difficult environments



ENU-20EXBD

Premium polyester printing blanket recommended applications

- Flat bed twin drive machines, printing table up to 28 m
- Flat bed single drive machines, printing table up to 24 m
- Rotary machines with magnet system, up to 12 printing stations
- Sampling and coupon printing tables up to 20 m



ENU-20ELBD

Premium polyester printing blanket recommended applications

- Flat bed machines with clamping systems, any printing table length
- Rotary machines with magnet system, up to 12 printing stations
- Low noise requirements
- Rotary with squeegee blades, any number of colors



ENU-20ELBI

Premium compressible polyester printing blanket recommended applications

- Rotary machines with squeegee blades, any number of colors
- Flat bed machines with clamping systems, any printing table length
- Rotary machines with magnet system, up to 12 printing stations
- Low noise requirements

All premium printing blankets guarantee low deviation of the neutral layer position, as well as a narrow thickness tolerance over the entire printing blanket area.

Key features

Your benefit

Basic features	
<ul style="list-style-type: none"> • High-grade non-adhesive TPU surface material • High chemical resistance • High abrasion- and scratch resistance 	<ul style="list-style-type: none"> → Easy and secure cleaning → No separation of layers → No swelling of edges → No surface damage → Highly resistant to solvents → Easy maintenance
<ul style="list-style-type: none"> • Even and robust surface • Totally closed and homogeneous surface • Uniform thickness 	<ul style="list-style-type: none"> → High and uniform printing accuracy → Long service life
<ul style="list-style-type: none"> • Optimal temperature resistance and stability 	<ul style="list-style-type: none"> → Efficient and trouble-free production → Reduced ageing of TPU surface → Trouble-free operation
<ul style="list-style-type: none"> • Flexproof joining method 	<ul style="list-style-type: none"> → Quick on-site joining → No marking or ageing of joining area → Lower service costs
Aramide specific features	
<ul style="list-style-type: none"> • Aramide fabric traction layer • High modulus of elasticity • Flat and high transversal rigidity 	<ul style="list-style-type: none"> → Dimensionally stable in all running conditions → Short take-up of the belt → High repeat accuracy → Very precise neutral layer positioning → No elongation due to temperature → Excellent tracking → Excellent printing blanket stability → High repeat accuracy
Low noise specific features	
<ul style="list-style-type: none"> • Low noise impregnated fabric on pulley side 	<ul style="list-style-type: none"> → Smooth high-speed running → Noise reduction

Technical key data

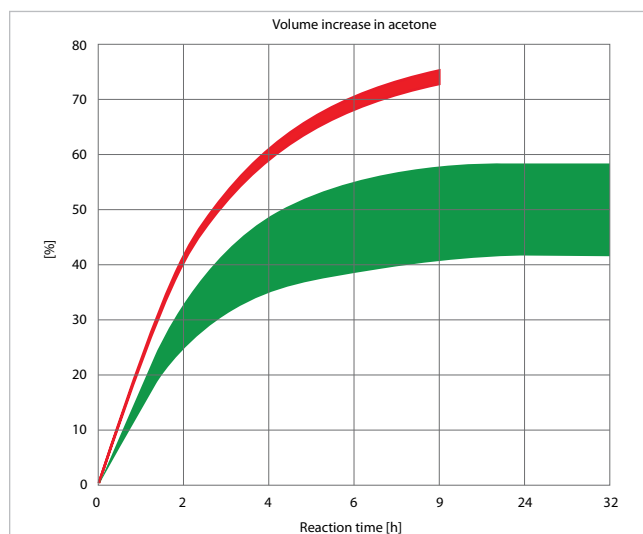
Type	Thickness		Tensile force for 1% elongation (relaxed)		No. of fabrics	Weft stiffness		Production width	
	mm	inch	N/mm	lbs/in		N · mm	lbs · in	mm	in
ENU-50AXB	2.3	0.09	28	160	2 plies PET 1 ply Aramide	700	3997	up to 4000	up to 157
ENU-20EXB	2.15	0.08	12	69	2 plies PET	400	2284	up to 4000	up to 157
ENU-20ELB	2.6	0.1	12	69	2 plies PET	290	1656	up to 4000	up to 157
ENU-20ELBI	2.6	0.1	11	63	2 plies PET	370	2113	2400	94

The most comprehensive printing blanket range worldwide

Applications	Premium line				Performance line	
	High precision requirements			Cushion effect	High value/performance ratio	
	ENU-50AXB	ENU-20EXB	ENU-20ELB	ENU-20ELBI	E-20EMB	ENU-16EIB
Flat bed machines						
Twin drive up to 28 m printing table	○	●	–	–	–	○
Twin drive over 30 m printing table	●	○	–	–	–	–
Single drive up to 24 m printing table	○	●	–	–	–	○
Clamping drive any printing table length	–	–	●	○	●	–
Rotary machines						
Squeegee blades any number of colors	–	○	○	●	○	○
Magnet system up to 12 colors	○	●	○	○	○	○
Magnet system over 15 colors	●	○	–	–	–	–
Digital inkjet machines						
High productivity/heavy industries	●	○	–	–	–	○
Sampling and coupon	–	○	–	–	○	●
Coupon printing machines						
Coupon printing machines up to 20 m	○	○	–	–	○	●
Coupon printing machines over 20 m	●	○	–	–	–	○
Sampling machines						
Sampling machines up to 12 m	–	○	–	–	○	●
Sampling machines over 12 m	○	●	–	–	○	○

- Appropriate
- Alternative
- Inappropriate/Inconvenient

Chemical resistance/acetone test



The high-grade TPU polyurethane surface on Habasit printing blankets permits the use of all widely available cleaning agents and is highly resistant to solvents. It also withstands brief contact with acetone and similar ketones.

- Range of available printing blankets with standard PU
- Habasit range of printing blankets with special PU

For detailed information, please consult our brochure "Printing blankets handling and maintenance instructions" Literature code 6036



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

Habasit is strongly committed to the continuous development of innovative, value-added solutions. Over 3% of our staff are dedicated exclusively to R&D, and our annual investment in this area exceeds 8% of turnover.

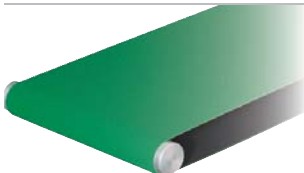
Certified for quality

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 9001:2000.



Worldwide leading product range

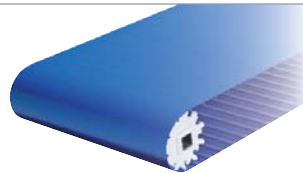
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



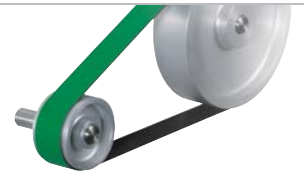
Fabric based conveyor and processing belts
HabaFLOW®



Plastic modular belts
HabasitLINK®/KVP®



Positive drive conveyor and processing belts
Habasit Cleandrive™



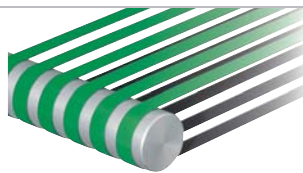
Power transmission belts
HabaDRIVE®



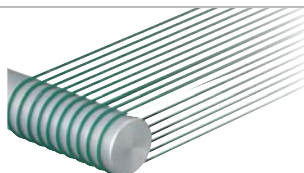
Timing belts
HabaSYNC®



Chains (slat and conveyor chains)
HabaCHAIN®



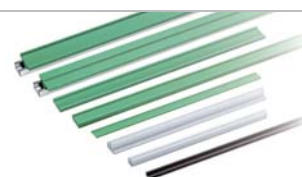
Machine tapes



Round belts



Seamless belts



Profiles, Guides, Wear strips
HabiPLAST®



Fabrication tools (joining tools)



Gearmotors
Electric motors
Motion control

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Seamless belts, timing belts
Middletown, Connecticut
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www.habasync.com

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

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Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice. BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.

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