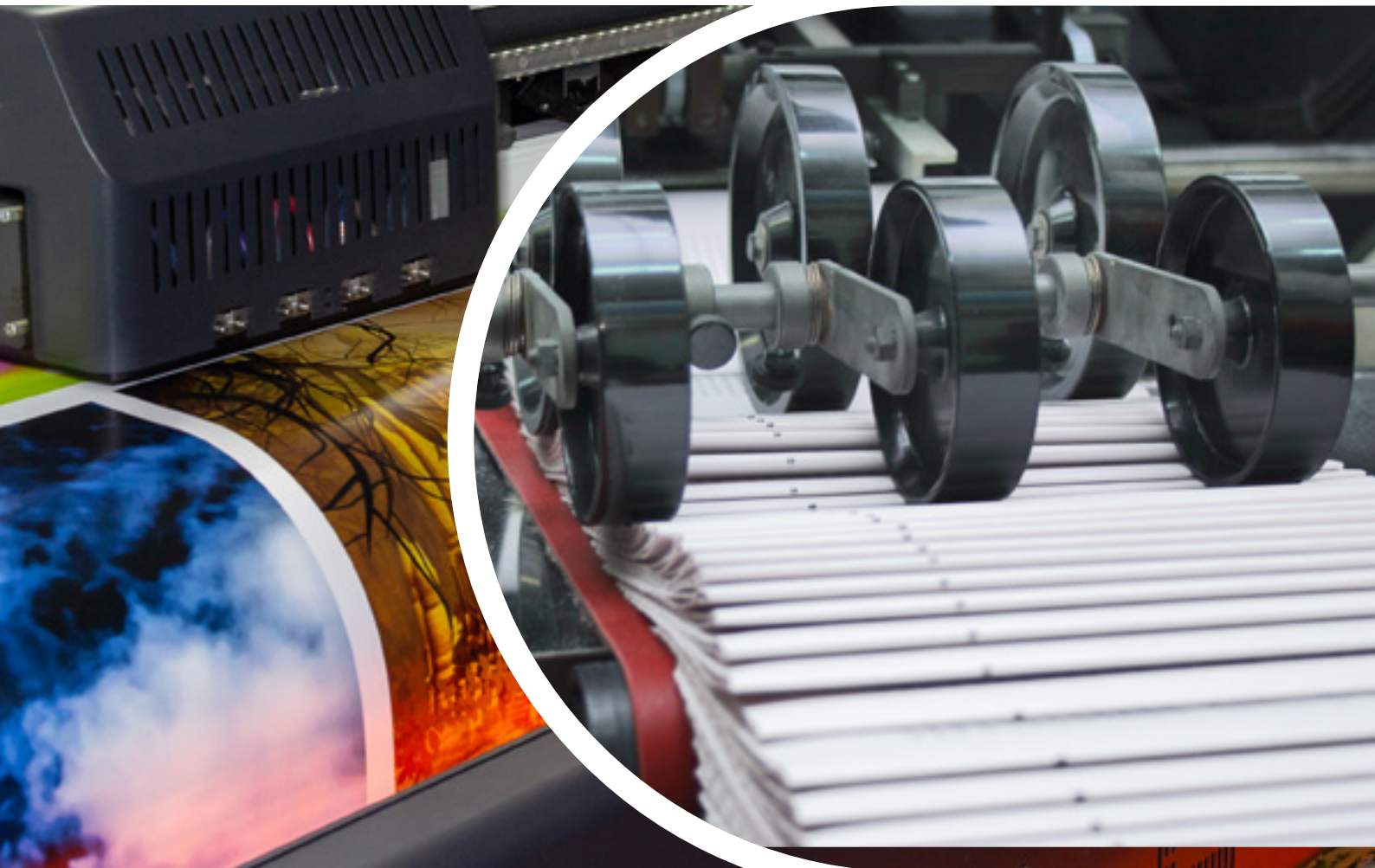


# Reliable operations and high performance

For paper printing and finishing



# Reliable operations and high performance



What are your top operational priorities? If you need accurate processing, excellent paper handling, and a long belt service life, Habasit's high-quality belting delivers all these and more through optimal solutions tailored to your specific needs.

Whether for sheet-fed and web-fed printing, newspaper and magazine production, or finishing and bookbinding, we can help you at every stage of the paper and printing value chain.

Is your business experiencing cost pressures, higher quality requirements, and shorter time-to-market demands? We know it's an increasingly tough environment for the paper printing and finishing industry; the entire process chain is affected. The answer is to engage a partner like Habasit that truly understands your business and has the technical expertise and resources to help you achieve maximum operational efficiency and profitability.

#### **Identifying the best solution for your application**

You know that competitiveness is crucial, and it's vital to reduce costs and increase productivity. This is precisely where Habasit comes in. We have 75 years of industry experience and vast application knowledge gained through working with the world's leading OEMs and manufacturers. So we can offer you highly cost-effective, tailor-made solutions that deliver the optimal response to your precise needs.

#### **Innovation is key at Habasit**

Continuous research and development has led to our extensive array of feeder belts, machine tapes, power transmission belts, timing belts, plastic modular belts and chains, conveyor belts, and complementary products and services for all types of applications. Our growing portfolio helps you respond rapidly to the latest market trends, and keep up with your customers' demands.

#### **Belts, the key element for your processing lines**

Belts play an essential role in the production process. With newspapers, for example, if the belt fails in the folding section, the paper isn't folded, the whole production line stops, and consumers don't get their daily news. Although the belts used in paper and printing applications represent less than 0.5% (on average) of the overall cost, unplanned belt stoppages lead to costly repairs, lost production time, and lower revenues. So top-quality, reliable belting, is essential.



# Sheet-fed and web-fed printing

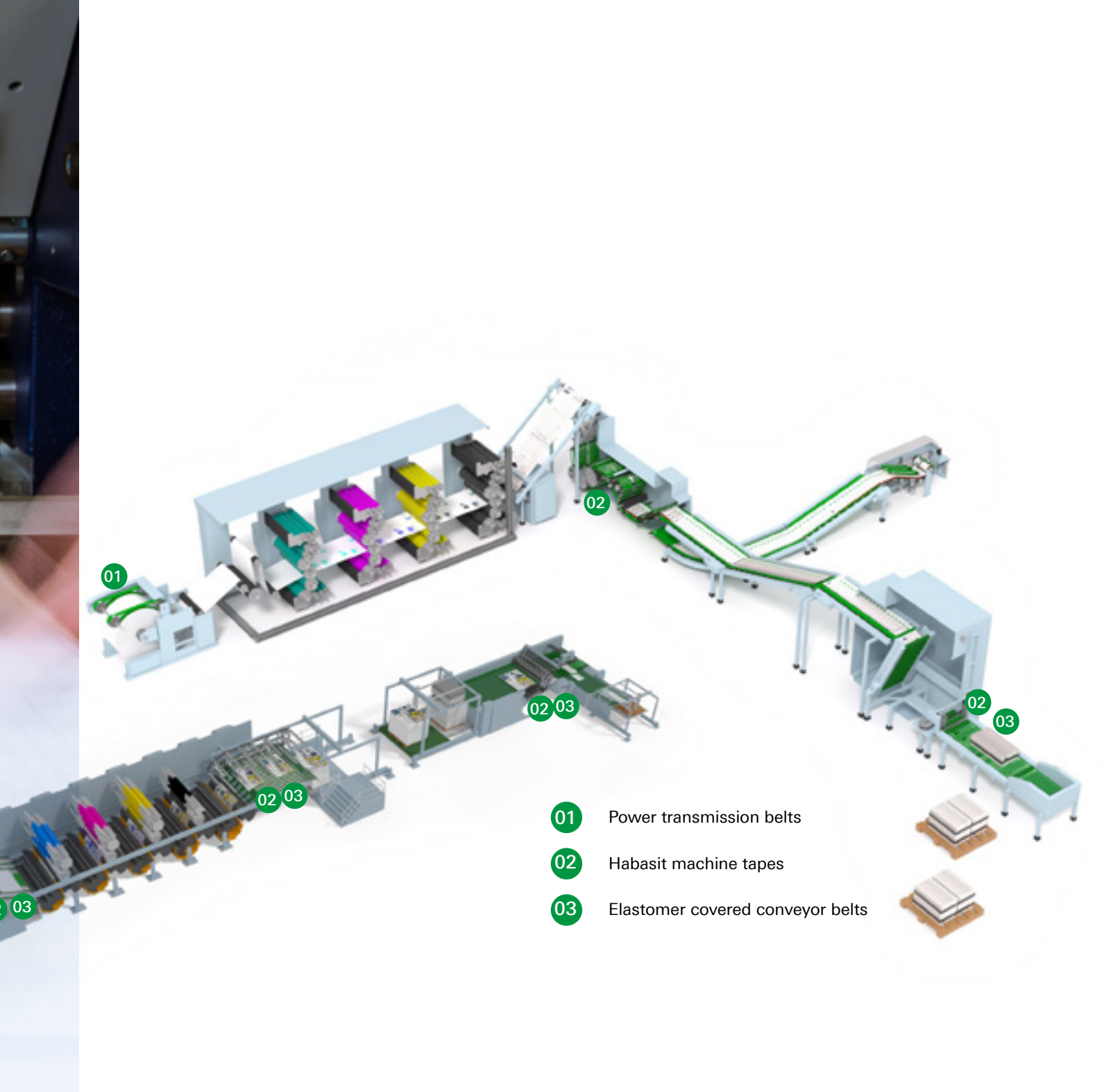
Whether your customers demand large numbers of catalogues at speed, or want the highest quality printing and flexible production, Habasit has the experience and the belting solutions to help you satisfy these requirements reliably and cost-efficiently. Our engineers will work with you to conquer your most demanding challenges, from achieving smear-free printing with fresh ink in dusty environments, to ensuring consistently reliable and accurate folding.

## Process optimization

Whatever you need, from a spare part, to an entirely new production line, to consultancy advice on optimizing your existing systems, we are here for you. With on-site analysis of your processes, we can offer expert advice on everything from choosing the most suitable belt to improving an existing application to achieve higher machine output, lower maintenance costs, and higher product quality.

## We have the solution for your paper processing challenges

Because we understand your business, you can be confident that whatever your particular challenge, we can create the optimal solution for you. Our highly experienced application engineers will solve your difficulties and improve production at every stage of your process. We've identified the eight most common processing challenges in your industry. There's a Habasit solution for them all.



- 01 Power transmission belts
- 02 Habasit machine tapes
- 03 Elastomer covered conveyor belts



### Stable speed

Stable speed is essential to guaranteeing that paper is precisely printed, folded, and processed. Our belts provide safe and consistent grip over their entire lifetime, ensuring reliable load transmission and process accuracy even at high speeds. A high belt strength (modulus of elasticity) and good dimensional stability support consistent belt speed. No re-tensioning is needed.



### High abrasion and wear resistance

High wear and abrasion on paper printing and finishing lines presents a challenge that we address by using highly robust and durable materials for our belts. Our optimized belt surface materials provide outstanding abrasion resistance and consistent grip. These features, combined with excellent flex-fatigue properties, ensure best-in-class lifetimes for our belts.

# Newspaper and magazine production

In an industry dedicated to being "first in the morning", preventive maintenance is essential. When a delay is unacceptable, every component must perform perfectly at all times. Habasit's first-class solutions and services meet all your preventive maintenance challenges and needs: from precise winding and unwinding of pre-produced newspaper sections onto and from storage drums, to the reliable insertion of pre-produced sections and their combination with daily news sections to create the final publication.

## On-site service and maintenance

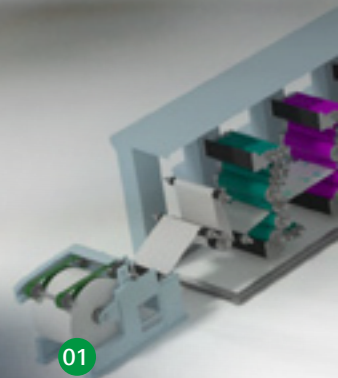
Habasit is your local partner with global reach. Everything from fabrication and assembly to consulting and service is at your fingertips. Our service engineers provide belt maintenance, replacements, and repairs on site, and offer emergency support to get your process running again if there's an unplanned production stop.

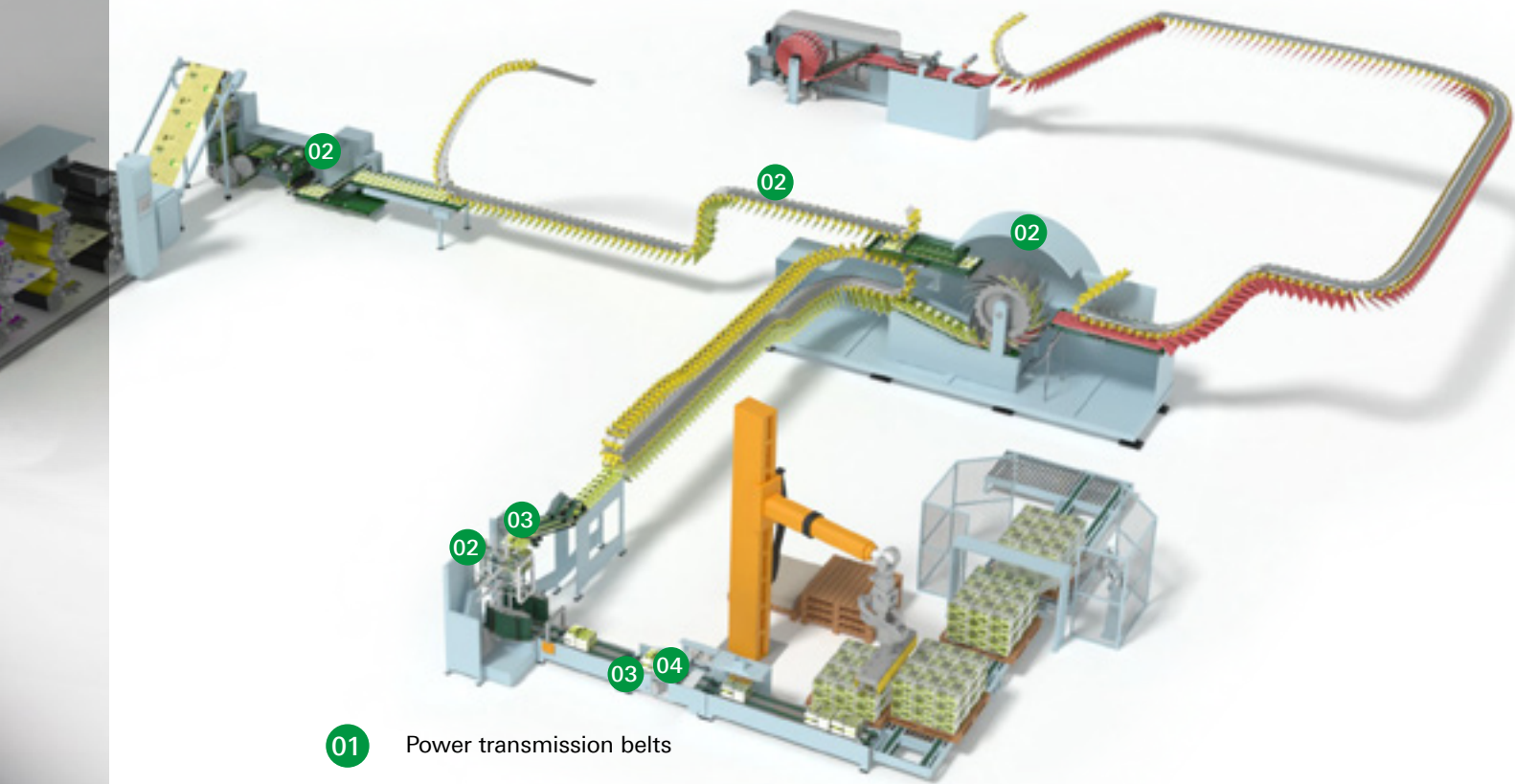


## Operating in challenging ambient conditions

We make sure that your processes run smoothly even in the most challenging ambient conditions.

Our durable belt materials can cope with both high temperatures and high humidity. The belt materials also provide good dimensional stability even when there are changes to ambient humidity, which eliminates the need for re-tensioning.





- 01 Power transmission belts
- 02 Habasit machine tapes
- 03 Elastomer covered conveyor belts
- 04 PVC and TPU conveyor belts



### Smearing and marking of the paper

Our belts offer a safe, smooth and consistent grip over the entire belt lifetime, delivering precise and reliable paper processing and transport without marking, scratching, or smearing. A variety of surface materials, including special rubber compounds, thermoplastic foils, and fabrics, can be selected to precisely match the needs of each application.



### Slippage

Habasit belts ensure a consistent coefficient of friction to provide reliable conveying over the entire belt lifetime and avoid paper slippage.

Optimized belt materials offer high abrasion resistance and consistent grip, and good dimensional stability in changing ambient humidity. This eliminates the need for re-tensioning, and ensures optimal load transmission and minimal downtime.

# Finishing and bookbinding

Our belts feed and transport printed material smoothly and accurately at speed, while offering the grip required to avoid misalignments and missing pages. We have the solutions you need to meet all your insertion, collation, transport, binding, trimming and stacking challenges.

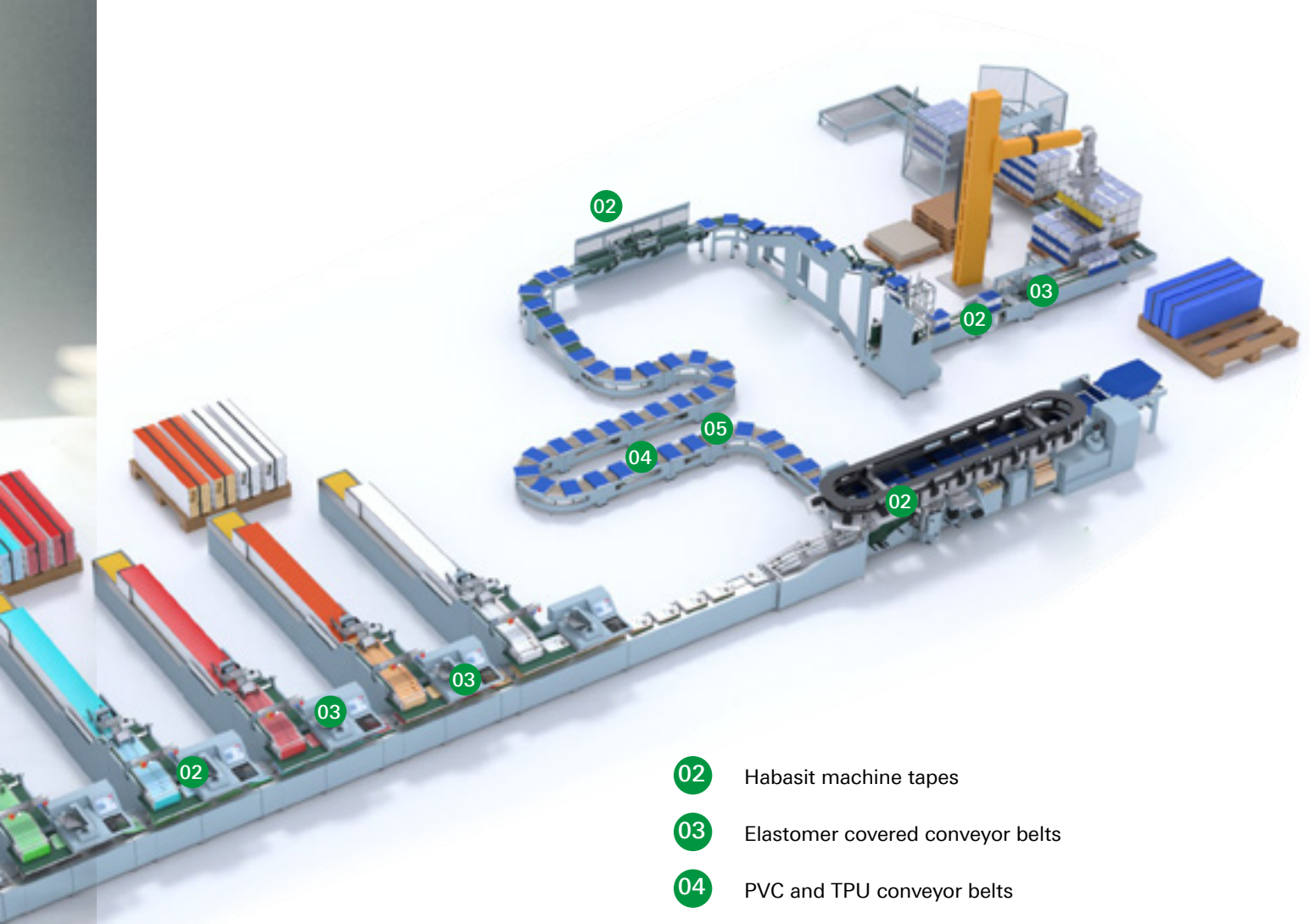
## High quality products

At Habasit we understand that quality goes even beyond the reliability of our products. We know our customers depend on us not only to give them the best solutions for their needs, but also services they can rely on to keep their processes and business in motion. Our world-class belting ensures highly reliable production, excellent paper handling, accurate processing, and a long belt service life.



## Machine downtime and maintenance

Machine downtime and maintenance, especially if unscheduled, reduces production output. Habasit's top-quality belting prevents unplanned downtime and ensures high productivity throughout the belt lifetime. High abrasion resistance and dimensional stability support long belt lifetimes and optimal performance. Good flex-fatigue properties and robust materials also minimize downtime.



- 02 Habasit machine tapes
- 03 Elastomer covered conveyor belts
- 04 PVC and TPU conveyor belts
- 05 Plastic modular belts or chains



**Good tracking of the paper web**  
Paperboard and paper sheets need to be cut precisely. Our belts offer accurate tracking and precise positioning of the transported goods.

This is because our robust belt materials provide good dimensional stability, while our optimized belt surface materials are durable and deliver reliably consistent grip, which supports consistent belt and process speeds.



**Anti-static properties**

The high speed of the paper running on the production lines means that friction during processing can cause a build-up of static charge and affect the production process. The manufacturing process can also lead to the accumulation of paper dust. Our belts' anti-static properties help to avoid the build-up of static electricity and the attraction of dust (e.g paper dust).

# Products

Habasit offers belting products for every application and process step, delivering the right solution for every challenge. Our products set the benchmark, helping to ensure your success in the challenging environment of the paper and printing industry.

Visit our website [www.habasit.com](http://www.habasit.com) for detailed information on our dedicated products for paper printing and finishing applications.



## 01 Habasit power transmission belts

Habasit power transmission belts are the perfect solution for paper reel winders/unwinders. Our comprehensive portfolio offers the following important features:

- Safe and consistent grip over the entire belt lifetime, ensuring reliable load transmission
- High abrasion resistance and excellent flex-fatigue properties, for long belt lifetimes
- Good dimensional stability even in changing ambient humidity
- No re-tensioning required, ensuring optimum runability, consistent speeds, and minimal downtime



## 02 Habasit machine tapes

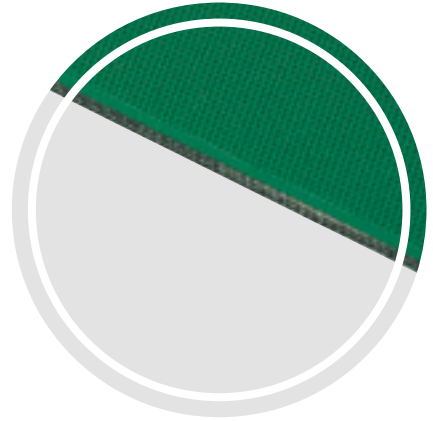
Habasit machine tapes are used in printing process applications that require highly reliable belts with:

- Safe, smooth and consistent grip over the entire belt lifetime for precise and reliable folding and processing, and the smooth transport of printed paper without smearing or marking the fresh ink
- High abrasion resistance, consistent grip, and good dimensional stability delivering best-in-class lifetimes for machine tapes
- Minimal machine downtime and excellent machine performance

### 03 Habasit elastomer-covered conveyor belts

Habasit elastomer-covered conveyor belts are used for printing applications requiring special features, such as:

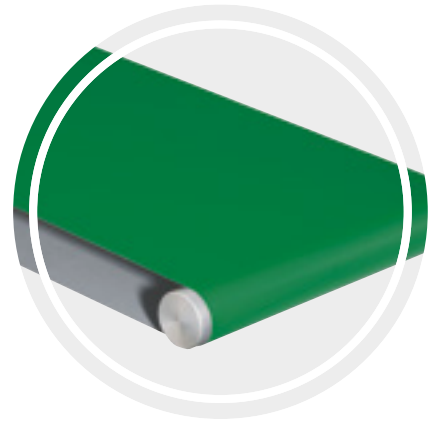
- Safe and constant grip over the entire belt lifetime to ensure precise and reliable insertion and processing of paper or paperboard sheets
- High abrasion resistance and consistent grip
- Good dimensional stability, providing long belt lifetimes and optimum runnability, with minimal machine downtime
- Excellent machine performance



### 04 Habasit PVC and TPU conveyor belts

Habasit PVC and TPU conveyor belts are used for standard conveying in many applications in the paper printing process that require:

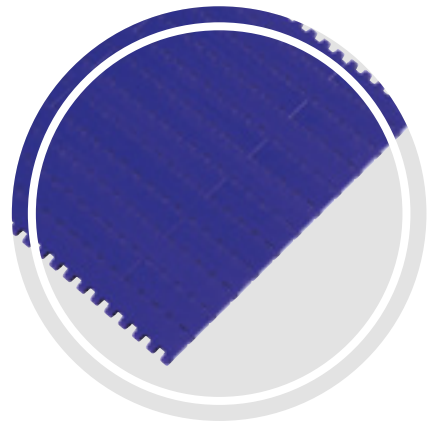
- Good abrasion resistance and good dimensional stability, ensuring long belt lifetimes and optimum runnability with minimal machine downtime
- A consistent coefficient of friction that provides reliable conveying over the entire belt lifetime
- Surface properties to match the conveyed paper type, ensuring smooth conveying without scratching or marking



### 05 Habasit plastic modular belts and chains

Habasit plastic modular belts and chains are used to transport and dry finished products, delivering the following benefits in printing and finishing processes:

- Good dimensional stability of belts, even in changing ambient humidity
- Stable transportation of products
- Non-sensitivity to temperature (e.g. hot melt gluing elevates belt temperatures)
- Long lifetimes and minimum downtime thanks to the robust materials used to ensure high abrasion resistance

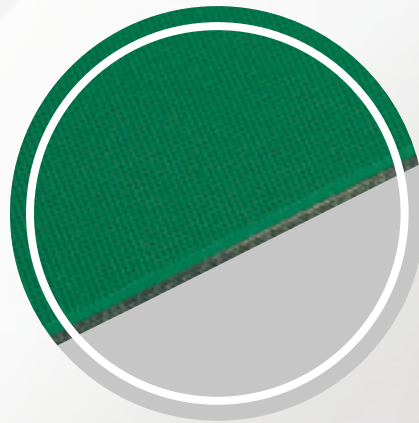


# Improved product quality and smooth transport of high-end coated papers

## Improved high-end paper product quality and longer belt lifetime

### Customer background

The customer specializes in the manufacture of high-end coated papers using state-of-the-art technology. These papers are designed for extremely demanding publishing, advertising and print applications, with paper weights between 150 g/m<sup>2</sup> and 250 g/m<sup>2</sup>. The machines involved: five Jagenberg Synchro cross cutters (sheeters) and a Pasaban cross cutter.



### Belt application

Paper transport belt on a cross cutter  
Speed: 200 m/min  
The belts are applied in sets

### Challenge

It is essential that there is no scratching of the coated high-gloss papers. In addition, the belts need adequate transversal rigidity because they are guided by pins. The customer was dissatisfied with the lifetime and performance of the competitor belts already installed.

### Habasit's solution

Habasit installed our MAV-5E belts, which feature a foamed (and patented) TPU surface. The new belts offered the benefits of longer belt life (>18 months vs the competitor product's 12-16 months). They ensured no marking or scratching of the paper during processing, delivering coated, high-gloss paper that fully satisfies the customer's expectations. Even after 18 months, when the belt surface became glossy, the paper continued to be properly and smoothly transported.

### Satisfied customer

The MAV-5E belts proved an excellent solution for smooth handling of glossy and matt paper. The belts meet all the customer's requirements regarding belt guiding, offering easy and fast joining, an excellent belt lifetime, and a very attractive price/performance ratio.

### The customer validated this belt after 18 months of testing on the Jagenberg Synchro cross cutter

### Benefits

Habasit installed our MAV-5E belts, which feature a foamed (and patented) TPU surface.

Our belts offer:

- Longer belt life (>18 months vs. the competitor product's 12-16 months)
- No marking or scratching of the paper during processing, delivering coated, high-gloss paper that fully satisfies the customer's expectations
- Even after 18 months, when the belt surface became glossy, the paper continued to be properly and smoothly transported



To read more success stories visit  
the Habasit website: [www.habasit.com](http://www.habasit.com)

# Reliable operations and high performance in highly demanding paper sheet transport application

Excellent paper handling with a constant coefficient of friction

## Customer background

The customer is a German OEM in the paper finishing sector.

## Belt application

Paper sheet transport after the folder and feed table.

## Challenge

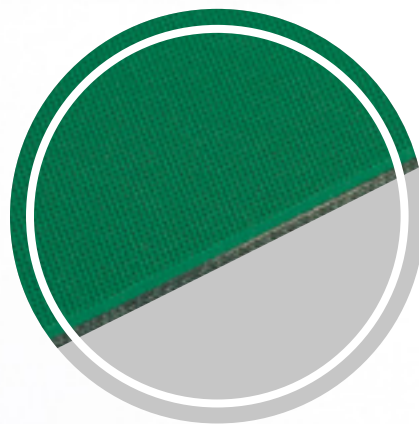
This highly demanding application involves multiple belts, and produces product stacks "from above". The customer was dissatisfied with the short lifetime of its existing belts, which did not meet the requirement for a constant coefficient of friction throughout the entire lifetime of the belt, with no elongation.

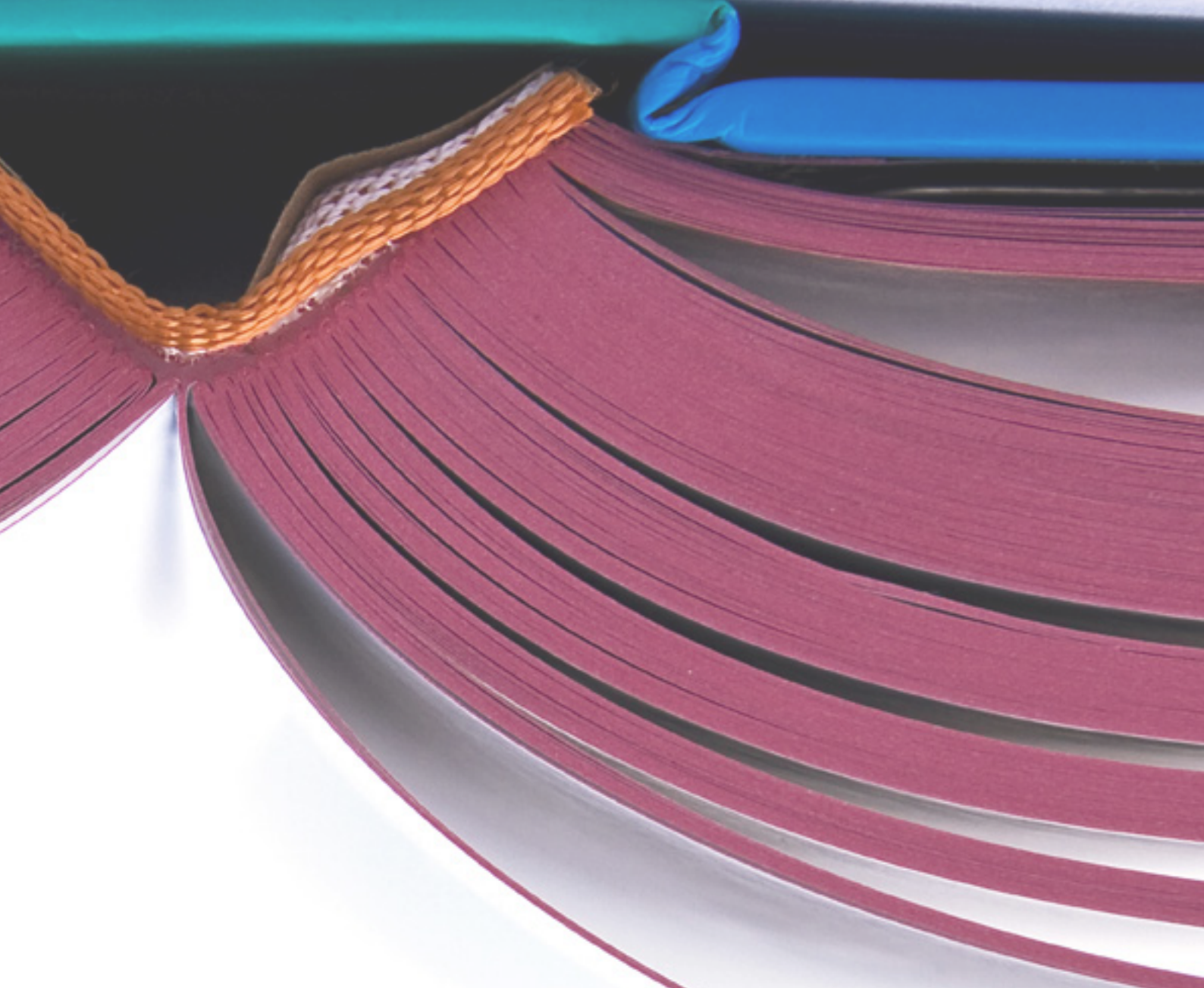
## Habasit's solution

Habasit provided our MAB-02 high-quality belts, which offer a lifetime of one year, delivering 5,800 operation hours.

## Satisfied customer

The excellent performance of the MAB-02 belts means that they will be used in future developments, thanks to their reliable operation and high performance.





### Benefits

Habasit advised to install our MAB-02 high-quality belts which offered the customer:


- Excellent paper handling even in this highly demanding application
- Ease of maintenance because of a constant coefficient of friction and no belt elongation
- Belt lifetime of one year, delivering 5,800 operation hours



To read more success stories visit the Habasit website: [www.habasit.com](http://www.habasit.com)

# Our services

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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

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