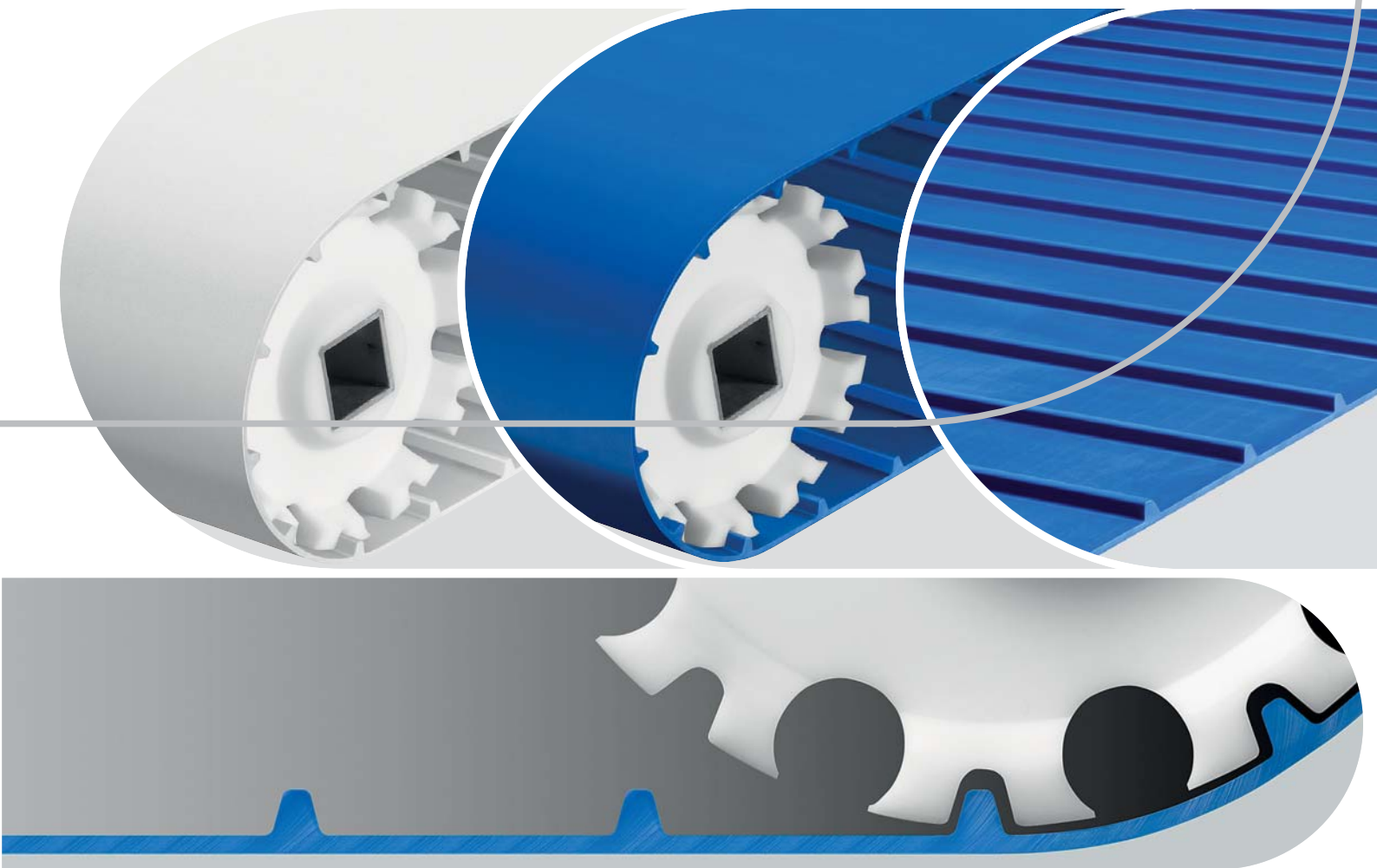


Habasit Cleandrive™ Positive Drive Belts

Habasit—Solutions in motion



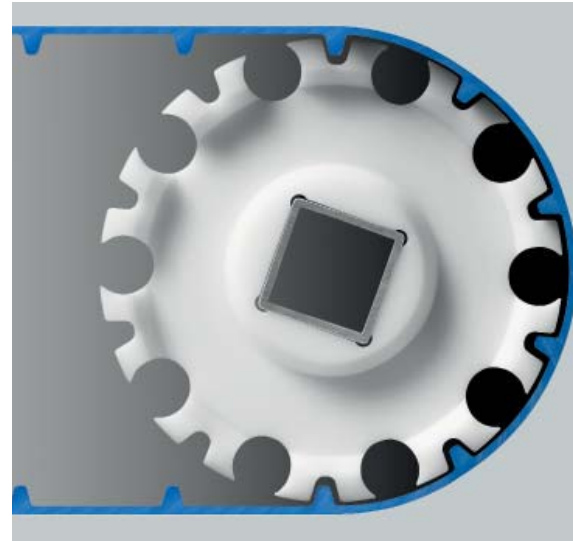
New belt concept

While belts play a key role in many production processes, in the food industry, the hygiene properties of the belts used are absolutely crucial.

For specific applications in hygiene-sensitive areas, Habasit has developed a brand new belt concept: the Habasit Cleandrive™ conveyor and processing belt.

Habasit Cleandrive™ features a totally smooth conveying surface combined with a reverse side structure of lateral drive bars, which provide a positive fit to the sprockets.

High-quality thermoplastic material permits use in aggressive cleaning areas, while the closed surface limits the accumulation of waste and debris on the reverse side. Longitudinal reinforcement using high-tech cords ensures a long-term belt stability in the application. The positive engagement of Habasit Cleandrive™ allows an energy-saving conveyor design, similar to plastic modular belt conveyors.



The Habasit product range

Habasit offers a wide range of belts for a variety of applications, as well as complementary products and services for the food industry:

- **HabasitLINK®/KVP®** plastic modular belts, including the new
- **Habasit HyCLEAN** belts and sprockets, and the HyCLEAN CIP system
- **Fabric-based** conveyor and processing belts
- **HyGUARD®/HabaGUARD®** antimicrobial belts
- **HySAN®** oil- and fat-resistant PVC belts
- **HabaCHAIN®** slat and conveyor chains
- **HabiPLAST®** profiles, guides and wear strips
- **Rossi** gearmotors and gear reducers, featuring the HyCLEAN series



Habasit Cleandrive™ positive drive belts are designed to limit hygiene risks. As a result, they are particularly appropriate for use in the food industry.


Wet food processing

- Meat and poultry processing:
Cooked, fried, frozen products, processed meat and poultry handling, and sausage production
- Fish and seafood processing:
Washed, cooked, fried, frozen products, processed fish and seafood handling
- Fruit and vegetable processing:
Washed, cooked, steamed, blanched, fried and frozen products
- Potato processing:
French fries and chip manufacture

Habasit Cleandrive™ also offers excellent drive properties, advantageous also in other food areas

- Bakery:
Dough handling, baked, fried or frozen pastry and snack foods
- Cheese production:
Curing, handling, packaging of cheese and other dairy products
- Cereal manufacturing:
Handling of cooked, expanded, blanched and cured cereal products

Habasit Cleandrive™ belts meet all core regulatory requirements for the food processing industry

- FDA and EU food contact material regulations
- NSF 
- USDA Meat and Poultry
- USDA Dairy

Other conveyor applications

In addition to serving the food industry, Habasit Cleandrive™ is an excellent solution for several complex conveyor applications. This is because Habasit Cleandrive™ offers good drive behavior combined with high lateral stiffness and excellent durability.

Applications include:

- Metal detection units
- Incline/decline conveyors
- Any elevating/packaging or product handling application due to available accessories and durable belt design

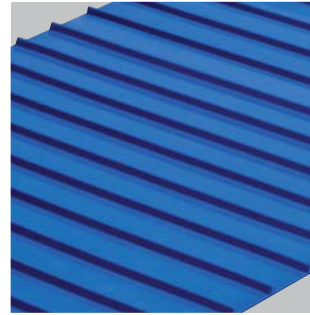
Habasit Cleandrive™ features

- Drive bars to provide a positive engagement with sprockets
- Belts with 1" and 2" drive bar pitch
- A closed thermoplastic surface for easy cleaning and no accumulation of waste and dirt
- Longitudinal reinforcement to avoid creep/elongation and keep belt dimensions stable
- Wide range of thermoplastic weldable auxiliaries: cleats and side walls – all with hygienic design and the same chemical resistance as the belt carcass
- Dedicated moulded HyCLEAN sprockets
- Additional auxiliaries for the conveyor e.g. the Habiplast® profiles range offering an ideal combination of materials from a single experienced partner



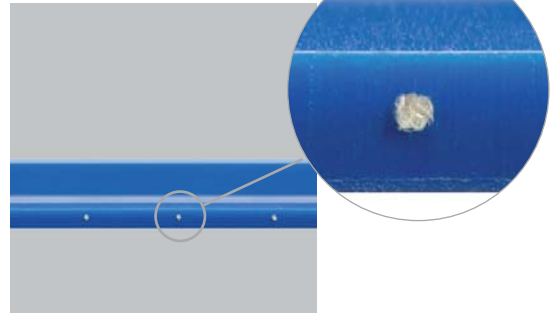
Drive bar

The well-designed full belt width drive bar supports continuous sprocket engagement in a low- or no-tension conveyor design.



Tensile member

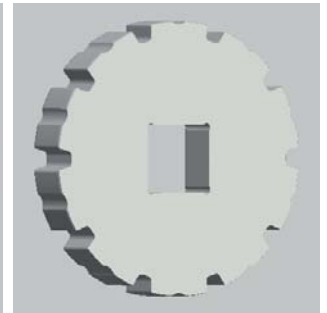
Habasit Cleandrive™ features longitudinal reinforcement made from a high-tech fiber. As a result, belt elongation at load is substantially lower over the whole belt lifetime. The cords are fully embedded in the thermoplastic material.



Sprocket

Habasit Cleandrive™ is designed to fit into various sprockets.

For increased cleaning requirements Habasit recommends to use Habasit Cleandrive™ HyCLEAN sprockets which can be ideally combined with the HyCLEAN CIP (Cleaning-In-Place) system.



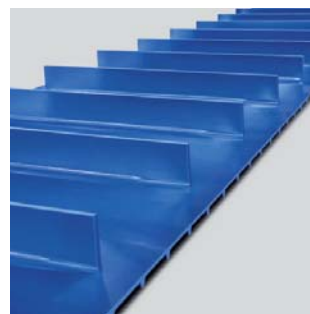
Raw material

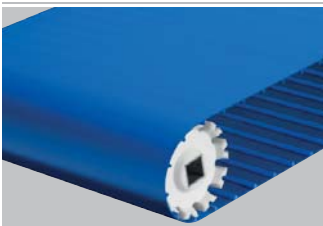

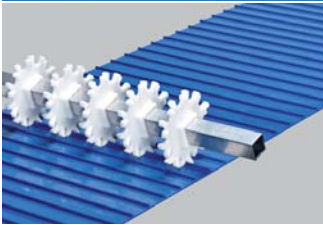


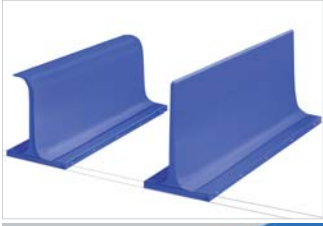

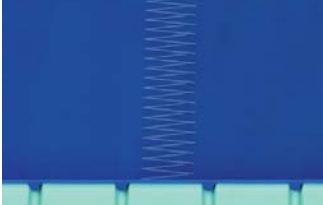
The raw material used for Habasit Cleandrive™ belts features long-term resistance against common cleaning agents. Combined with the tensile member, the belt offers a long service life in tough ambient conditions. The materials are fully approved by the leading food authorities.



Overall design

Manufactured in open-length coils, Habasit Cleandrive™ belts only need cutting to width, and one state-of-the-art joint to be installed endless. The smooth surface, materials used, and belt shape provide excellent support for the requirements of hygiene-critical food applications.



	Features	Benefits
	<ul style="list-style-type: none"> • High-tech fiber as tensile member 	<ul style="list-style-type: none"> → No belt creep at load → Constant belt dimensions → Good tracking behavior over entire lifetime → Reduced downtimes
	<ul style="list-style-type: none"> • Homogeneous, closed, smooth surface • Shiny surface 	<ul style="list-style-type: none"> → No traps or hinges to clamp product → Very easy and fast cleaning → Good product release → Increased yield and efficiency → Reduced costs → Easy debris removal
	<ul style="list-style-type: none"> • Full belt width drive bars 	<ul style="list-style-type: none"> → Firm and reliable engagement in sprockets
	<ul style="list-style-type: none"> • Good chemical resistance of thermoplastic material 	<ul style="list-style-type: none"> → Cleaning agents cannot affect belt material → Increased lifetime → Reduced hygiene risks
	<ul style="list-style-type: none"> • Sprocket design optimized for Habasit Cleandrive™ 	<ul style="list-style-type: none"> → Smooth and trouble-free running → Designed for easy and efficient cleaning
	<ul style="list-style-type: none"> • Wide range of profiles: cleats and side walls in same material as the belt 	<ul style="list-style-type: none"> → Easy to weld → Hygienic profile base uses HF welding → High resistance to cleaning agents → Durable belt construction
	<ul style="list-style-type: none"> • Butt Joint with additional welding rod (recommended method) 	<ul style="list-style-type: none"> → Easy on-site joining → Reliable and quick – low downtime → Conveying side remains smooth and even
	<ul style="list-style-type: none"> • Flexproof joining method 	<ul style="list-style-type: none"> → Reliable alternative joining method → Suitable for on-site installation → High load resistance

Joining principles

Habasit Cleandrive™ belts use standard Habasit tooling and our proven adhesive-free Flexproof and Butt Joint technologies for joining. These provide:

- A clean and smooth belt surface after welding – no burrs or weld residues
- Strong and reliable belt joints – supporting even long and heavily loaded belts
- Belt installation on-site, using state-of-the-art high-speed presses, so reducing downtime
- Application of cleats, scoops and side walls in various shape and dimensions



Butt Joint

The dedicated Butt Joint method allows easy joining of Habasit Cleandrive™ positive drive belts, using state-of-the-art hot-air joining tools. Quick and easy to use, the Butt Joint delivers reliable strength and needs a very short downtime.



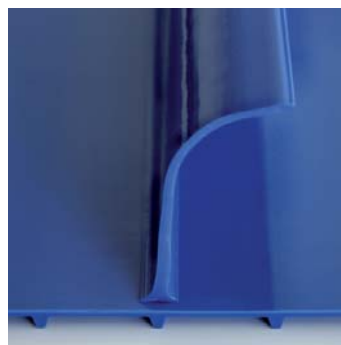
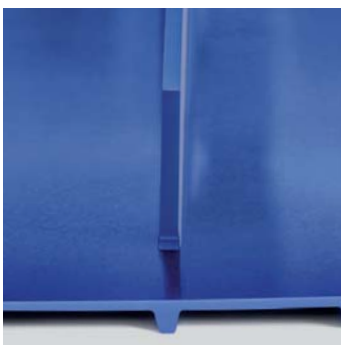
Flexproof

Habasit's proven Flexproof joining method assures a smooth belt surface and a highly reliable joint over the belt lifetime. The extremely long contact length between the two belt ends enables strong integration of the melting thermoplastic material, which keeps its bending properties.



Longitudinal joining

Habasit Cleandrive™ belts are fabricated to 24" width. Wider belts can be produced by longitudinal joining method. Material features and belt strength remain unchanged.



Profile fabrication

Habasit's well-established HF (high frequency) welding process provides excellent profile bonding to the belt surface, with a well-rounded, easy-to-clean profile foot for all profiles used in Habasit Cleandrive™ applications: light and heavy flat cleats, scoops and side walls.



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.

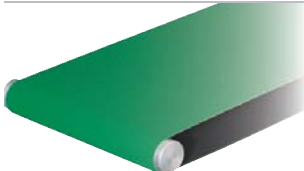
Certified for quality

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.

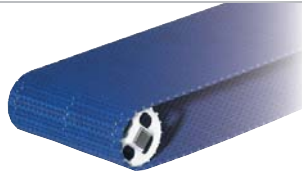


Worldwide leading product range

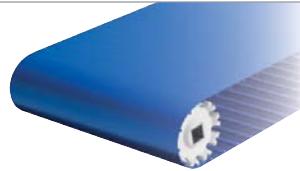
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



Fabric-based conveyor and processing belts
HabaFLOW®



Plastic modular belts
HabasitLINK® /KVP®



Positive drive conveyor and processing belts
Habasit Cleandrive™



Power transmission belts
HabaDRIVE®



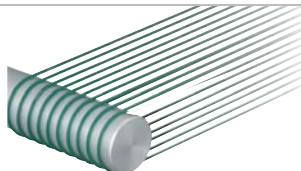
Timing belts
HabaSYNC®



Chains (slat and conveyor chains)
HabaCHAIN®



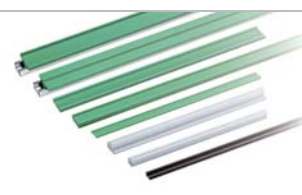
Machine tapes



Round belts



Seamless belts



Profiles, Guides, Wear strips
HabiPLAST®



Fabrication tools (joining tools)



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Electric motors
Motion control

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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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