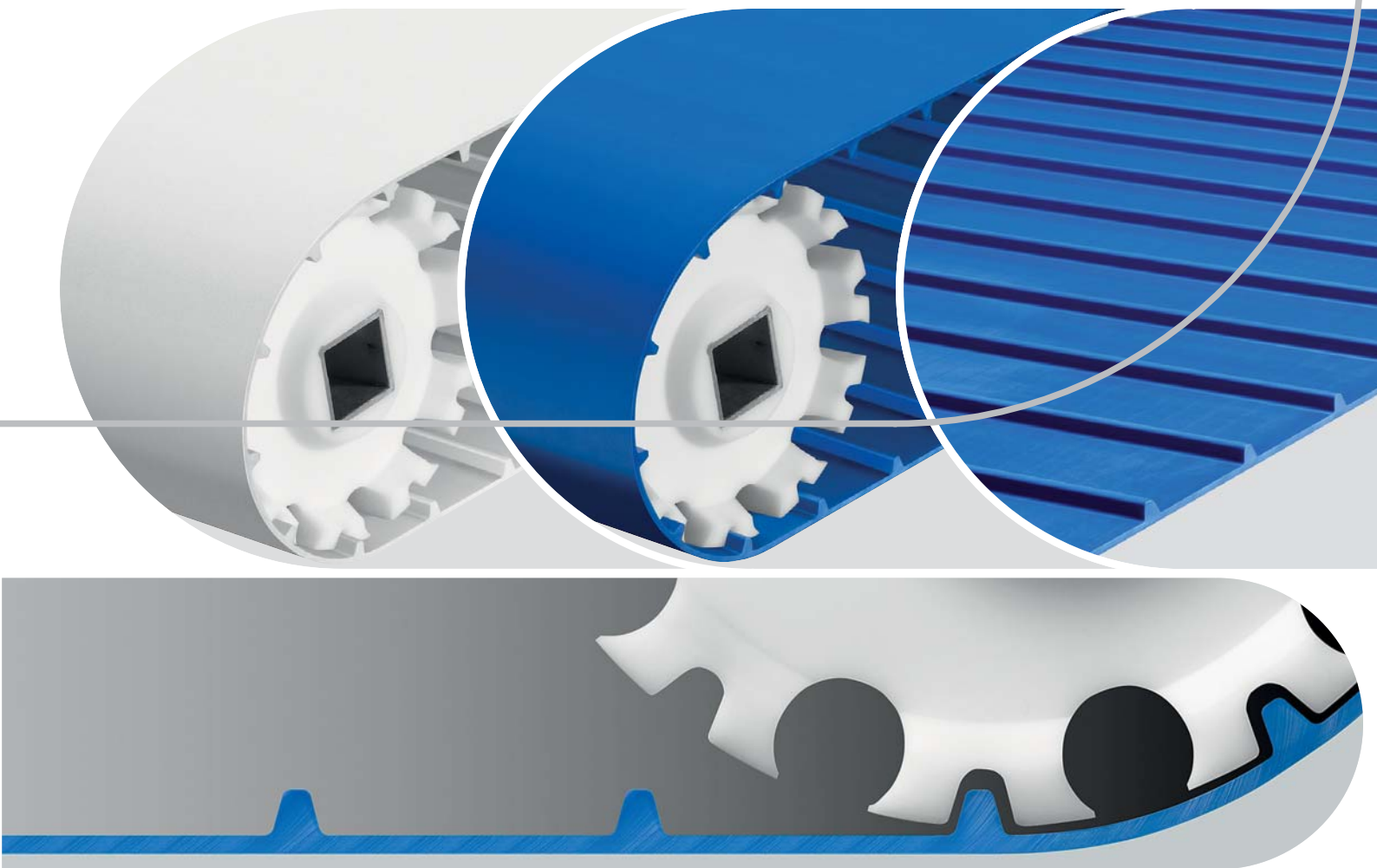




# Habasit Cleandrive™ Positive Drive Belts

Habasit—Solutions in motion



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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.



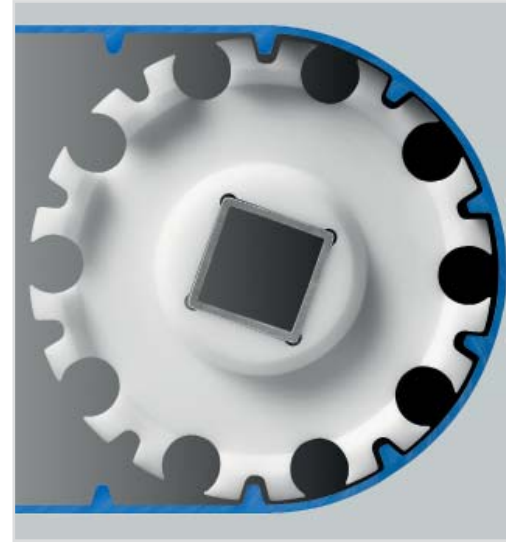
**New belt concept**

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 HyCLEAN belts and sprockets, and the HyCLEAN CIP system
- **HabaFLOW®** 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 the 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, steamed, 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

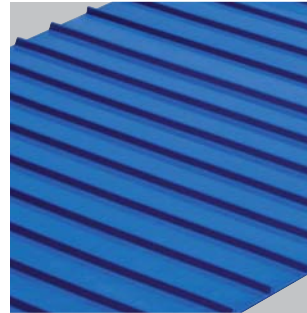
### Habasit Cleandrive™ features

- Drive bars to engage in sprockets providing a positive fit
- 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 limit creep/elongation and keep belt dimensions stable
- Wide range of thermoplastic weldable auxiliary: cleats and sidewalls – all with hygienic design and the same chemical resistance as the belt carcass
- Additional auxiliaries for the conveyor e.g. the Habiplast® profiles range offering an ideal combination of materials from a single experienced partner



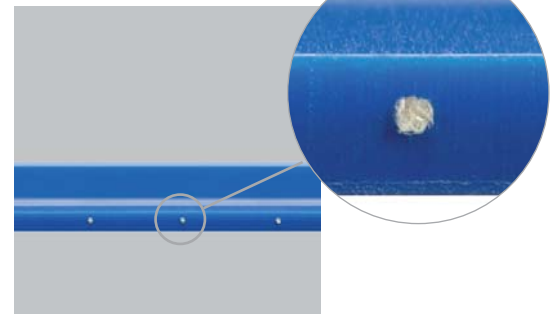
## Drive bar

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



## Tensile member

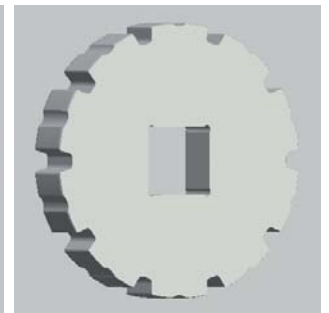
Habasis Cleandrive™ features longitudinal reinforcement made from a high-tech fiber. As a result, belt elongation at load is substantially lower over the whole belt lifetime. The cords are fully embedded in the thermoplastic material.



## Sprocket

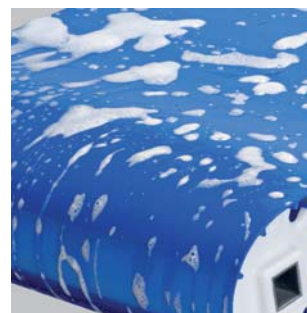
Habasis Cleandrive™ is designed to fit into various sprockets.

For increased cleaning requirements Habasis recommends to use Habasis Cleandrive™ HyCLEAN sprockets with HyCLEAN CIP.



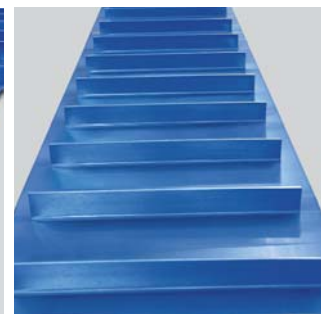
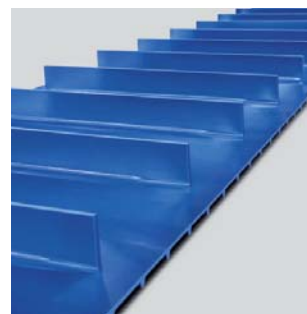
## Raw material

The raw material used for Habasis 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.




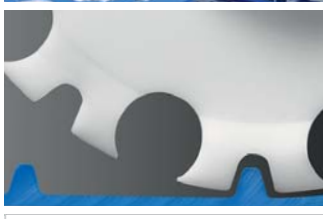


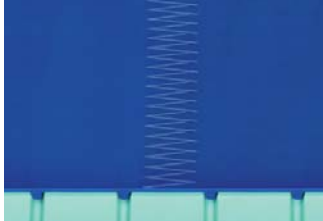



## Overall design

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

## 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 sidewalls in various shape and dimensions



### Butt Joint

The new Butt Joint method allows easy and quick 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.



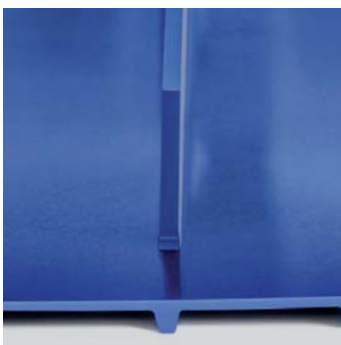
### Flexproof

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 sidewalls.



## www.habasit.com/cleandrive

Visit our website for detailed product data and joining instructions, together with additional and constantly updated information.



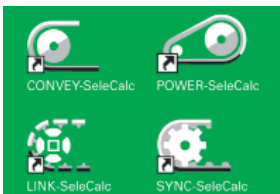
**Comprehensive services are central to Habasit's belting solution approach.**

**As committed partners to our customers, we are dedicated to sharing our knowledge and to providing full support.**



### **Comprehensive consulting and technical support**

Habasit offers the best consulting and technical support on the belting market. Everything revolves around our customers and each affiliate has its own belting experts. The Habasit team is proud to provide the highest levels of support together with top-quality products that have been leaders on the global market for over 60 years.



### **Assistance with belt selection and calculation**

We will select and calculate the most suitable belt for your specific application. You also may do this yourself with our state-of-the-art Habasit selection and calculation program "SeleCalc". To order this program free of charge, simply call your nearest Habasit partner or contact: [info@habasit.com](mailto:info@habasit.com).



### **Fabrication, assembly and local installation services for quick reaction times**

We make belts endless or assemble modular belts or chains, either at our own locations or on-site directly on your machine or system. Habasit operates over 30 affiliated companies worldwide, each with its own inventory, fabrication, assembly and service facilities. Together with our representative offices and numerous qualified distributors, we can react quickly, competently and reliably to satisfy all your demands.



### **Customer training programs**

Habasit offers training programs and provides support tools to ensure optimal use of our products and to prolong their lifetimes. Training on fabrication, installation, assembly, maintenance and belt repair takes place at Habasit sites or at your location.



### **Belt monitoring, inspections, analyses and process optimization proposals**

We organize and handle belt maintenance, inspections, analyses and surveys for your locations. On request we will also work with you to develop optimization proposals, for example, to achieve added value from the machinery or process output.



### **Design assistance for customized solutions**

Habasit believes in partnership. Our engineering team will work closely with your engineers on joint design developments, preferably from a very early stage. We particularly recommend this for projects involving new technologies or large-scale modifications and adaptations.



### 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](http://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.

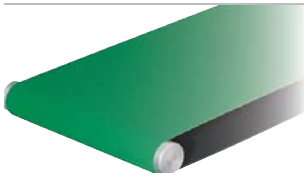
### Certified for quality

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.

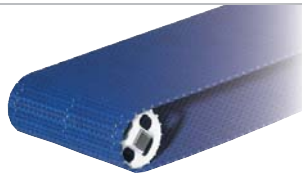


### Worldwide leading product range

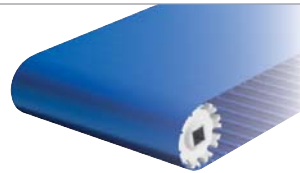
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



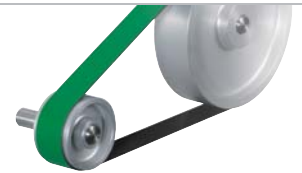
Fabric based conveyor and processing belts  
**HabaFLOW®**



Plastic modular belts  
**HabasitLINK® /KVP®**



Positive drive conveyor and processing belts  
**Habasit Cleandrive™**



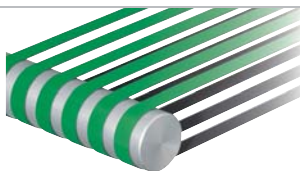
Power transmission belts  
**HabaDRIVE®**



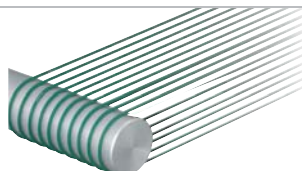
Timing belts  
**HabaSYNC®**



Chains (slat and conveyor chains)  
**HabaCHAIN®**



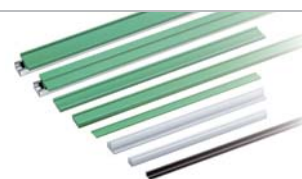
Machine tapes



Round belts



Seamless belts



Profiles, Guides, Wear strips  
**HabiPLAST®**



Fabrication tools (joining tools)



Gearmotors  
Electric motors  
Motion control

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**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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