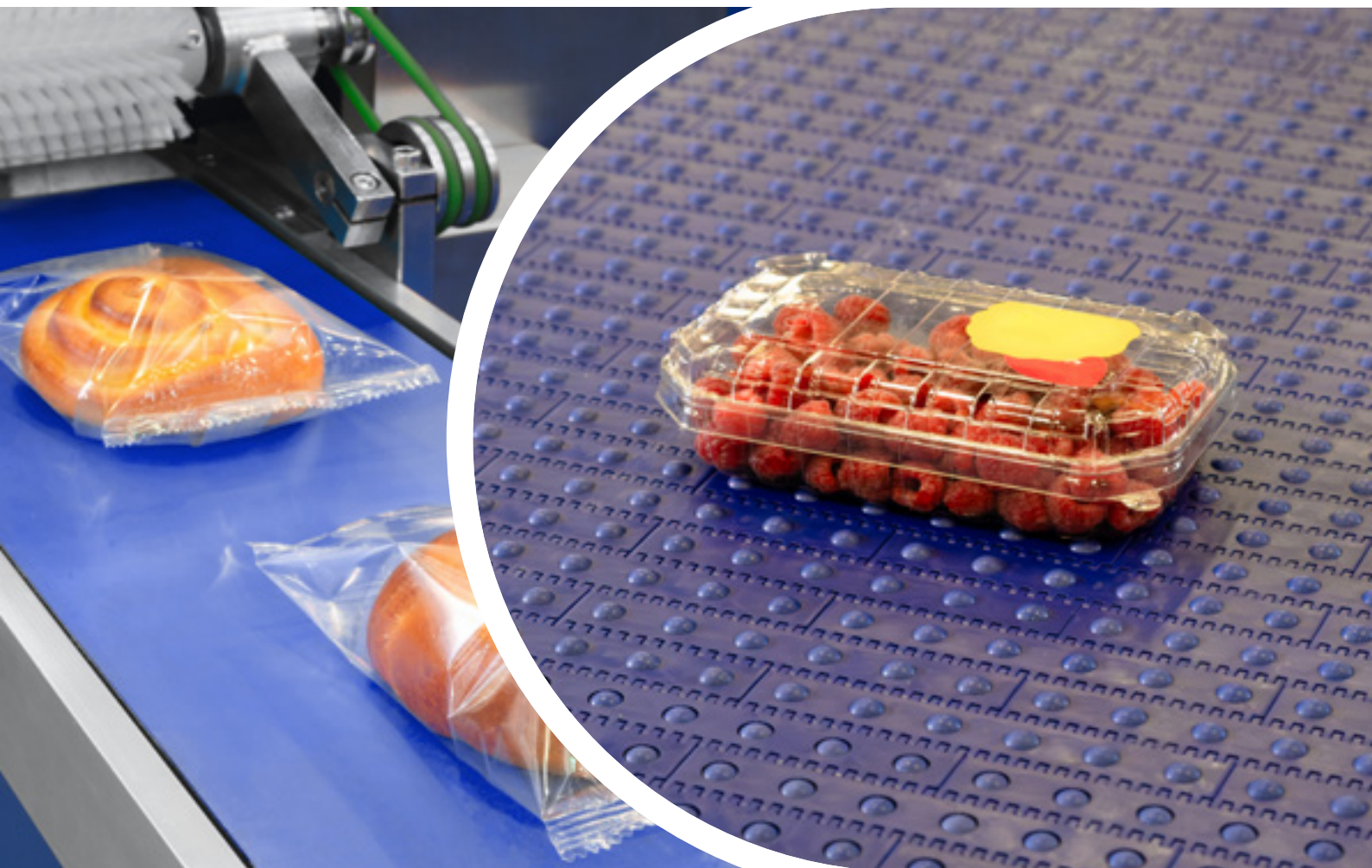


Packaging Industry

Innovative belting solutions
for every packaging stage

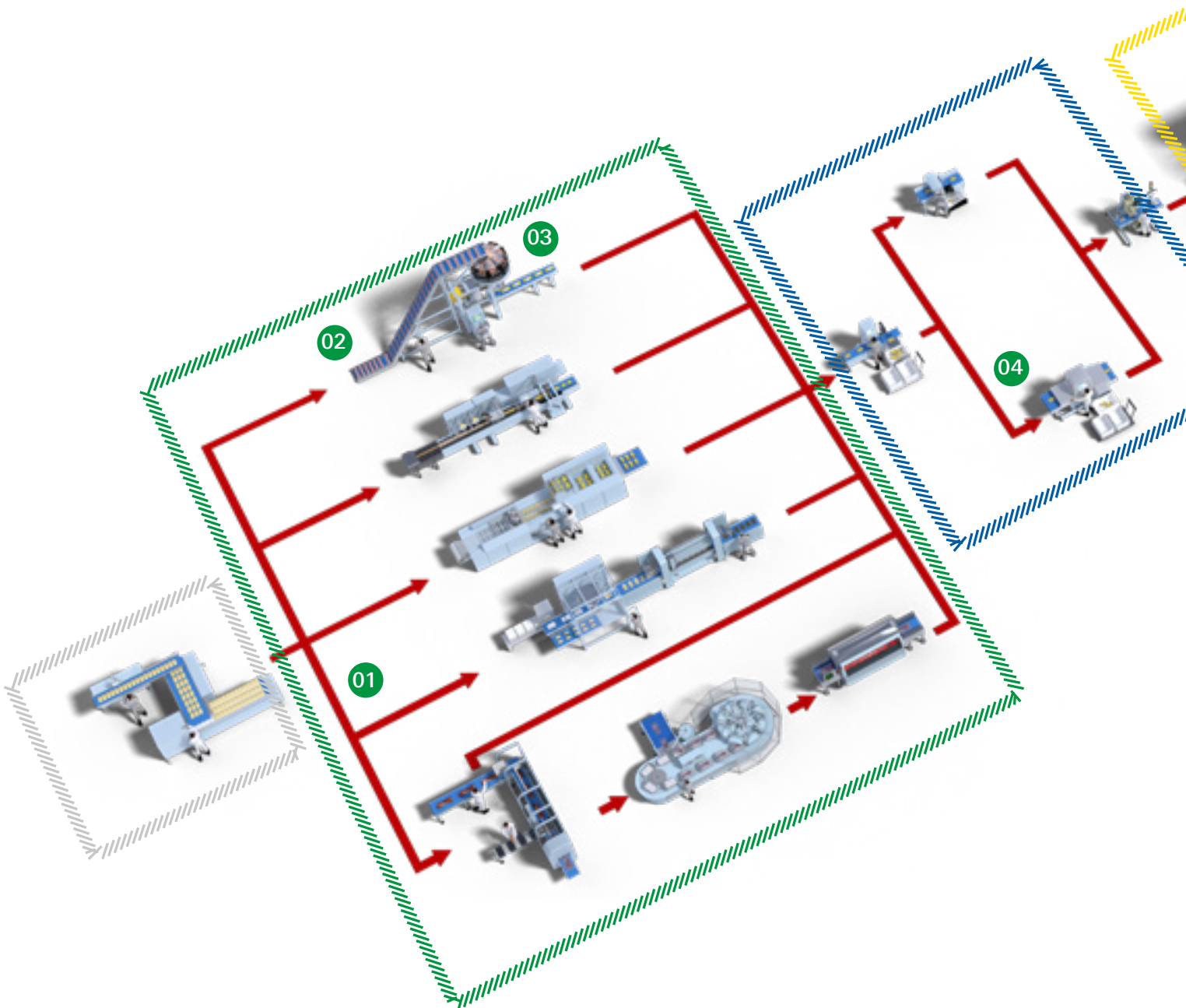


Packaging process

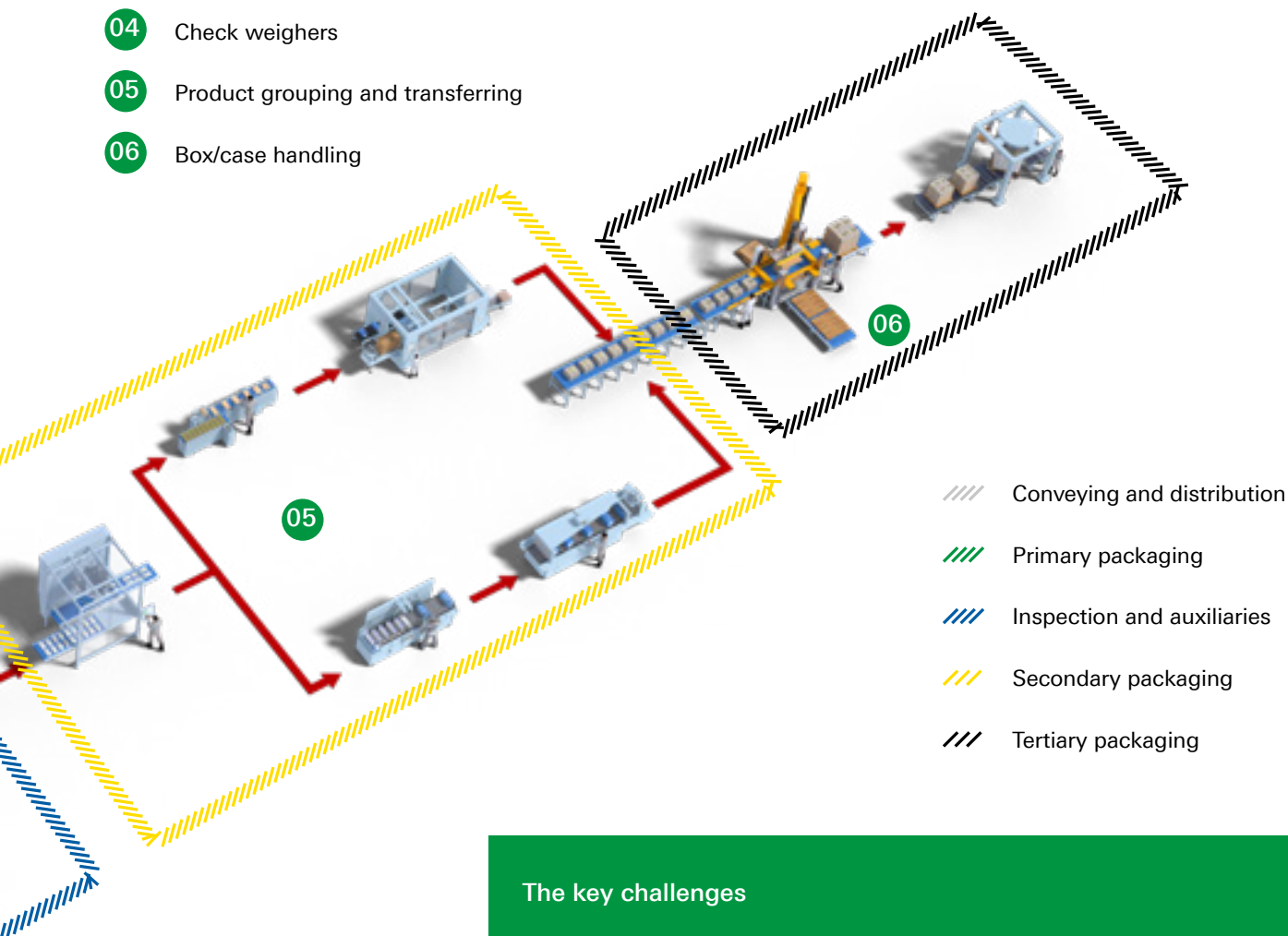
Understanding the journey

Packaging processes require precision and reliability at every step. From primary packaging to case handling, each stage of the process presents unique challenges demanding innovative solutions tailored to specific applications. At Habasit, we provide solutions that ensure process stability, food safety, and enhanced throughput, through:

- Comprehensive range of belts for primary, secondary, and tertiary packaging.
- Solutions designed for productivity, safety, and sustainability.
- Operations in over 70 countries, supported by expert local teams.
- Commitment to reducing costs and downtime with innovative technology.



- 01 Phasing conveyors
- 02 Vffs elevator conveyors
- 03 Vffs grabbers
- 04 Check weighers
- 05 Product grouping and transferring
- 06 Box/case handling



- //// Conveying and distribution
- //// Primary packaging
- //// Inspection and auxiliaries
- //// Secondary packaging
- //// Tertiary packaging

The key challenges



Boosting equipment performance:

The packaging industry strives to improve efficiency and reduce ownership costs. Frequent disruptions increase expenses and impact profitability, requiring innovative maintenance solutions.



Ensuring food safety:

Food packaging lines must follow strict safety standards to prevent contamination, maintain product integrity, and protect consumer health, avoiding recalls and regulatory issues.



Adopting eco-friendly materials:

Balancing sustainability with packaging quality, the industry needs innovative solutions to handle new-generation materials and reduce their consumption.

Primary packaging

01 Phasing conveyors

Pain points:

- Product positioning errors causing misplacements.
- Belt tracking causing instability and damages.
- Cleanability challenges increasing contamination risks.

Solution:

HabasiLINK® M0870 Micropitch HighGrip with Saniclip ensures tight transfers and precise product positioning while enabling easy dismantling for cleaning. The Saniclip reduces maintenance downtime and conveyor complexity, delivering higher productivity and a lower total cost of ownership (TCO).



Benefits for customers:

- Improved line efficiency
- Longer belt life

Find out more on our website:



HabasiLINK® Micropitch

Recommended solutions:

Key feature	Family	Product	Material	Nosebar	Thickness
Grip surface	Modular	M0870 HighGrip	POM	6 mm	6 mm
	Fabric	FAB-5E	TPU	3 mm	1.3 mm
Non-Grip surface	Modular	M0870	POM	6 mm	6 mm
	Fabric	FNB-5E	TPU	4 mm	1.3 mm
Frayless	Fabric	FAB-5EZ	TPU	2 mm	1.25 mm
	Fabric	FNB-5EZ	TPU	2 mm	1.25 mm
Easy-release	Fabric	CNB-6EB	TPO	2 mm	1.1 mm

*please note: the above are just some indications based on key features. For specific requirements please contact our experts.

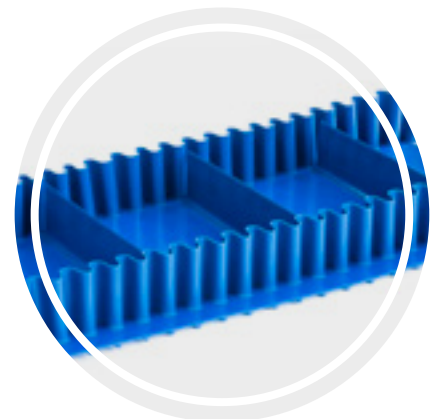
02 Vertical form, fill and seal elevator conveyors

Pain points:

- Issues with cleanability amplifying the risk of contamination
- Product loss due to gaps in accessories
- Abrasion caused by powdery products

Solution:

Habasi® Cleandrive monolithic belt with welded sidewalls and cleats prevents product loss and extends belt life. Resistant to abrasion, hydrolysis, and harsh cleaning, Habasi® Cleandrive ensures hygiene compliance, and operational reliability and extended belt life. Optional joining, Saniclip and HyCLEAN sprockets simplify maintenance and cleaning, maximizing productivity.



Benefits for customers:

- Reduced cleaning time
- Less product loss
- Extended belt durability

Recommended solutions:

Key feature	Family	Product	Material	Sprocket Ømin	Accessories height
Cleanability, abrasion resistance	Monolithic	CD.P50	TPU	80.8 mm	100 mm
Strength	Modular	M5060	Various available	102.1 mm	150 mm

Find out more on our website



Habasit® Cleandrives

03

Vertical form, fill and seal grabbers

Pain points:

- Cover wear and cracking/breakage under stress
- Demanding fabrication precision
- Loss of friction, leading to poor product handling

Solution:

Habasit Grabber belts feature durable coatings and seamless belts for reliable performance under demanding conditions. They provide superior grip and wear resistance to ensure smooth handling and consistent results.



The proprietary A08 coating improves abrasion resistance while maintaining optimal hardness.

Benefits for customers:

- No slippage with constant grip
- Uniform top cover surface and consumption
- Longer belt life

Recommended solutions:

Key feature	Family	Product	Compound material	Hardness	Pitch
Surface softness	Grabber	H04	Natural rubber*	35 Sh. A	From 2 to 10.5 mm
Abrasion resistance	Grabber	A08	Natural rubber*	45 Sh.A	From 2 to 10.5 mm

*other coating materials, such as TPU, EPDM, Neoprene, Nitrile are available

Find out more on our website:



Seamless and grabber belts

Inspection

04 Check weighers

Pain points:

- Belt stress caused by high-speed, start-stop operations.
- Small spaces and tight transfers requiring complex construction.

Solution:

Habasit's 1-ply fabric belts and elastic TPU Cleandrive solutions provide exceptional stability and grip, significantly reducing measurement errors. TPU construction ensures compatibility with frequent cleaning, while minimal vibration and misalignment deliver precise performance.

Benefits for customers:

- Accurate measurements
- Improved reliability and hygiene

Find out more on our website:



Food belts



Recommended solutions:

Key feature	Family	Product	Material	Nosebar	Thickness
Grip surface	Fabric	FSB-2E	TPU	3 mm	0.7 mm
Non-Grip surface	Fabric	FNI-2E	Impregnated fabric	2 mm	0.3 mm
No tensioning required, improved hygiene	Monolithic	CD.F12-N	Polyether TPU	8 mm	1.2 mm



Can a TPU belt perform better than a silicone one?

Product: silicone covered belt from other brands

Application: high speed check weigher in food industry, with need of high grip with products

Case: Despite its great release properties, the silicone surface is not easy to clean. Dirt and dust tend to accumulate on the belt and removal is not easy.

Proposed solution: FSB-2EIC

Results: The customer made pictures with high-speed cameras and realised that with the FSB-2EIC there were less product movement on the belt when compared with a silicone belt, improving weighing performances.

This solution is able to guarantee a high level of sanitization of the belt surface as it is much more-easier than on silicone reducing resources and down-time.

Secondary packaging

05 Product grouping and transferring

Pain points:

- Misalignment of products in parallel systems with possible jams.
- Stress and belt failure due to high-speed stop/start cycles.

Solution:

HabaSYNC® flex timing belts excel in maintaining precise synchronization and alignment, even at high speeds. Thanks to their seamless construction, these belts resist wear and elongation, ensuring prolonged service life and noise reduction. Multiple material options cater to diverse application needs.



Benefits for customers:

- Precise product alignment
- Better reliability with reduced downtime and TCO

Find out more on our website



Flex Timing Belts

Recommended solutions:

Key feature	Family	Product	Material	Admissible Force	Max belt width
Synchronization, strenght	Timing belt	FAT10-S	TPO, Polyether TPU, Polyester TPU	6100 N (vs 2120 N of joined)	150 mm

06 Box/case handling

Pain points:

- Inefficient conveyor layouts consuming excessive floor space.
- High total cost of ownership from initial investment, maintenance and footprint allocation.

Solution:

HabasiLINK® M2483 Sphere Top modular belts can accomplish many operations on a single, compact conveyor layout. Designed with wear-resistant materials, they reduce friction while providing multi-directional movement possibilities and consistent performance. The belt's advanced design minimizes dirt accumulation, further enhancing reliability.



Benefits for customers:

- Saved floor space
- Enhanced flexibility and efficiency

Find out more on our website



HabasiLINK® M2483 Sphere Top

Recommended solutions:

Key feature	Family	Product	Sphere pitch	Sphere Ø	Max load per Sphere
Flexibility & efficiency	Modular belt	M2483	1"	0.5"	0.5 kg



**Premium conveyor components
for better efficiency and reliability.**

Explore our diverse range of premium conveyor components, including sprockets, belt scrapers, Habiplast guides, and more, to further enhance performance and reliability.



Learn more
about our products
on the **Product Portal**

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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