

Where Hygiene Meets Innovation:

VOLTA BELTS **SUCCESS STORIES**

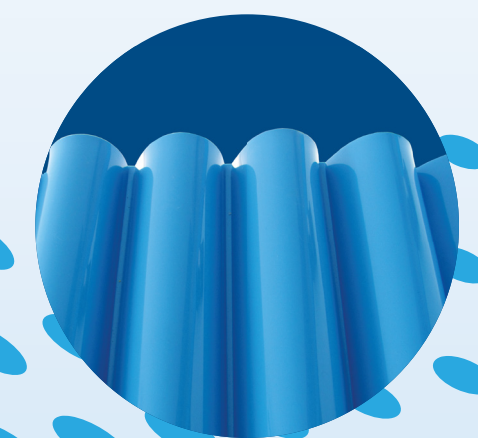
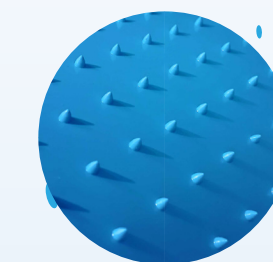
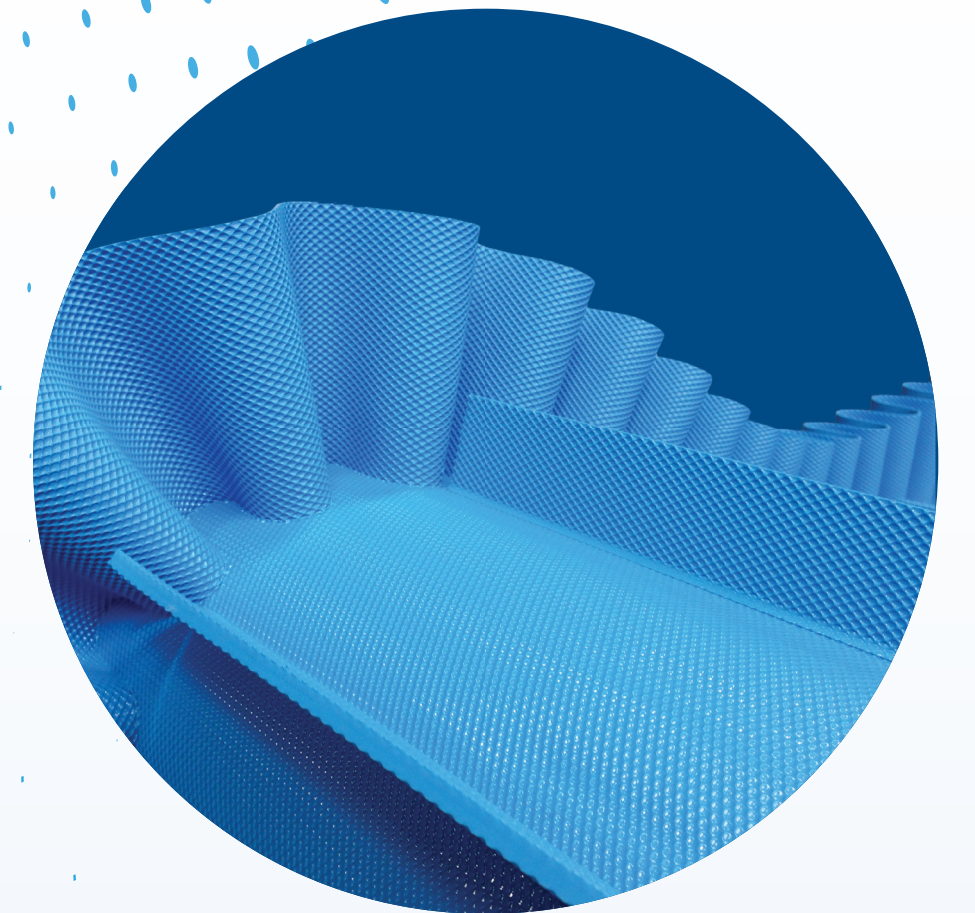
Cleaner. Smarter. Better.





This Customer Success Collection highlights three remarkable case studies from 2025, each illustrating real challenges overcome and our joint drive toward exceptional results.

Through close collaboration and cutting-edge solutions, we've helped businesses unlock new efficiencies, strengthen performance, and achieve exceptional results. These stories capture not just success — but the power of partnership in action.



Smart Conveying Solutions: Gentle Produce Conveying

In fruit processing, vertical conveying often leads to bruising and product loss, especially with delicate produce like apples. Traditional belting systems struggle to provide both gentle handling and reliable performance in complex layouts.

This case study explores how Volta engineered a customized FMB-SD Positive Drive Belt with forked cleats to gently elevate apples in a reverse L-shaped conveyor design.

By preventing collisions and minimizing rolling, this innovation reduced damage, improved line efficiency, and safeguarded product quality.

Industry:

Fruit processing

Application:

- ✓ Apple conveying – vertical elevator with a reverse
- ✓ L-shaped conveyor design.

Challenge:

- ✓ Vertical conveying, while minimizing damage.
- ✓ Apples needed to be separated during elevation to avoid collisions and bruising.

Solution:

- ✓ Volta FMB -SD Positive Drive Belt with forked cleats.
- ✓ A forked cleat design was developed, preventing the apples from rolling or tipping over during transport.

Result:

- ✓ The customized cleat design, combined with the Volta Positive Drive Belt, successfully enabled the gentle elevation of delicate products.
- ✓ The solution minimized product damage, improved line efficiency, and ensured reliable operation through a challenging conveyor layout.

Conclusion:

By closely analyzing the customer's processing layout and the sensitivity of their product, we developed a customized belting solution tailored to their specific structure and application.

Our ability to engineer unique cleat designs and adapt belt features to operational demands ensures gentle handling of fragile goods like apples — reducing damage, minimizing waste, and preserving product quality.

This tailored approach not only optimized line performance and hygiene but also delivered long-term cost savings through increased efficiency and reduced product loss.

Gentle Apple Conveying
with Volta Positive Drive
Belt Design



Improved Product Quality with FDR-DD-V1 Belts

Industry:

Snacks

Application:

Conveyor with 2" pitch flat top plastic modular belt handling popcorn products.

Challenge:

The customer experienced build up of product on the underside of the belt, requiring the belt to be removed frequently to be washed. Potential for product to get trapped under the fixed side guards and then transferred into the packaged goods. Occasional product spill as the flights on the modular belt struggled to contain the product.

Solution:

✓ Volta FDR-DD-V1

with baseless sidewalls and special bent flights. The retrofit involved replacing the drive and tail sprockets with Volta sprockets.

Result:

✓ Reduced Cleaning Costs:

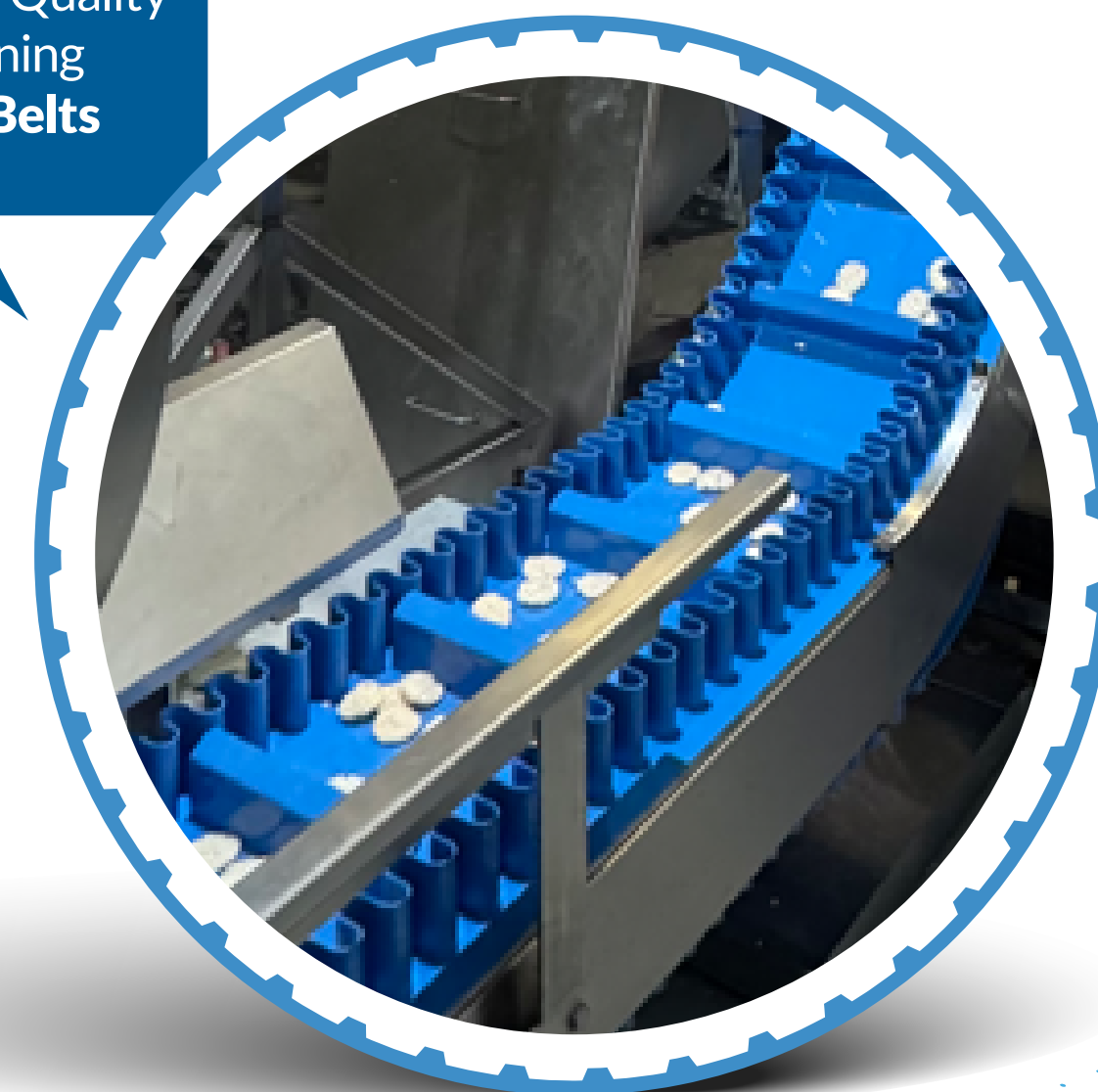
Product build up on belt underside is greatly reduced allowing the belt to be cleaned in place between product changeovers saving approximately 14 hours labor each week.

✓ Improved Product Quality:

Better product containment within the baseless sidewalls and special bent flights. Baseless sidewalls mean there is no longer potential for product to get trapped under the fixed conveyor side guards and improving overall product quality.



Improved Product Quality
and Reduced Cleaning
Costs with **Volta Belts**



Enhancing Durability in Pet Food Processing with Volta DR-V1 Conveyor Belts

Industry:

Pet Food Production

Application:

Pet Food Production

Challenge:

For Polyurethane (PU) conveyor belts, the daily exposure to warmth and caustic chemicals resulted in premature cracking, impacting the belt's lifespan and overall efficiency.

Solution:

✓ Volta FDR -SD-V1 Positive Drive Belt.

Exceptional resistance to chemical catalysts.

Result:

The implementation of Volta DR-V1 yielded remarkable results for our client:

✓ Extended Belt Lifespan:

Volta DR's hydrolysis-resistant properties and TPU composition significantly extended the belt's lifespan, outperforming the previous PU belt.

✓ Cost Savings:

The enhanced durability of Volta DR-V1 translated into reduced maintenance and replacement costs, contributing to overall operational efficiency and cost-effectiveness.

Conclusion:

Volta DR-V1, a chemical-resistant and **food-grade conveyor belt**, proved to be a superior solution for our client in the pet food processing industry.

By addressing the specific challenges posed by daily exposure to warmth and caustic chemicals, **this hygienic conveyor belt** not only enhanced durability but also delivered tangible cost savings. The case of Volta DR-V1 showcases its effectiveness in providing reliable solutions for demanding applications in the pet food processing sector.

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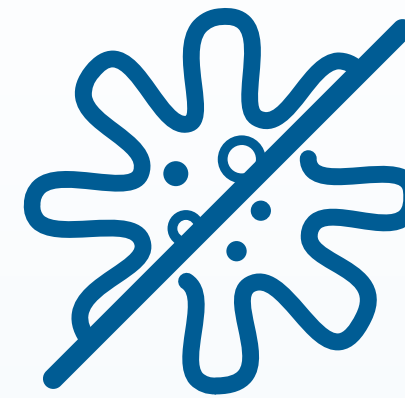


Why Volta Belts Set the Standard for Hygienic Conveyor Performance

Material Quality & Hygienic Performance



Made from dense TPE that resists water, oils, fats, cold, and freezing temperatures - without cracking, delaminating, or deteriorating over time.



Smooth, non-porous surface naturally repels bacteria and prevents microbial growth.



Extra-strong and thick construction handles heavy loads, accumulation, and high-impact materials with ease.



Designed for Volta's in-house hygienic fabrications to ensure maximum cleanliness and durability.



Easy to clean — requires only wash-down (no soaking), reducing water use and cleaning time.



Fully compliant with EU, FDA, and USDA food safety regulations and aligned with EHEDG Guideline 43.

Let's Create the Next Success Story — Together

At Volta Belting, every success begins with collaboration.

Whether you're improving product quality, extending belt life, or ensuring the highest hygiene standards, our team is here to help you find the right belting solution for your process.

Start your journey toward cleaner, stronger, and more efficient conveying today.



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