



Sustainability at Tosca

Our vision is to help realize a future where all one-way packaging is converted to reusable. It is a vision we have been working toward for over 60 years and is a cornerstone of our sustainability strategy.

All together better

Underpinning everything we do is a commitment to sustainable product and service design and to operating in environmentally, socially, and ethically responsible ways: eliminating wasted food, materials, miles, space and unnecessary labor.

Our 2023 goals





Pallets and bulk containers - Food ingredients



Creating real sustainability impact in the food ingredients sector

Driven by their purpose to “blend care and creativity to nourish the world,” Griffith Foods Europe specializes in high-quality nutritious and sustainable food ingredients.

The company aims for all packaging to be **100% recyclable or com-postable by 2025**. They are also targeting carbon neutrality and **100% of waste recycled by 2030**. We have worked with Griffith Foods since 2011, playing a part in helping them achieve their ambitious goals.

By using Tosca's reusable H1 and CR3 pallets, and Smartbox and Magnum Optimum bulk containers, Griffith Foods Europe continues to evolve functional

packaging, aligned with their three Rs approach:

- Reuse
- Recycle
- Replace

Having seen, first-hand, the benefits of moving to reusable packaging solutions, Griffith Foods is now working globally with their own suppliers to migrate packaging away from single-use cardboard to more sustainable solutions.



Pallets - Manufacturing



Pooling solutions for a leading materials science company

“The pooling program has been a massive success in Ireland and is helping us to reduce our carbon footprint and eliminate waste within the supply chain. Avery Dennison’s and Tosca’s plastic pallet pooling vision doesn’t stop after the pallets arrive to the customer.

We encourage customers to take the chance to extend the pooling program further down the supply chain to end users and help grow the ecosystem further.”

Violeta Gómez — Central Packaging Leader at Avery Dennison



RPCs - Seafood



Switching from EPS foam

In a bid for sustainability, major grocery retailer Wegmans turned to Tosca to convert several of their supply chains to RPCs. Most recently, Wegmans became the first retailer to adopt Tosca RPCs for seafood, a move that supports their goal to **remove 100% of EPS foam from their supply chain**. The RPCs keep products cold and secure during transportation just as well as EPS foam coolers. They are collapsible and stackable, taking up less room when empty, and cost the same as or less than foam alternatives.

Currently, five of Wegmans’ suppliers have made the switch, a change that **will eliminate 1 million pounds of Styrofoam by the end of 2022**.



Pallets and bulk containers - Food ingredients



Partnering on more sustainable solutions

We're proud to support our clients in achieving their sustainability goals. Puratos supplies products and services to the bakery, patisserie and chocolate sectors globally. They are committed to a better planet, with an ambitious goal to **use only recyclable, reusable packaging by 2025**. This compliments their ongoing objectives to **reduce food waste by 50% and send zero waste to landfill**.

Tosca works closely with Puratos to design, test, and implement sustainable solutions that support their goals. To date, our partnership has included:

- Collaborating on strength-testing Tosca's CR1 pallet, improving safety and reducing product damage.
- Utilizing our pool of Superior Hybrid and Magnum Optimum containers, which support aseptic filling, reducing Puratos' emissions and resource consumption.
- Innovating ways to maximize product extracted from a container's liner, reducing food waste.

RPCs - Produce



Cutting environmental impacts with CRAI

CRAI is an Italian supermarket with over 1,800 stores. With a clear focus on sustainability, CRAI has already planted 6,000 trees near their stores, installed eco-compactors for customers to recycle plastic bottles, and launched products in plastic-free packaging. Keen to take their efforts further, CRAI started working with Tosca in 2021.

Together, we conducted an appraisal of CRAI's supplier-to-store chain, resulting in the supermarket switching from single-use corrugated packaging to Tosca's reusable, wood-look plastic crates and in-store displays. **Our analysis showed that – based on 2 million RPC rotations – significant footprint reductions were achieved, including over 1.2 million metric tons of single-use corrugated boxes.**

CRAI is now looking to work with their suppliers on further reducing emissions, minimizing single-use packaging and making a positive environmental impact.

GHG emissions reduced by

58%

Equivalent to:
3,892,170 miles driven
yearly (passenger vehicle)

Water use reduced by

40%

Equivalent to:
70 Olympic-sized
swimming pools

Fossil fuels reduced by

30%

Equivalent to:
902 barrels of oil



RPCs - Poultry

A more sustainable poultry supply chain

Fieldale Farms – a specialty poultry producer – has been transporting chicken between owned facilities in RPCs for several years, a change originally inspired by the potential cost and waste savings.

Ever on the cutting edge of sustainability, Fieldale sought to duplicate the benefits of reusables externally, looking to use them when transporting product to retail customers. It needed a solution that was sustainable, protective, and cost-neutral.

Because RPCs are stronger and can carry more poultry without failing, Fieldale was able to **reduce the number of boxes per truck by 500**, translating to 24% fewer boxes handled in distribution centers. LCA estimated an **emissions reduction of at least 80% in the supply chain** between Fieldale and one of its retail partners over 10 years due to the switch. The same LCA estimated **water savings of over 143 million gallons**.



"I think we can always say we want to be green and we want to reduce our carbon footprint, but in the end, it needs to work. In this case, it works for all of us: the warehouse, the individual stores, and us."

Brad Moore — Retail Sales Manager at Fieldale



RPCs - Grocery delivery

Innovating for customer satisfaction

Driven by the aim of reducing the overall weight of the plastic crates used to pack and deliver groceries to their customers' homes, we were approached by a leading European grocery retailer with a strong online grocery delivery business.

Our in-house R&D team collaborated closely with the retailer to design an improved crate which used less plastic without compromising its strength and structural integrity. The crates were then manufactured at our facility in Israel.

The new, redesigned crates are 25% lighter and as a result have reduced the total weight of the picking trollies by 5kg, making them easier for the customer's store colleagues to maneuver either on the picking trollies or when stacking. Given the retailer's delivery vans hold a maximum weight rather than volume, the lighter crates also mean more crates can be loaded onto the delivery vans and more deliveries can be made per journey, thus reducing carbon emissions.

Not only that but the improved ergonomics thanks to four rather than two hand holes enables the delivery driver to handle the crates more easily in confined spaces such as narrow alleyways and staircases.

Moving from a perforated to solid base has also reduced the problems from leakages during transit, as they are now contained rather than dripping down to the crates below.

This is a true example of innovation through partnership and the benefits don't stop with the retailer who initially approached us, as the redesigned crate is also now being used by other retailers in Europe.



RPCs – Produce



Forging Sustainability: Innovative Produce Transport Solutions

Eisberg, a leading European producer of fresh convenience salads, fruits, and vegetables approached Tosca as they quickly needed a robust and sustainable packaging solution to transport their fresh produce from different locations in Europe to their nine European production plants.

Tosca responded immediately, and Eisberg now uses a Tosca crate, which are even more robust and environmentally friendly.

The partnership between Eisberg and Tosca has been successful in providing a sustainable packaging solution which reduces food waste and helps Eisberg achieve their sustainability goals.

"Making the switch to Tosca's reusable crates was easy and stress-free. We appreciate Tosca's continuous product innovation and development, such as quicker folding rates and even more durable plastic, and look forward to further growing our partnership into other areas of our business."



RPCs, dollies and meat crates - Grocery retail

Reducing single-use packaging: Bravo's transition to Tosca in the Dominican Republic

Bravo has embraced a series of innovative packaging alternatives, moving away from traditional single-use models to more sustainable options. They've incorporated a variety of reusable solutions including active-lock folding crates, wheeled dollies, and specialized meat crates, which have proven to be more efficient for product storage and transportation needs.

In a forward-thinking pilot program, Bravo is currently testing an advanced design of Tosca's active-lock crate that features two clear walls. This initiative aims to enhance the visibility of the contents, improve the ease of handling, and gauge overall customer response to the new crate design.

The transition to these durable, reusable packaging options has led to a marked reduction in Bravo's environmental footprint. This strategic move has not only improved the efficiency of their operations but has also significantly minimized the waste generated from disposable packaging materials.

Bravo's adoption of these eco-friendly packaging solutions demonstrates their dedication to environmental stewardship. It represents a tangible step towards meeting their sustainability goals, reflecting a broader commitment to responsible business practices within their industry.