PAPERSEAL®

THE GREEN SMART GENERATION

Inspired packaging.

A world of difference.

Graphic Packaging INTERNATIONAL

# Introducing PaperSeal Slice® and PaperSeal® Wedge Trays

## THE GREEN SMART GENERATION

Our innovative PaperSeal Slice® and PaperSeal® Wedge trays offer brands and retailers the opportunity to replace thermoformed plastic trays with a patented, barrier-lined paperboard alternative. The development of the PaperSeal® food tray solution aligns with our Vision 2025, leveraging our industry-leading sustainability profile to expand and improve packaging solutions for our customers, while reducing the impact on the environment.

We understand that the transition to fiber-based packaging is now a priority for many of our customers, and it's clear that sustainable paperboard packaging solutions must meet the functionality and performance of existing tray designs.

Developed in partnership with G. Mondini, world-leaders in tray sealing technology, PaperSeal® trays offer an effective and sustainable alternative to traditional plastic trays.

## PaperSeal® Tray Features & Benefits

### SAFETY

- State-of-the-art seal integrity equal to traditional plastic trays.
- The hermetically-sealed tray ensures product stays fresh, with shelf life equivalent to a plastic tray.

### FLEXIBILITY

- Availability of different liners and paperboards offers technical solutions to suit any product.
- Recommended for a wide range of sliced meats and cheeses.

### SUSTAINABILITY

- Because the body of the tray is made from paperboard, PaperSeal Slice® and PaperSeal® Wedge trays typically use up to 80%[1] less plastic than traditional thermoformed trays, depending on application.
- The film liner can be easily separated from the paperboard after use so that the paperboard portion of the tray can be recycled, contributing to a circular economy.
- The paperboard is produced from renewable fiber, sourced from sustainably-managed forests.

### FULL BRANDING

- The pack offers flexibility on branding formats with high quality, offset graphics on both the internal and external surface, delivering on-shelf differentiation.

### EFFICIENCY

- The tray can be supplied flat, resulting in lower transport and storage costs compared to pre-made trays.
- Liner forming with Zero® waste technology reduces cost of final product.
- Reduced inventory with availability of smaller purchase quantities.

[1] Plastic reduction figures are for the tray and exclude the lidding film, which is not supplied by Graphic Packaging but is expected to be similar to film used for current trays. Each PaperSeal® tray is specified on a case-by-case basis to minimize plastic content, at levels even below 10% where possible.

## The PaperSeal® Tray Manufacturing Process

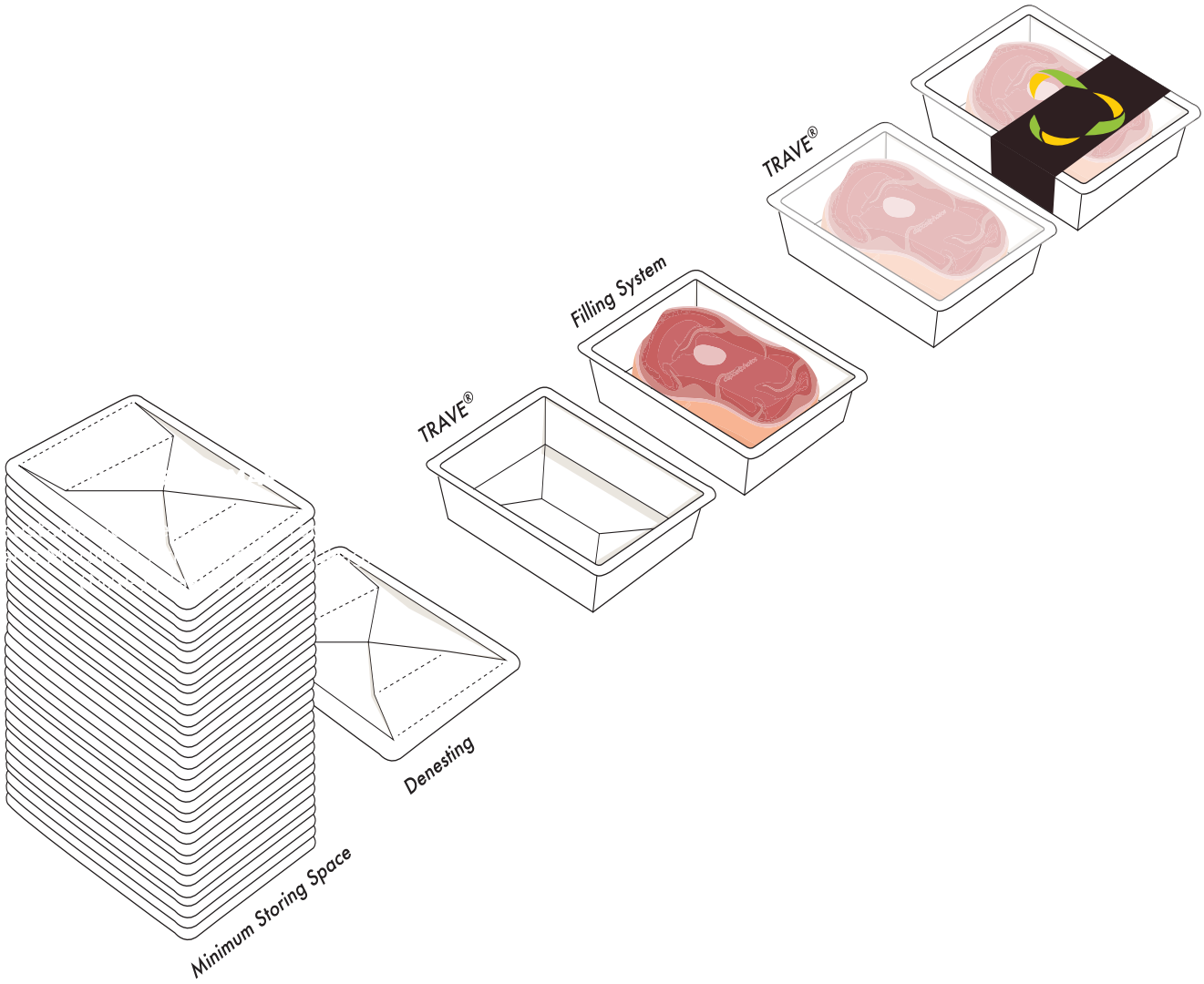
The process involves fabricating a tray from a pre-cut, flat paperboard blank which is then formed and a barrier liner applied.

The system is based on the same benefit stream as Thermosealer™ technology, where the fabricating of the trays is performed directly before the sealing process.

PaperSeal® trays can be supplied to customers as flat blanks or pre-formed trays. Graphic Packaging has manufacturing facilities and partners around the globe who are able to supply the pre-formed trays.

## Improved Sustainability Credentials via Zero® Technology

Zero® technology can be offered to eliminate plastic film waste during the manufacturing process.



# PaperSeal® Tray Innovation for Sliced Meats and Cheeses

## PaperSeal Slice®

The PaperSeal Slice® tray offers a sustainable alternative to traditional thermoformed trays for sliced meats and cheeses, delivering a plastic reduction of up to 75%, depending on application.


The tray has a unique construction which delivers increased rigidity and is formed from a single piece of paperboard, requiring no folding or gluing.


## PaperSeal® Wedge

The PaperSeal® Wedge tray incorporates up to 80% less plastic than traditional thermoformed trays, depending on application.

The innovative pack design accommodates a range of cheeses and sliced meats and high quality graphics ensure stand-out shelf appeal.


**PaperSeal Slice®** and **PaperSeal® Wedge** trays can be supplied as formed or flat trays.

The packs offer differentiation on-shelf thanks to the ability to print high quality offset graphics both on the inside and outside of the tray. This also removes the need for a label.

The use of lighter-weight paperboard and an innovative construction deliver a reduced pack weight.

## Other products in the PaperSeal® Tray Range


PaperSeal® MAP

A sustainable alternative to traditional plastic Modified Atmosphere Packaging (MAP) plastic trays.

PaperSeal® Skin

A sustainable alternative to traditional plastic Vacuum Sealed Packaging (VSP) plastic trays.

For more details on PaperSeal® MAP or Skin, visit www.graphicpkg.com

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PaperSeal®: A sustainable, effective and flexible solution to support your sustainability goals.

Offers a sustainable alternative to traditional plastic trays, typically with 80-90% less plastic[1] across the PaperSeal® range .

Delivers a 34% reduction in greenhouse gases and a 40% reduction in energy consumption versus an equivalent rigid plastic tray[2].

Easy separation of paperboard and liner promotes easy recycling.

Delivers an enhanced consumer experience, with excellent sealing integrity and a shelf life equivalent to traditional plastic trays.

High quality graphics on the internal and external surface deliver on-shelf differentiation.

Operational efficiency is optimized thanks to efficient design, which provides an easy to handle solution that can meet the demands of high-speed food manufacturing lines.

## Paperboard Sustainability: Did you know?

Our paperboard is sourced from wood fiber, a naturally-renewable resource from forests which are sustainably managed, with Chain of Custody traceability.

Between 2005 - 2020, European forests grew by 58,000 square kilometres; that's an area larger than Switzerland[3].

One-third of the U.S. is forested and there are 20% more trees than there were nearly 50 years ago. More than one billion trees are planted in the United States each year[4].

The paper and paperboard recycling rates in Europe (84.2%) and the US (66.2%) are higher than any other packaging material[5].

[1] Plastic reduction figures are for the tray and exclude the lidding film, which is not supplied by GPI but is expected to be similar to film used for current trays. Each PaperSeal tray is specified on a case-by-case basis to minimise plastic content, at levels even below 10% where possible.
[2] Savvypack, 2019.
[3] Forest and Agricultural Organisation of the United Nation.
[4] American Forest & Paper Association.
[5] Eurostat/American Forest & Paper Association.



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search PaperSeal at www.graphicpkg.com

G. MONDINI