New heights in package quality

The GEA PowerPak PLUS is the new standard in thermoforming, delivering the highest pack quality
Experience the power of performance

GEA PowerPak PLUS is the newest thermoforming packaging system from GEA featuring full visibility at the sealing station during production, automatic top and bottom film alignment for perfect sealing and set-up times that take just minutes. PowerPak PLUS is designed for efficiency, excellent package quality, reduced film consumption, fast and simple handling, more uptime and low total cost of ownership.

Key benefits include:
• Increased uptime
• Enhanced package quality
• Reduced film consumption
• Easy operations
• Fast set up and changeovers

“Nobody had done this before, so we were breaking new ground in terms of machine development. It really is a unique system.”
Jochen Rehn, Software Engineer

“We have seen customers returning to us to buy the GEA PowerPak PLUS, that we haven’t seen in ten years or more. This is our biggest success!”
Thomas Mitterfellner, Product Sales Manager
Benefit-driven technology

The PowerPak PLUS was developed and improved with the customer in mind. Discover the benefits and hear from our experienced and passionate team here at GEA.

1. Bottom film infeed

The bottom film infeed is equipped with a motorized bottom film unwinding system and a film tensioning system. These features help the user to increase the package quality while keeping total control of the packaging process.

The double-sided bottom film reel support increases the package quality. An axial bottom film positioning system has been installed in all PowerPak PLUS thermoformers leading to better package quality and reduced film consumption.

2. The sealing station and unwind system

The sealing station is equipped with a motorized top film unwinding system and a film tensioning system. These improve package quality, reduce the forces on the film and provide total control of the unwinding process.

The top film reel is supported on both sides helping to ensure high package quality. No more packs with wrinkles! The innovative and extremely fast unwinding system is totally automatic, which allows the optimal use of film and provides better package quality.

3. TiroLabel PLUS and other printing and labelling solutions

Powerful thermoformers, such as the GEA PowerPak PLUS, generate high-quality food packaging at high speed. The sealing station supports both the pace and the variety of packages processed. To achieve this technical state of the art, the sealing station is equipped with an extremely fast, compact unwind system, supporting the top film reel. The innovative labelling integrated in the motorizing step guarantees that every label is aligned perfectly with any package contour while working to millimeter precision.

Other printing and labelling options are available for the PowerPak PLUS.

4. GEA OxyCheck and GEA LeakCheck

OxyCheck and LeakCheck, from GEA, are the world’s first integrated and non-invasive oxygen content and leakage detection systems for food packaging. Together they ensure that all MAP packages leaving the packaging machine are tested.

The flexibled sheets of the sealing station give users fast access to the sealing station thus increasing the flexibility of the whole process.

5. Automation equipment

There are many options that may be added to a GEA packaging line: lane convergers, checkweigher and metal detectors, robot loaders, slicers for slicing and packaging, lane loading equipment, an advanced human-machine interface, and much more!

A first OxyCheck sensor measures the oxygen content. All packs are transferred into a stress unit where pressure and vacuum are applied.

A second oxygen measurement takes place. If both measurements are different, it means there is a leak in the pack, which is automatically rejected from the line.

All our Thermomaster Packaging Machines are individually engineered for each customer and each application. Contact us for a personalized configuration!
Package quality and innovation

Packaging is at the heart of the thermoforming process, and the quality of that packaging is fundamental to ensuring finished products appeal to consumers as they should. The latest advancements in the PowerPak PLUS deliver on every level.

Is sustainability important for you? We have developed a solution where you can save up to 80% of the rigid film compared with a classical package.

Ham, sausages, sliced cheese, fish and seafood, whole chickens, naan bread or a delicious steak for the grill season: all the food products you can imagine can be packed on the flexible PowerPak PLUS. Are you looking for a modified atmosphere pack, skin solution, a vacuum, a re-closable or a shrink pack? Discover here all packing possibilities that come with the GEA PowerPak PLUS.

FoodTray
FoodTray is a packing solution manufactured out of recyclable paperboard and plastic film. It can be produced with PowerPak PLUS. Both materials are very easy to separate and can be fully recyclable.

Hygienic
Sterile surgery equipment such as syringes, scissors or other medical and pharmaceutical goods are just some of the diverse products we can pack with our PowerPak PLUS.

Fully integrated packaging lines
For sliced or non-sliced products: we have an extensive portfolio including slicers, loading systems, robot loaders, automation systems, marking and coding, quality control systems, lane convergers, and much more. Discover more on gea.com or contact us for a specific solution quote.
Our customers are seeing the PLUS

Naturally, you need reassurance that your equipment is a profitable investment. By choosing GEA you can be confident that you have made a wise decision. But, don’t take our word for it. Here’s what our customers think of their investment.

Butt Foods, UK
Family-run Butt Foods selected GEA’s new PowerPak PLUS thermoformer for wrapping naan breads at its Nottingham facility. GEA’s PowerPak PLUS promises to significantly reduce the impact of film waste by up to 75% in the packaging process. The machine’s design can also help food manufacturers shorten set-up and changeover times.

FZ Neumuenster, Germany
FZ Neumuenster was looking for a sustainable solution to substitute the classical PP trays produced on a tray sealer to pack marinated steaks for the barbeque season. Thanks to the FoodTray system and the flexibility of the PowerPak PLUS, they can now produce FoodTrays in the grill season but other typical MAP packs during the rest of the year with just one packaging machine.

Handl Tyrol, Austria
When Tyrolean specialty food producer Handl Tyrol GmbH upgraded its packing operations in Schönwies, they chose the totally new GEA PowerPak PLUS thermoformer for the job. Plant engineers didn’t experience any of the initial problems you would have expected during test operations. Efficiency and productivity were improved at a stroke with faster set up, simpler film changes, better packing quality and happy staff.

Danish Crown, Denmark
As part of its continual drive towards better quality, efficiency and sustainability, Danish Crown wanted to upgrade its thermoformers used for packing a wide range of pork products for retail sales. Critical aims were to improve the ease and speed of the machine set up and film change, reduce film usage, improve up time, reduce film and product wastage, optimize packing quality and be as easy as possible to use.

Danesh Butt, MD Butt Food
The new PowerPak PLUS gives us total flexibility: we can produce MAP, vacuum and skin packages with just one machine! An absolute highlight is to pack the marinated grill steaks in the new GEA FoodTray, a combination of cardboard and film, which helps us to save up to 80% of plastic material.”

Dirk Stemke, Production Director

I am pleased to say, the GEA PowerPak PLUS has exceeded even our expectations.
Brian Abrahamsen, Danish Crown

The new film unwinding system saves us time and material. Top and bottom films are threaded quickly and easily. No further adjustments need to be made. Film no longer goes to waste.

Dieter Roos, Production Manager

Test before you invest
Customers can test GEA PowerPak PLUS at the GEA Technology Center in Wallau, Germany before investing. Please contact your local GEA sales agent for details.

Lease rather than buy
GEA has lease options available in many countries worldwide. Please contact your local GEA sales agent for details.

Global service network
The GEA PowerPak PLUS is supported worldwide by GEA’s global stocks of spare parts and network of service engineers.

Online Pre-Delivery Inspection
Customers can now benefit from a live streaming pre-delivery inspection: improved interaction, and reduced travel expenses.
We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

“Engineering for a better world” is the driving and energizing principle connecting GEA’s workforce. As one of the largest systems suppliers, GEA makes an important contribution to a sustainable future with its solutions and services, particularly in the food, beverage and pharmaceutical sectors. Across the globe, GEA’s plants, processes and components contribute significantly to the reduction of CO₂ emissions, plastic use as well as food waste in production.

GEA is listed on the German MDAX and the STOXX® Europe 600 Index and also included in the DAX 50 ESG and MSCI Global Sustainability indexes.