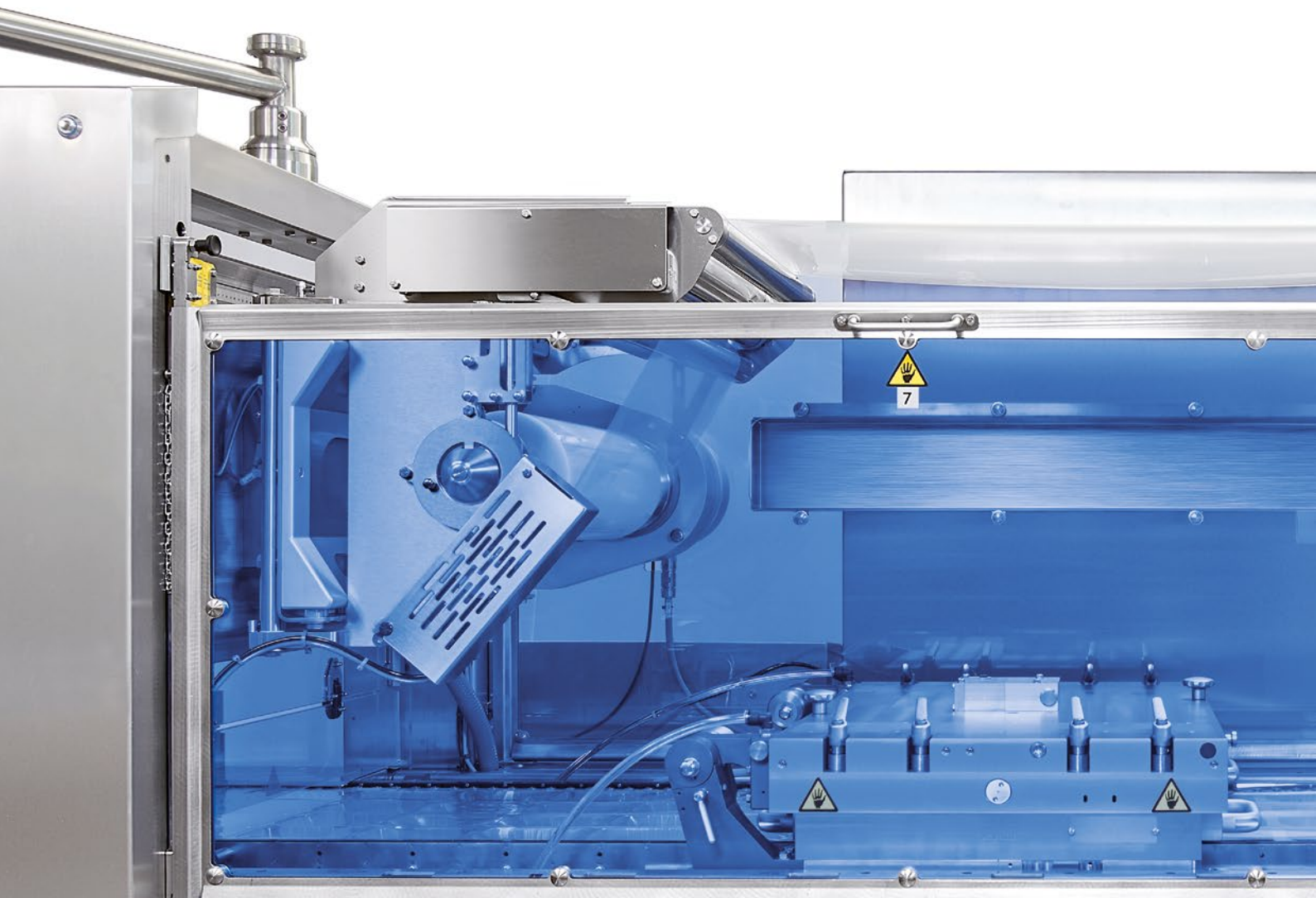




GEA PowerPak PLUS

The optimized machine concept
for more efficiency and increased
package quality



GEA PowerPak PLUS

A PLUS you can take literally

Wherever there's a demand for the highest packaging quality customers across the globe go for thermoformers from the GEA PowerPak series. The new GEA PowerPak PLUS successfully carries on this tradition – and opens up new possibilities thanks to a wealth of innovative solutions!

The aim: to optimize packaging quality and efficiency

The development of the GEA PowerPak PLUS grew out of simple, open-ended questions: How can we improve our tried-and-tested packaging solution even further? And: What do our customers really need to enjoy greater success? Based on these considerations the existing machine design was fundamentally revised in a number of central respects. And the result is something to be proud of!

In the spotlight: your advantage

The new PowerPak PLUS has a whole series of technical innovations and we would like to present these in the following. But it is crucial that these new features all work towards a common objective: making your work easier and more efficient! Specifically this means:

- Improved packaging quality
- Reduced film consumption
- Simple handling
- Safe process sequences
- Greater availability

Unparalleled packaging quality

The central element of the development work for the new PowerPak PLUS is of course the packaging. The quality of the packaging contributes greatly to your product as a whole. Its optimization is based on thoroughly thought-out innovations which improve the unwinding and feeding of the films, the hygiene and the overall handling!

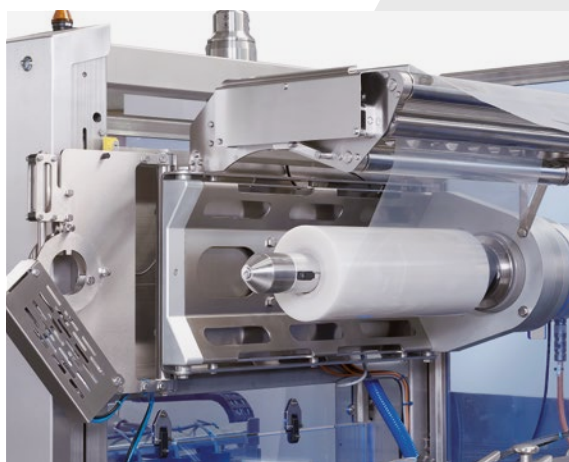
Motor-driven film unwinding

The unwinding systems for both the top and bottom films are motorized and are synchronized with the machine's advancing cycle. In combination with the innovative web tensioning system they facilitate a controlled unwinding and a simplified and secure film path. For the top and bottom films it is also possible to adjust the transverse position during operation. The axial position of the films is automatically monitored and regulated in an optimum fashion. Overall this provides the basis for a substantially improved sealing seam quality. In addition there are hygiene-related benefits because mechanical braking systems and the dust discharge this normally involves are completely done away with. And downtimes due to jammed or sticking rollers are also a thing of the past.



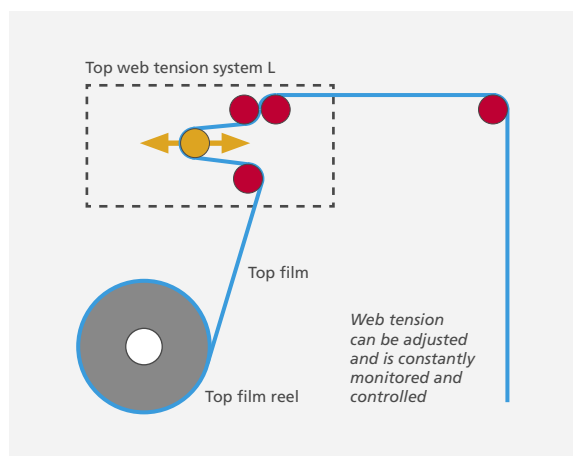
Two-sided mounting of the unwinding systems

For greater stability, even film path and less vibration-prone rolling behaviour the new PowerPak PLUS has tensioning shafts and film rollers which are mounted on two sides. This minimizes the risk of creasing to a major extent. To change a roller the second mounting is simply opened, thus providing for really easy replacement. The newly developed film shafts are of closed design and they reliably dissipate static discharges. Both factors make for better hygiene by preventing the formation of moisture and dust deposits on the films.

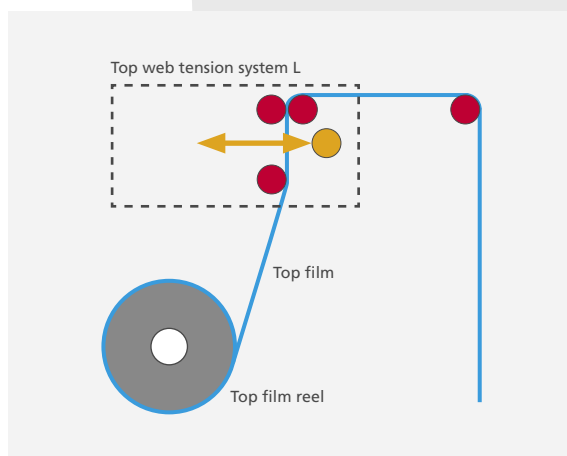


New kind of web tensioning systems

The motor-driven and controllable web tensioning systems invariably ensure optimum film tension. This means that an extremely low and even force progression in the top film is ensured. An automatic film replacement position and a simplified and shortened film path cut the film replacement times and film consumption when changing.



Working Position



Film Change Position

Innovations – the way forward

Completely redesigned sealing station

Following the new features in film unwinding and film path the structure of the sealing station was also fundamentally improved. As a result the entire unwinding of the top film has been arranged in the area of the sealing station so as to optimize access. The sealing station is protected by means of a continuous casing with vertically movable safety doors which can be lowered simply and quickly for interventions – and loose safety guards can be completely dispensed with. This means that the GEA PowerPak PLUS combines user friendliness, hygiene and safety in an unprecedented fashion.

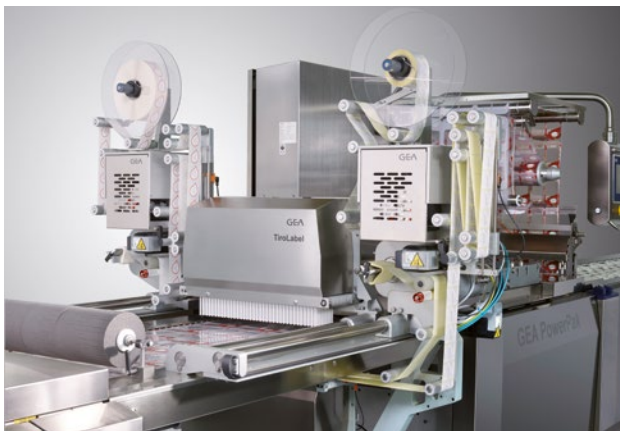


Added value with additional functions

Labelling with no ifs, ands or buts

The new GEA TiroLabel sets new standards with:

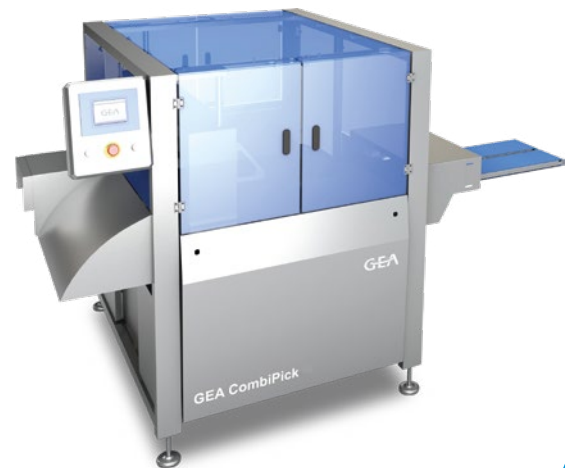
- Extremely high operating speed
(e.g. slicer line in X.4 format with up to 50 strokes)
- Perfect integration into GEA thermoformer systems
- Simple to operate and programme
- Also labels sophisticated packaging with millimetre accuracy
- Fast and flexible conversion, also for special applications
- Reliable results, even on uneven surfaces
- Motor-driven positioning unit on top and bottom with spring-loaded pins enables non-pneumatic labelling
- Seamless integration into complete GEA packaging solutions



Automatic single pack selector and converger with GEA CombiPick

Perfect partner for thermoformers with quality control systems:

- Combined single pack selection and converging
- Multi-track solution with speed up to 120 ppm
- Converges from up to six tracks to one
- Compact design for space-efficient packaging line
- Perfect partner for GEA OxyCheck, VisionCheck and empty pack detection
- Quick and easy conveyor removal for rapid belt change
- Separate drive motors for the infeed-, picking and outfeed conveyors
- GEA touch-screen display and reliable B&R control
- New GEA HMI with better usability



GEA offers further additional functions for GEA PowerPak PLUS thermoformers such as tool change systems, labeling and printing solutions, residual oxygen measuring systems, empty pack detection etc. We are happy to help !



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

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