Packaging solutions
FormShrink®
MULTIVAC is the world’s leading manufacturer of packaging machines. Each of these packaging solutions is individually designed to the customer’s requirements in terms of pack design, output and efficient use of resources. Reliability, durability and comprehensive service make MULTIVAC machines a resilient link in your production chain.
The FormShrink® packaging system

For the FormShrink® packaging procedure, the MULTIVAC thermoforming packaging machines developed for this process were used, along with the proven FormShrink® packaging materials. The unique combination of machine and packaging material allows shrink packaging in groundbreaking quality and perfection to be created automatically, reliably and with the highest output.

The result is a FormShrink® pack which

- enables quick and clean filling from above of the completely open pack cavities; this also makes filling easy to automate
- features high seal seam strength through frame sealing
- is highly stable and puncture resistant
- significantly extends the shelf life of the packaged goods
- is suitable for sensitive products, due to packaging with modified atmosphere packaging
- can be furnished with an easy-open corner
- offers maximum flexibility in packaging design through upper and lower webs

Make use of our consultancy service and benefit from our experience in food packaging. This allows you to receive the ideal machine configuration.
FormShrink® packs

FormShrink® is a cost-effective and automated alternative to packaging with shrink bags. For the FormShrink® packaging procedure, thermoforming films with special shrink properties are used, which are then activated in a shrinking tunnel.

The result is attractive packs which envelop their products like a second skin. The protruding film trim known from conventional shrink wrapping is minimised. This pack can also be equipped with an easy-open corner for simple and convenient opening.

The advantages over previous shrink packaging systems are compelling:

- Easy and clean filling from above of the completely open pack cavities
- Additional minimisation of seal flange contamination through the use of loading grids. This ensures the perfect and permanent seal seams are produced, and that there is significant reduction in the wastage quota
- High level of automation and output while at the same time saving personnel resources
- Shape cutters lead to extensive elimination of protruding films
FormShrink®

A perfect look
- The unique shrinkage properties of the film enable high-quality shrink packaging which perfectly adapts to the shape of your product
- An integrated shape cutter separates protruding films precisely and automatically. Your product gets only the packaging it needs – creating a perfect presentation
- The high transparency of the film allows unclouded product presentation and packs with impressive luster

Tailored pack form
- With FormShrink®, each product is provided with individually customised packaging, regardless of its shape and size. This allows you to package products independently of a limited range of bag sizes and unfavourable bag proportions
- Easy opening: FormShrink® packs can be equipped with a tear tab, guaranteeing easy and controlled opening of packaging

New flexibility in packaging design
- FormShrink® films are transparent and available in a wide range of standard colours, as well as with individual colouring
- The combination of differently coloured upper and lower webs leads to exceptional product presentations, such as the plate effect or tray look
- The upper web is suitable for rapport printing, the lower web for scatter printing. In this way the diverse possibilities of packaging design can be implemented, even for shrink packaging
Greater pack safety
- The perimeter sealing of a thermoforming packaging machine produces seal seams with special strength and durability. In this way the packs provide increased safety during storage, transport and the entire logistics chain down to the final consumer
- Through the filling of the pack cavities from above and optional loading grids, the cleanliness of the seal seam and thus the quality of the seal seam is optimised

Superior cost-effectiveness
- Through a pack shape tailored to the packaged goods and the use of particularly thin FormShrink® films, the packaging material consumption can be significantly reduced
  - Up to 20% compared to conventional shrink bags
  - Up to 50 % compared to PVC shell packaging
- Through the efficient thermoforming process with high cycle output and simple automation of product infeed, FormShrink® provides maximum output with consistently high packaging quality and precision
- The especially easy filling of the packs and the intuitive operation of the packaging machine enable optimisation in workforce deployment of 60% compared to conventional bag packaging lines
- Through the use of a thermoforming packaging solution, FormShrink® users report significantly reduced wastage quotas and product claims due to leaking and contaminated packaging
FormShrink® thermoforming packaging machines

For the FormShrink® process, MULTIVAC offers special thermoforming packaging machines that have all the benefits of MULTIVAC’s innovative packaging technology. These machines cover a large portion of the range of available pack sizes and output. Fast die changes ensure flexible use.

FormShrink® thermoforming packaging machines process a lower web and an upper web from a roll. The pack cavities are thermoformed and then filled, either manually or by means of automatic devices, and completely sealed in the sealing die under vacuum or with modified atmosphere packaging. Cutting devices provide the pack with the desired contour.

MULTIVAC has decades of experience in shrink packaging. One result of this is the unique chain guide of the upper web, which we recommend for FormShrink® packaging solutions. During the FormShrink™ process, the upper web is guided into transport chains on both sides. This ensures reliable and wrinkle-free processing of particularly thin and puncture-resistant FormShrink® packaging materials.

**Shrinking and drying units**

The shrinkage properties of FormShrink® packaging materials are activated in a shrinking unit. MULTIVAC offers different automatic shrink tunnels for this, covering a broad spectrum in terms of pack size and output.

MULTIVAC drying tunnels ensure that packaging is completely dry for further processing, such as labelling and boxing, in the shortest possible time. We also offer solutions here in different size and performance classes.
Our services

MULTIVAC services
Our goal is that MULTIVAC packaging solutions will fulfil your demands and the legal requirements as quickly, efficiently and economically as possibly. To this end our team of experts offers you a wide range of support services and technical assistance.

FormShrink® consulting
Our team of experts provides customers with advice in respect of the packaging materials suitable for the respective application. All FormShrink® films satisfy the highest in international standards for food packaging films. They fully fulfil HACCP, BRC/IoP and all relevant ISO standards. All FormShrink® materials are also inspected and tested by MULTIVAC.

Package drawings and sample productions
Following a process of consultation with our customers, an individual pack design is created from the complex product requirements. Using 3D pack drawings and sample productions, we then develop the best packaging for every product and for all output requirements. We have Application Centres worldwide for this purpose, which are equipped with state-of-the-art technology and a wide range of measuring equipment, and which are staffed by experienced application experts.

Project management and putting into service of machines and lines
From the initial idea to the first test run - a knowledgeable and experienced project team will be at your side during the implementation of your packaging solution. This team will accompany you from the first evaluation to the final completion of the packaging project. Briefing your employees and the final acceptance, complete the putting your packaging solutions into service.

Training
We offer comprehensive training courses for you to become familiar with the operation, servicing and care of your machine. This can take place at our worldwide training centres or with you on site. The coaching is practically based and is carried out right at the machine, and you also receive the written training material at the end. In this way you can fully realize the potential of your new MULTIVAC packaging solution.
MULTIVAC is there for you on site worldwide.

More than 900 sales advisors and service technicians work worldwide in our more than 65 subsidiaries. We are present on all continents and in all important markets. At all times and in all places we offer you expert advice and a comprehensive range of services covering all areas of packaging, as well as support you in achieving the best possible and most effective overall solution. Our technical service, combined with a rapid availability of spare parts, ensures that all MULTIVAC machines installed worldwide are at maximum readiness. You can rely on us!