Packaging solutions
Industrial and consumer goods
MULTIVAC is the world’s leading manufacturer of packaging machines. Each machine 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 for industrial and consumer goods.
Our expertise profile

As a global company with many years of extensive experience, MULTIVAC offers holistic packaging solutions that are far more than just a perfectly functioning machine. Your requirements and our expertise meet to provide you with a packaging technology that is specially tailored to your needs.

MULTIVAC’s experienced teams of experts are able to provide you with comprehensive advice and support, starting with the pack design and extending all the way to the machine operating at your plant.

**Efficiency**
MULTIVAC packaging solutions offer permanently high cycle output and maximum availability.

**Flexibility**
MULTIVAC packaging solutions ensure maximum flexibility. This allows you to respond quickly to new requirements of your customers.

**Process reliability**
Easy-to-operate machine controls ensure safe and reproducible processes.
Integration and extensibility
MULTIVAC offers packaging solutions in various levels of automation, from manual systems and semi-automatic machines to turnkey, fully integrated packaging lines.

We manufacture handling systems, converging and transportation systems, and marking and quality inspection solutions ourselves. We are also able to integrate components from other manufacturers in our packaging solutions.

Traceability
MULTIVAC Track & Trace™ enables precise batch or individual marking of packs. The data on product origin and its processing is applied to the pack during the packaging procedure for each specific machine cycle.

Information and identification
By integrating MULTIVAC marking systems such as labellers and direct web printers, packaging can be branded and provided with product data on a variable basis. In addition to this, other requirements can be met, such as inclusion of booklets, an RFID tag, etc.

Sustainability
Sustainable packaging concepts have long been daily practice at MULTIVAC. We always have the complete material cycle in mind. This applies not only to the application of the machines but also to their entire life cycle. Accordingly, packaging machines are not only extremely resource saving, but also have an exceptionally long service life.
Our range of services

Innovative technologies are standard for us. MULTIVAC has been the trailblazer for years when it comes to optimising packaging procedures.

**Packaging design**
Following a process of consultation with our customers, a pack design is created from the complex product requirements, and we then transform this into sample packs for a wide range of tests. We have Application Centres worldwide for this purpose, which are equipped with state-of-the-art technology and a wide range of measuring equipment, which are staffed by experienced application experts. We support you in the selection of packaging materials, as well as in the implementation of the most sophisticated packaging forms for your distinctive product presentation.

**Packaging material efficiency**
MULTIVAC has developed several solutions to optimise the consumption of packaging materials, such as reduction of the partitions of the seal flange and the edge trim at the production of thermoformed packages. Simultaneously, the packaging design can help to reduce film consumption.
Packaging materials
 Depending on the application, a wide range of packaging materials, especially soft films, rigid films, aluminium laminates, paper, cardboard and fleece materials, can be processed on the packaging machines. Opening aids and re-closure systems can be easily integrated.

Modified atmosphere packaging
 Modified atmosphere packaging may be chosen for all pack types. The product can be packed with a natural atmosphere, under vacuum or with modified atmosphere.
Our pack features

- **Product protection**
  - **Protection from oxygen, moisture and dust**
    Products are securely protected in their permanently sealed packs against the impact of environmental conditions. The residual oxygen content and the pack atmosphere can be precisely controlled by packaging in a vacuum or a modified atmosphere.

- **Protection from electrostatic discharge (ESD)**
  MULTIVAC packaging systems are able to process anti-static or conductive packaging materials. What starts with the manufacture of products with ESD protection in the workplace is systematically continued in packaging and transportation.

- **Transport protection**
  Packaging that is individually matched to the properties and shape of the pack content is able to provide the best protection from mechanical stress.

- **Protection from UV radiation**
  Packaging materials with suitable barrier properties protect your product from UV radiation.
**Anti-theft protection**

Protection against theft is a decisive factor in the case of high-value products.

In respect of mechanical theft protection, it is possible to produce very stable and durable sealed packs that cannot be opened in the salesroom without assistance.

In respect of electronic theft protection, MULTIVAC packaging systems can be equipped with labellers that also securely attach RFID tags to the interior of the packs.

Small products can be packed in sufficiently large blister packs so that pocketing is difficult and anti-theft devices that inhibit purchasing are unnecessary.

**Counterfeit security and authenticity protection**

MULTIVAC packaging experts are eager to advise you individually on packaging your products to protect them from counterfeiting.

A standard option for anti-counterfeiting is embedding RFID tags in the pack. Moreover holograms can be applied.
Large variety of packs

For packaging of industrial and consumer goods, MULTIVAC offers a variety of solutions for your requirements.
Packaging solutions for electronic products

**Semi-finished electronic products**
Semi-finished electronic products are particularly sensitive, both in the manufacturing process and during transport. Anti-static or conductive packaging materials can be processed safely and reliably on MULTIVAC packaging systems. Our packaging solutions comply with VDE guidelines and thus meet the requirements of the respective industries, such as the semiconductor sector.

- Protection from electrostatic discharge
- Protection from UV radiation
- Transport protection
- Protection from mechanical impacts
- Traceability
- Recyclability
- Volume reduction

**Electronic end products**
Product differentiation at the point of sale can only take place if high-quality end products are well presented and the main product information is easily visible. MULTIVAC not only has the expertise for functional blister packs but is also extremely competent in theft and authenticity protection.

- Attractive presentation at the point of sale
- Communication and information at the point of sale
- User-friendliness
- Transport protection
- Protection from mechanical impacts
- Anti-theft protection
- Authenticity protection
- Recyclability
Packaging solutions for mechanical products

Semi-finished mechanical products
Manufacturers of mechanical components often have a very large range of products that they supply in different configurations, pack sizes and packaging materials. MULTIVAC meets these requirements with highly efficient packaging solutions that simultaneously offer maximum flexibility and easy convertibility.

- High diversity of formats
- Protection from electrostatic discharge
- Protection from mechanical impacts
- Transport protection
- Protection from oxygen, moisture and dust
- Traceability
- Individual marking
**Mechanical end products**

In addition to brand-appropriate product presentation at the point of sale, blister packs enable full visibility of the product and the promotional space. The end user can quickly and easily identify the product and its manufacturer within the overall range.

- Attractive presentation at the point of sale
- Visibility of the product in the pack
- Individual marking
- Transport protection
- Protection from mechanical impacts
- Protection from oxygen, moisture and dust
- Anti-theft protection
- Authenticity protection
Packaging solutions for chemical products

Chemical containers
Through a hermetically sealed pack, moisture and oxygen cannot reach the package contents. In this way undesired chemical reactions are avoided and employees are optimally protected in corresponding work areas. At the same time, the durability of chemical containers is extended.

- Protection from migration of chemical substances
- Protection from oxygen, moisture and dust
- Tightness of the pack and safety
- Transport protection
- Individual marking
- High diversity of formats
- Traceability
- Volume optimisation
- Extension of product shelf life

Chemical end products
Packs for chemical end products do not only provide all necessary protection functions but also avoid the formation of unwanted odours on the sales floor and in the household.

- Aroma barrier
- Protection from oxygen, moisture and dust
- Attractive presentation at the point of sale
- Communication and information at the point of sale
- High diversity of formats
- Marking
- Extension of product shelf life
- User-friendliness – through re-closure systems and dosing aids, for example
Packaging solutions for valuables and high-value products

Valuables such as crystal, banknotes or documents can be safely and gently packed with precisely reproducible process parameters using MULTIVAC packaging systems. MULTIVAC meets these requirements through decades of experience and is a pioneer in areas such as theft- and counterfeit-proof packaging.

- Protection from mechanical stress
- Protection from oxygen, moisture and dust
- Transport protection
- Tamper protection
- Protection from UV radiation
- Extension of product shelf life
- Volume reduction
- Individual marking
- Authenticity protection
- Traceability
MULTIVAC has a wide spectrum of solutions for communicating your brand values and differentiating your products through attractive and functional packaging. It is possible to produce blister packs with cardboard backing and blister packs with backing film that is printed on both sides on the same machine.

- Attractive presentation at the point of sale
- Communication and information at the point of sale
- Protection from moisture and UV radiation
- High diversity of packaging materials and formats
- Transport protection
- Recyclability
- Authenticity protection
Packaging solutions for hygiene and cosmetic products

First impressions count. This is also true for hygiene and drugstore products, because often the consumer decides only at the point of sale which article of a product group is purchased. Attractive and functional packaging contributes to the market success of a product, and an efficient packaging solution also ensures lasting commercial success.

- Attractive presentation at the point of sale
- High diversity of packaging materials and formats
- Aroma barrier
- Protection from UV radiation
- Protection from oxygen and moisture
- Tamper resistance
- Authenticity protection
- Anti-theft protection
- Marking and product description
- Extension of product shelf life
Packaging solutions for pet food and accessories

The characteristic taste of pet food must remain in the pack, and at the same time no undesirable odours may arise on the sales floor and at home during storage. Thanks to hermetic sealing with long-lasting seal seams, MULTIVAC packaging solutions guarantee maximum freshness and shelf life, as well as a high degree of aroma concentration.

- Aroma barrier
- Protection from UV radiation
- Product differentiation and packaging design
- High diversity of formats
- Heat resistance
- Authenticity protection
- Traceability
- Opening aids and re-closure systems
- Extension of product shelf life
- Individual marking
Absolutely well packaged
Systematic packaging

MULTIVAC develops and builds turnkey packaging lines, including infeed equipment, handling modules, convergers, inspection systems, labelling and marking equipment as well as outer packaging systems. All the processes of a line can be controlled centrally via the MULTIVAC HMI user interface. The MULTIVAC machine control also enables the processing of product and process data – for product traceability, for example.

Handling module for pack converging

Marking system
Handling module for loading  Thermoforming packaging machine
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.

Package drawings and sample productions
Following a process of consultation with our customers, an individual pack design is created from the complex product requirements. We develop the best packaging for every product, as well as all the performance requirements, by using 3D pack drawings and sampling. We have Application Centers 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 machines and lines into service
From the initial idea to the first test run - a competent and experienced project team will be at your side during the implementation of your packaging solution, a team that will accompany you from the first evaluation to the final completion of the packaging project. Briefing your employees and the final acceptance, complete the process of putting your machine into service.

Training
We offer comprehensive training courses for you to become familiar with the operation, servicing and care of your machine. Either at our worldwide training centres or with you on site. The coaching is practically based and carried out right at the machine. You will also receive the written training material at the end. In this way you can fully realize the potential of your new MULTIVAC packaging solution.
Service, spare parts and retrofits
MULTIVAC’s technical service ensures the maximum availability of your packaging solutions. Whether service or repair work, troubleshooting or retrofits - our customer service advisors and regional service technicians are always there for you.

MULTIVAC spare parts not only ensure fault-free operation and a maximum service life, but they also fulfil the highest safety standards. We are able to guarantee a quick and comprehensive supply of genuine spare parts in MULTIVAC quality through our worldwide spare parts logistics, as well as the decentralised warehouses at our service support points.

With our retrofit service for the modular designed MULTIVAC packaging machines, you can react flexibly to the new requirements of the markets and your customers. We will gladly advise you on the retrofit possibilities in respect of your packaging solutions.
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!