Marking
Labelling and Printing
For over 40 years MULTIVAC Marking & Inspection has been developing innovative labelling and printing solutions for many different sectors and markets. Our wide product range extends from cost-effective BASELINE labellers to complete labelling and marking systems, tailor-made from individual modules. Irrespective of your particular product and its requirements for labelling, printing or inspection, we always provide a labelling or marking system which can be integrated seamlessly into your packaging procedure.
MULTIVAC marking systems

The labelling and printing solutions from MULTIVAC Marking & Inspection cover a large spectrum of inline and offline systems which are suitable for a wide range of applications. Our labelling and printing solutions ensure precision, reliability and quality, and they are supported by MULTIVAC’s worldwide service network.

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Perfect marking

Quality
MULTIVAC offers labelling and printing solutions on a high technical level and which meet the requirements of the market. We focus on innovative products and state-of-the-art manufacturing technology, as well as absolute reliability and efficiency. Our relationship with our customers is one of a dialogue between partners.

Hygiene
When we develop our products, we pay attention to a design which is consistently hygienic throughout. Our products are easy to clean and they give simple access to all the relevant modules. This means that MULTIVAC labelling and printing systems meet all the requirements of the food industry and medical technology.

Precision
MULTIVAC labelling and printing systems provide perfect results and optimum product presentation. Labels are positioned accurately and reliably. Our printing systems enable you to precisely reproduce print data on a wide range of surfaces.

Output
We ensure that your labelling or printing system keeps pace with your packaging line. Our range of different technologies contributes to the reduction in downtime, such as an unwind unit for large diameter label rolls or an automatic switchover for virtually uninterrupted labelling. Servo drives and particular design solutions, such as our special dispensing mode, ensure that a high labelling output is achieved.

Efficiency
MULTIVAC’s labelling and printing systems are characterised by a high level of reliability and durability. They are maintenance-free wherever possible and optimised for minimum changeover times.
Simple operation

All labelling and printing systems, which are integrated in MULTIVAC packaging machines, can be operated centrally via the control terminal of the packaging machine. All processes can be controlled intuitively on the 12” LCD touchscreen of the HMI 2.0 user interface. Thanks to this in-depth integration, a large number of operating procedures can be automated.

The HMI 2.0 ensures

- Intuitive operation
- Maximum operating reliability
- Seamless visualisation of the packaging procedures
- Easily comprehensible diagnostic messages
- Extensive help functions

Our L 310 series of conveyor belt labellers are also operated via a MULTIVAC HMI 2.0 user interface. The BASELINE series of stand-alone labelling systems are equipped with a MULTIVAC MC control. The particularly compact control terminal makes operation easy and intuitive, using only a few keys.
Cross web labellers – labelling on thermoforming packaging machines

MULTIVAC cross web labellers label thermoformed packs on the thermoforming packaging machine. The labels can be precisely applied to the top and/or bottom of a pack. A wide range of label formats and materials can be run on cross web labellers. The cross web labeller is operated at the HMI 2.0 terminal of the thermoforming packaging machine.

Thanks to a wide range of equipment options, the cross web labeller can be ideally matched to the customer’s requirements. All the standard printing technologies can be integrated in the labellers. Different monitoring and inspection systems ensure the labelling procedure runs smoothly, and a high level of product and pack quality is maintained.

We also offer ancillary solutions, such as the MULTIVAC Track-and-Trace™ system of traceability labelling, or an automatic switchover between two cross web labellers for high-performance lines.
Cross web labellers

Labelling sealed packs

In the case of labelling sealed packs, the cross web labeller is fitted on the thermoforming packaging machine in the area of the discharge extension. With the labeller in this position on the machine, the packs can be labelled on the top and/or the bottom.

Labelling the top of sealed packs

Labelling the bottom of sealed packs
Labelling the upper web

In the case of products with uneven surfaces or labels with large dimensions, it is recommended that the label is applied to the upper web, before this is sealed to the lower web. The cross web labeller is positioned in this case on the control cabinet of the thermoforming packaging machine.
Direct web printers – precision printing on packaging machines

Thanks to their compact design, MULTIVAC direct web printers can easily be installed on thermoforming packaging machines or traysealers. They print variable data, such as texts (use-by dates, batch numbers) or barcodes, directly onto the packaging film.

Depending on the requirement profile, different types of printing technologies are used. The print can be either one row or several rows, and it can run in either the longitudinal direction or at right angles to the running direction of the film. The direct web printers are operated centrally via the HMI 2.0 control terminal of the packaging machine.
Direct web printers on thermoforming packaging machines

Depending on the requirement profile, MULTIVAC direct web printers can be installed in different positions on the thermoforming packaging machine. One version enables the upper web to be printed, before this is sealed to the lower web. Another version allows the bottom or the top of a sealed pack to be printed.

Printing the upper web

Printing the bottom of the pack

Printing the top of the pack
Direct web printers on traysealers

In the case of the upper web printing of tray packs, the MULTIVAC direct web printer is installed at the infeed of the upper web from the roll. The direct web printer is operated centrally via the HMI 2.0 control terminal of the traysealer. This enables the position of the print data to be set at the control terminal of the traysealer and saved in the recipe.
Conveyor belt labellers

MULTIVAC’s modular constructed conveyor belt labellers offer the highest level of flexibility in the labelling of a wide range of packs, such as jars, bottles, cartons, tubular pouches, thermoformed packs or trays. They can be seamlessly integrated into existing filling or packaging lines, or they can be used as a stand-alone solution with manual product infeed.

The conveyor belt labeller is also very flexible in regards to the positioning of the label. Labels can be applied to the top or bottom of packs, to one or more of their sides, as well as on the leading face or over the edges of the pack. A wide range of transport conveyors, applicators, printers and monitoring units are available as equipment options.

MULTIVAC offers two series of conveyor belt labellers, depending on the output requirement and the complexity of the task. The BASELINE L 300 series was specially designed for simple labelling tasks in the low- to medium-output range. The L 310 series is available for complex labelling and inspection requirements in all output ranges. This means that we can ensure the customer always receivesthe optimum solution, both technically and cost-effectively.
Conveyor belt labellers

Tailor-made labelling
Thanks to their modular construction and tailor-made ancillary modules, MULTIVAC conveyor belt labellers can be individually designed to the particular requirements of the customer.

Top or bottom labelling

Top and bottom labelling
Minimizing downtime
MULTIVAC conveyor belt labellers can be equipped with a zero downtime function. They are fitted for this with a second label dispenser, which provides a stand-by function. The stand-by dispenser automatically starts to operate when the other label dispenser has run out of consumable material or when a product change is being prepared.

Top and bottom labelling
Application of two different labels or zero downtime labelling

Various applicators for applying the label to the product, see page 26 + 27
Link chain labellers

MULTIVAC link chain labellers are used for wrap-around labelling of cylindrical products, front and back labelling and for the application of cap sealing labels. The precise product infeed ensures that faultless labelling results are achieved, even with the most challenging product shapes. They are simple to operate and can be quickly converted.

The link chain labellers are of modular construction and offer many different equipment options for product handling, label application, label printing and quality inspection. This enables a wide range of requirement profiles to be met.

- Front labelling and cap labelling
- Link chain labeller with 3 label dispensers
Inline labellers

MULTIVAC inline labellers can be integrated flexibly and efficiently into existing production or packaging lines. Due to their modular construction and wide range of mounting systems, these labellers can be easily installed on existing transport units or packaging machines. They are simple to operate and can be quickly converted.

Depending on the particular labelling task and required speed, there are different types of applicators available, which either press, brush, roll or blow the label onto the pack. The labels can be applied either intermittently or continually.

There are various types of printers available for printing production-related data onto the labels.
Applicators for label dispensers

MULTIVAC label dispensers can be equipped with different applicators, which transfer the label to the pack. The choice of applicator is determined by the shape and material of the pack, as well as by the desired position of the label. The integration of the labelling in the packaging procedure also has to be taken into consideration.

The fixed dispensing edge applies labels in slight depressions and presses them on securely using a brush.

The movable dispensing edge compensates for any slight height differences in the products and presses the label on securely using a press-on roller.

The angled dispensing edge applies labels to the leading side of products and presses them down diagonally on top.

The mechanically actuated dispensing edge is suitable for products with large height differences.
The wrap-around applicator places labels on cylindrical products in intermittent systems.

The blow-on applicator blows the labels onto the product in a longitudinal or horizontal direction without contact.

The roll-on belt rolls labels onto cylindrical products as they pass by.
Table top labellers

MULTIVAC table top labellers are a reliable, cost-effective and convenient solution for applying self-adhesive decorative or information labels from the roll. They combine manual product handling with the precision of the automatic labelling process.

The table top labellers are equipped with a carrier for either flat or cylindrical products, and they can be converted quickly and simply by means of adjustment devices.
Thermal transfer printer

The MULTIVAC TTO thermal transfer printers can be used on the entire range of MULTIVAC labelling and printing system that are equipped with the HMI 2.0 terminal. They are suitable for the direct web printing of packaging film on thermoforming packaging machines and tray sealers, as well as for the printing of labels on cross web labellers and conveyor belt labellers.

Thanks to their complete integration in the machine control of the packaging machine or labeller, they offer significant benefits with regard to efficient and reliable operation. Numerous operating procedures, such as the loading of the print layouts or the backup/restore functions, can be automated in this way.

High level of print quality
Thanks to its high resolution of 300 dpi, the MULTIVAC TTO printer delivers optimum printing results. In addition to texts, graphics and logos, variable data can also be printed, such as the production date, use-by date, batch number or barcode.

High productivity
The MULTIVAC TTO printer offers a high level of availability at low operating costs. This is achieved through the small consumption of wearing parts, a long ribbon length of up to 1000 metres per roll and many different ribbon-saving functions.

Maximum flexibility
MULTIVAC TTO printers enable both continuous and intermittent printing to be carried out in the one unit. Several versions are available for different print areas.
Everything from one source

MULTIVAC offers the complete range of labelling technology, labels and consumable materials from one source. This means that we can ensure all the materials used in the packaging and labelling procedure match each other perfectly. This prevents stoppages and ensures the best results. Our expert advice in all aspects of the label and its print guarantees that not only the legal requirements are fulfilled, but also that there is optimum product presentation.

Labels
Depending on the application, the widest range of label materials can be supplied. These can be manufactured with different printing processes, such as offset, letterpress, digital or flexo printing. We can also supply small quantities from 300 labels onwards.

Consumables
To complement the printing technology, MULTIVAC also supplies appropriate consumable materials of the highest quality, such as thermal printheads and ribbons. Various materials with different wax/resin proportions are available. All grades are ISEGA certified, i.e. declared as safe for use in the food sector.
BETTER PACKAGING

Our goal is for MULTIVAC packaging solutions to fulfil your requirements reliably and efficiently. That’s why your team of MULTIVAC experts offers you a wide range of technical support and services, from the initial consultation right through to an uninterrupted supply of all spare parts for at least ten years after your MULTIVAC packaging system was put into service.

Comprehensive advice
From the initial idea to the first test run - a qualified and experienced project team is at your side and accompanies you from the first assessment of your requirements until the time your packaging solution becomes a reality.

Training
We offer you comprehensive training courses, so that you can become familiar with the operation, servicing and care of your machine. In this way you can fully realize the potential of your MULTIVAC packaging solution.

Service
Worldwide there are over 900 MULTIVAC experts in the field: around 300 sales advisors to develop the most efficient packaging solutions with our customers, as well as more than 500 service technicians to assist with service support, retrofit equipment and training.