

# Автоматические аппликаторы этикеток 500 VFFS/HFFS, Eco, 500 MB, 500 Rotary, 500

**Виды товаров:** специальные аппликаторы для фасовочно-укупорочных машин или флоу-пак, аппликаторы с подвижной пластиной для снятия пленки, роторные аппликаторы, аппликаторы этикеток для всех видов применения.

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## High-performance labeling for rotary machines

# Fast, precise, compact

Even with its tiny footprint, the HERMA 500 Rotary is acknowledged for its ability to apply tens of thousands of labels an hour with supreme precision. This innovative high-performance applicator is compatible with most every rotary machine. Thanks to its compact design and built-in control – with optional real-time interfaces for integration in the machine control – the HERMA 500 Rotary is a perfect partner for rotary machines in every respect.

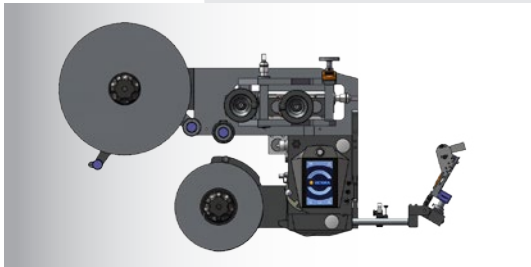
Offering a maximum labeling speed of 150 m/min, each applicator gives you an output of up to 60,000 labels an hour. Speed synchronization is automatic, and accurate adjustment of the height and inclination angle.

The HERMA 500 Rotary is the ideal labeling solution for your rotary machines.



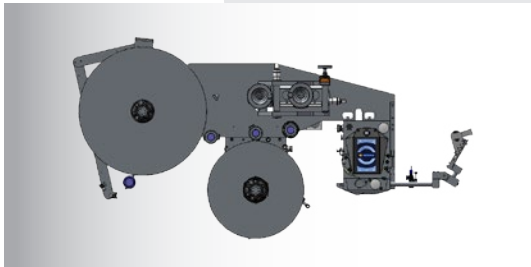
### Benefits at a glance

- High-performance rotary applicator for labeling bottled water, food and personal care products etc.
- Powerful HERMA 500 applicator with its top speed of 200 m/min and integrated control with convenient adjustment of all parameters via the integrated touchscreen
- Automatic speed synchronization
- Compact design for up to six applicators per station
- Adjustable height and inclination angle
- Internal and external low-label and end-of-reel checks
- Built-in control and interfaces for integration in higher-level controls



### Basic 300 / Basic 300 Plus / Basic 400 Plus

- Up to 45 m/min or 16,500 labels per hour
- Mechanical unwinder for reel diameter 300 / 400 mm
- Height adjustment of HERMA 500 with adjusting bar
- Optional height and inclination angle adjustment with digital position indicator

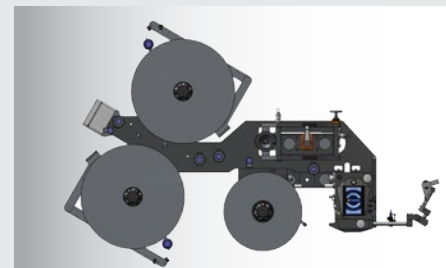


### Standard 1

- Up to 70 m/min or 27,000 labels per hour
- Motorized unwinder for reel diameter up to 400 mm
- Height and inclination angle adjustment with digital position indicator, optional trapezoidal thread spindle

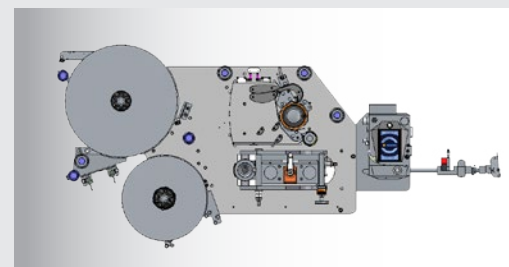
### Standard 2

- Up to 70 m/min or 27,000 labels per hour with two unwinders for faster changes
- Motorized unwinder for reel diameter up to 400 mm
- Height and inclination angle adjustment with trapezoidal thread spindle and digital position indicator



### High-Speed

- Up to 150 m/min or 60,000 labels per hour with loop unit
- Motorized unwinder for reel diameter up to 400 mm
- Height and inclination angle adjustment with trapezoidal thread spindle and digital position indicator



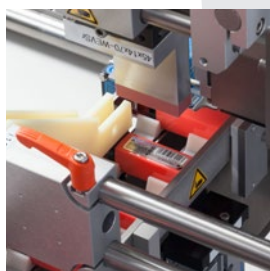
## Top/side/bottom labeling

# Precision and fast cycle times

For many applications, absolutely precise labeling along with high repeatability is crucial. This is particularly important for technical and safety-related aspects. Electronic components with functional labels are only one example for it. But visual reasons also play an important role, such as decorative labels for fast-moving consumer goods. For these and other applications, the HERMA 500 MB ensures maximum precision in label transfer. And combines it with an overall very compact design for flexible integration into indexing production lines.

Separated and centered, the products are fed to the HERMA 500 MB. After the labeling start, the movable peel plate transports the label under the tamp pad of the transfer unit. The label on the tamp pad is then applied to the product by the transfer unit and with high precision and repeatability. This guarantees optimum results both on products with flat surfaces and on surfaces with raised or recessed areas. Even at up to 70 products per minute.



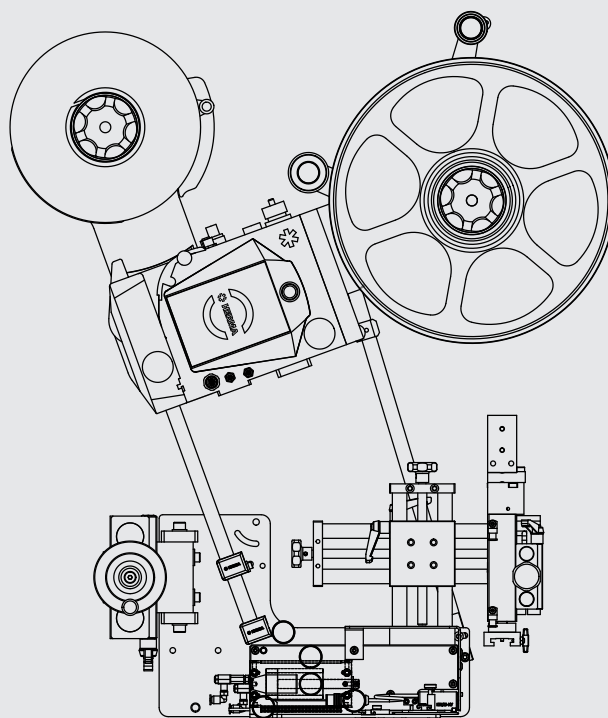


### Benefits at a glance

- Ideal for precise labeling of cosmetic products with decorative labels
- High-precision application of functional labels and self-adhesive functional elements
- High-performance applicator HERMA 500 with integrated control and convenient adjustment of all parameters via the integrated touchscreen
- Compact design for easy integration into production lines
- No additional control system required, integration into a higher-level machine control system on request
- On request, different printers can be integrated to print variable data

### Technical data

Labeling type:	Top/side/bottom labeling
Product specifications:	Rectangular, oval, cylindrical, largely stable in form
Label dimensions:	15 - 160 x 10 - 100 mm (W x L)
Labeling tolerance:	Up to 0.2 mm
Capacity:	Up to 70 products/minute
Power supply:	100 - 240 V AC, 400 W, 50 - 60 Hz
Compressed air supply:	6 bar
Printer:	Various hot-foil and thermal transfer printers (optional)
Components:	Attachment holder, applicator with movable peel plate, linear transfer unit with attachment holder for tamp pad
Options:	Label web stopper, pick-up cylinder, tamp pad adapted to label and product, digital position indicator, interfaces for integration into higher-level control
Note:	If optional features are chosen, the above data may vary.





Performance smartly connected

Looking  
for the top  
performer?

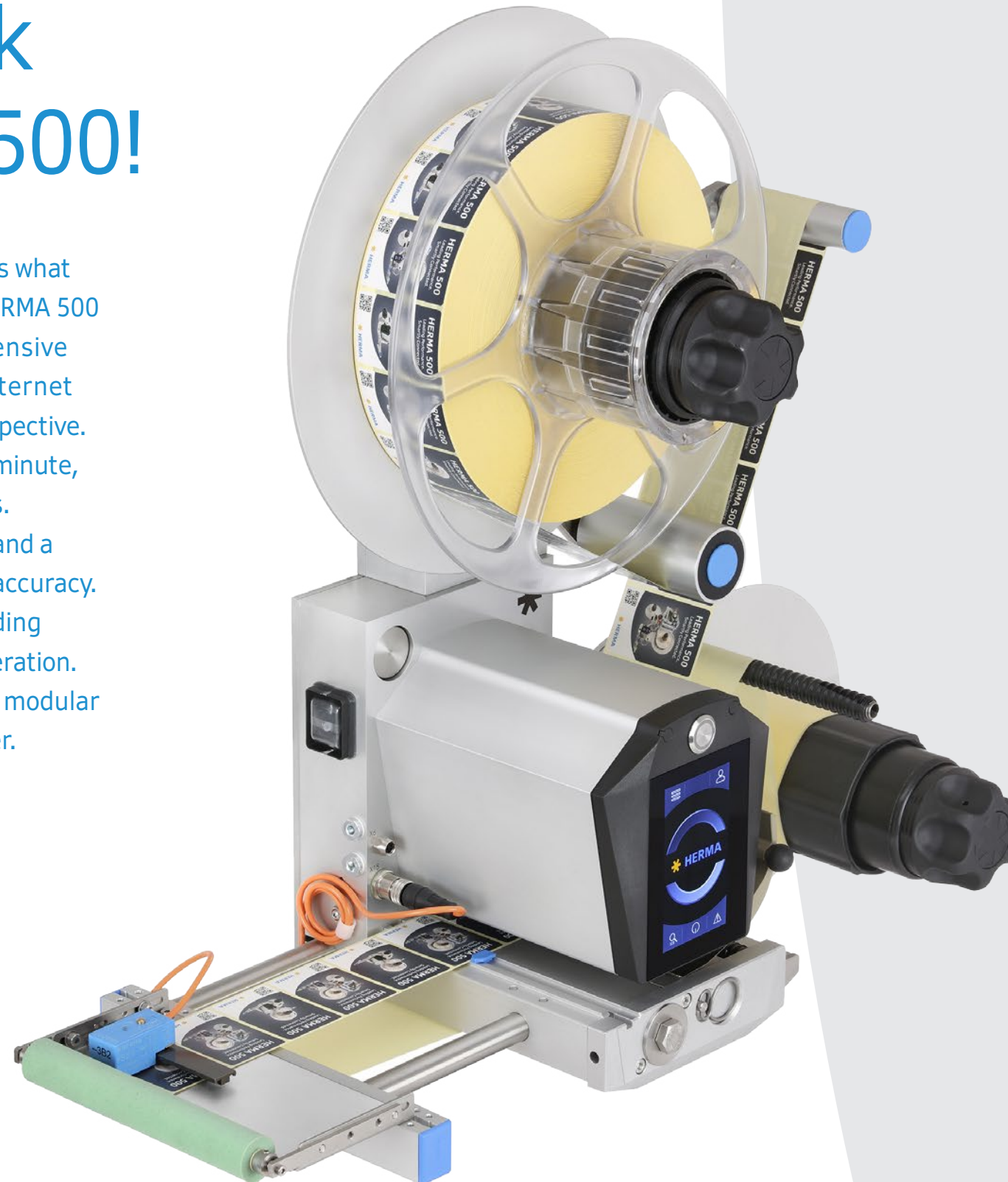


Performance smartly connected

# You've found the benchmark in the HERMA 500!

Supreme performance in every respect – that's what HERMA applicators worldwide stand for. The HERMA 500 is exploring new horizons. Thanks to its extensive connectivity, it is ready for the Industrial Internet of Things (IIoT) and future-proof in every perspective. Running at up to 200 meters or 2,000 labels a minute, the HERMA 500 is one of the top performers.

In synchronous mode with motorized winders and a loop unit, the labels are applied with unrivaled accuracy. An optional cooling element ensures outstanding performance even during 24/7 continuous operation. With its wide range of configuration variants in modular design, the HERMA 500 is a genuine all-rounder.



## Speed with ease

4,3-inch color touchscreen with rotatable display offers innovative menus and intuitive operation.

Time-saving setup with intelligent features and pioneering technologies.

## Compelling quality

Uniform base unit with premium built quality for all configuration variants.

Maximum reliability achieved by full testing of every applicator in series production.

## Forward-looking security

Future-proof interfaces and simple function and performance upgrades via code activation.

Long-term availability of all parts and comprehensive support worldwide – on site or online in the HERMA Service Portal.

Field-replaceable main and connector boards – simply by loosening a few screws and without the usual rewiring.



# Benchmark HERMA 500

## No compromises – outstanding performance

### Fast set-up

Short set-up times thanks to innovative technologies including quick-change systems and automatic detection of label length.



### Comfortable operation

4,3-inch touchscreen displays clear, explicit icons with intuitive menu navigation and customized settings.



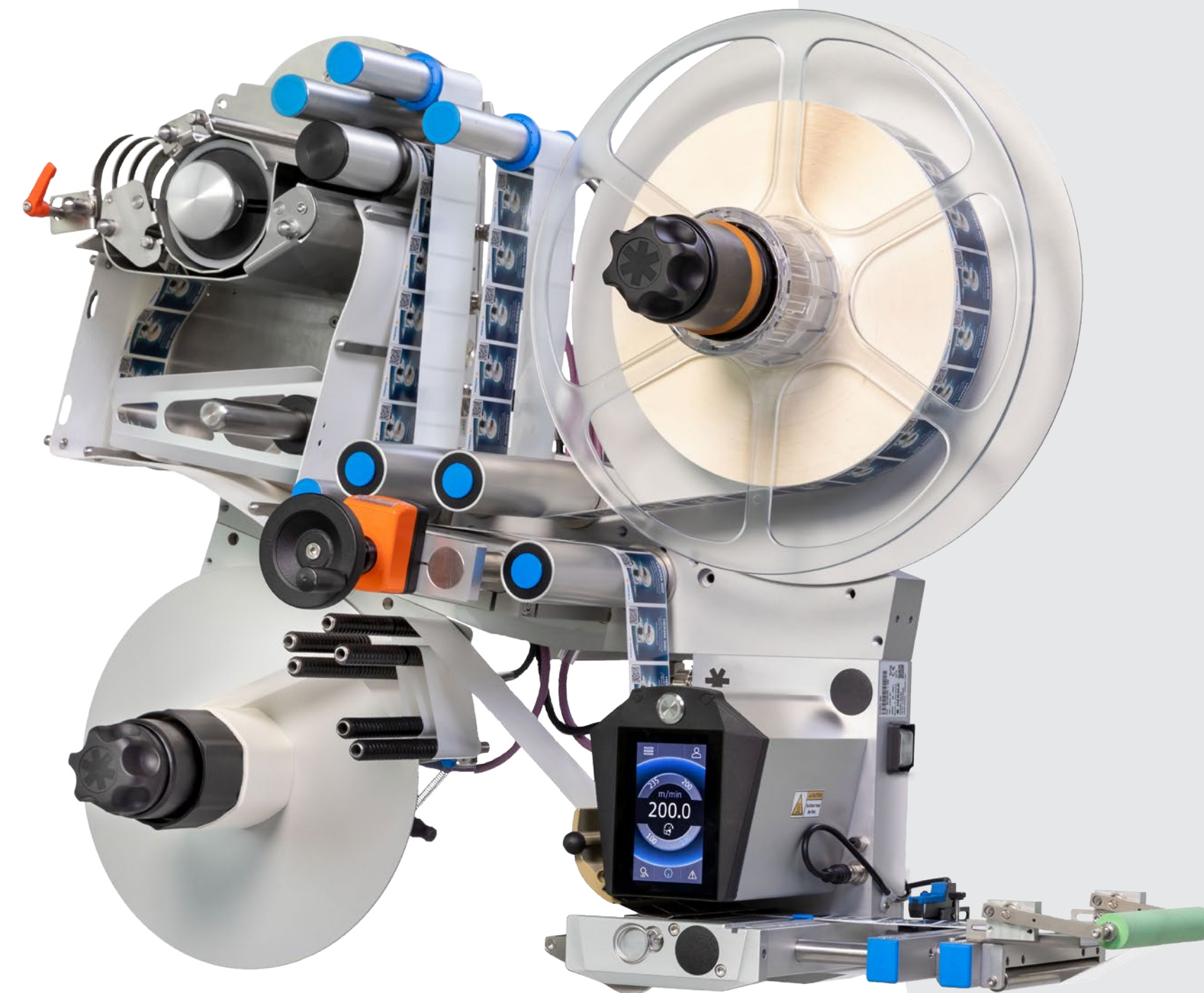
### Targeted information

Favored parameter settings are directly displayed on the start screen and supplement the quick access to the menu, search function and user level settings.



### Enhanced performance

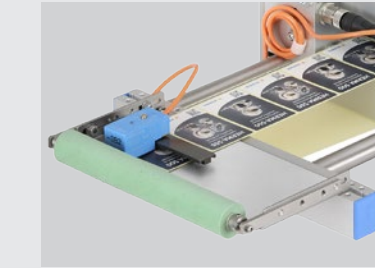
High-speed labeling at up to 200 meters or 2,000 labels a minute synchronized with production speed.



Quality – made in Germany

### High-precision labeling

Modular peel systems enable an exactly reproducible application of labels in a wide range of variants.



### Intelligent control

Latest interfaces for future-proof machine communication. Ready for IIoT thanks to Ethernet interfaces and configurable connectivity to higher-level control systems. In every connector package configuration (I/O or IE), all connections and connectors are installed from the start so that the desired functions can be enabled later simply by code.



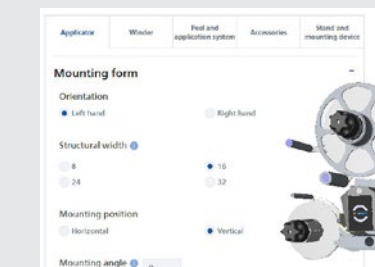
### Flexible use

Unrivalled versatility and compact design allow quick and easy integration into any production line.



### Individual configuration

Application-specific configurations via the HERMA online configurator guarantee the best price-performance ratio and shortest delivery times.



### Online registration

For fast support concerning commissioning and operation as well as for individual information on the applicator and free firmware updates.



### Perfect integration

Adaptable end-to-end solution with the ability to enable individual functionalities such as speed control, OPC UA interface and master encoder operation.





### Label specifications

Label width:	80 / 160 / 240 / 320 mm • 3.1" / 6.3" / 9.4" / 12.6"
Reel diameter:	300 / 400 / 500 / 600 mm • 11.8" / 15.7" / 19.7" / 23.6"

### Technical specifications

#### Mounting form

Orientation:	Left-hand unit • right-hand unit
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#### Base unit HERMA 500

Labeling speed:	0 - 30 / 50 / 80 / 150 / 200 m/min 0 - 98 / 164 / 262 / 492 / 656 ft/min
Interfaces:	I/O interface • Industrial Ethernet • Ethernet TCP/IP • Modbus TCP • OPC UA • CAN bus • master encoder • start signal • label sensor • printer • transfer system • power out
Labeling functions:	Master encoder operation • CAN machine control
Certification:	UL and CSA

#### Label sensor

Sensor type:	Forked light barrier • FS03 for sensing the last label • ultrasonic forked sensor
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#### Operation

Operation via pictograms on the 4,3-inch color touchscreen • quick access to 4 parameters, menu, user administration, search, messages, operation on/off • format management • language selection • can be operated with gloves • button for manual label feed • main switch for complete mains disconnection

#### Displays

Display rotatable in 90° steps • display of configurable main parameter • status display: ready, warning, malfunction in various colors • display of threading guide • display of user manual

#### Service functions

Remote access via web browser • functional upgrade via code activation • firmware update via Ethernet TCP/IP

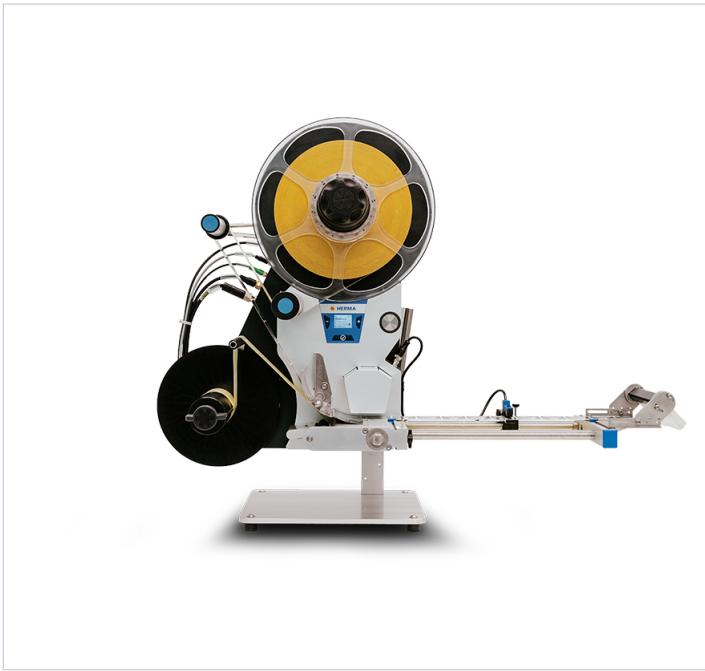
#### Control

Drive technology:	AC servo motor
Control technology:	Fully integrated in the HERMA 500

#### Operating data

Power supply:	100 - 240 V AC, 400 W, 50 - 60 Hz
Operating temperature:	0 - 40° C • 32 - 104° F
Protection class:	IP66

# HERMA eco - Perfect applicator for all standards



Ideal as an economical entry-level device - just like the previous HERMA basic model

Durable, precise and a safe investment

For high-performance labeling at up to 30 m/min with a label width of up to 160 mm

Individually configurable online, with all functions and a wide range of accessories

Easy to operate, can be controlled directly on the device or via a PLC

Exceptional range of functions with master encoder for synchronizing product and labelling speed as well as firmware update option

Easy upgrade to HERMA 500 if required thanks to identical connector types

## A benchmark to get you started

Users appreciated the HERMA basic as an entry-level model among the labelers. The new HERMA eco does not disappoint in this respect either. Amazingly flexible, with high-quality features and easy to use - this is what makes the HERMA eco unique in its class. This is ensured by a compact, robust design, a variety of different dispensing systems and sophisticated functionalities. The HERMA eco also offers the reliable quality of an international technology leader - "made in Germany", with efficient service worldwide. You can access the latest software updates and operating instructions, including tutorials, and order spare or wear parts around the clock via



### A perfect connection

I/O PINs enable automatic power on/power off, separate start of the labeling process and manual pre-dispensing via the system control - particularly advantageous when setting up the applicator. The end of the tape can also be checked as an option. In addition, the printer and peel-off unit have separately controllable connections. For example, a printer can be used in conjunction with a pneumatic transfer unit. What also makes the HERMA eco a safe investment: the mini-USB connection for firmware updates.



### A clever operating concept

Just three large operating buttons, a clear display and a single-level menu structure make operation extremely intuitive and time-saving. This also reduces the time and effort required for familiarization and training. Fine adjustments to achieve optimum labeling results can be made using parameters that are quickly accessible to the operating personnel.





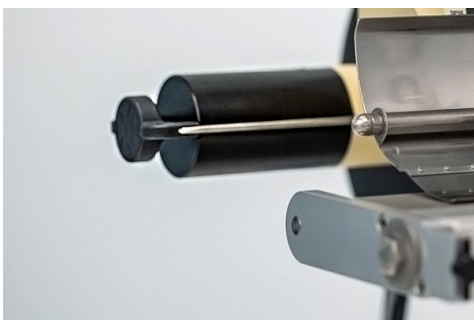
### For exact results

Its master encoder function, by no means a matter of course in the entry-level segment, allows the HERMA eco to achieve particularly precise labeling. This is because the label feed always remains automatically synchronized with the speed of the conveyor belt. This ensures precision, even at different labeling speeds up to a maximum speed of up to 30 meters per minute. Together with the option of integrating a printer, this means that the HERMA eco is well equipped for even simple pharmaceutical or healthcare tasks.



### For long running times

The newly designed winder and unwinder also contribute to accuracy. The high-quality plastic results in a low weight. This means that less inert mass has to be moved. This also benefits the labeling quality. The core for holding the label rolls is the same as in the premium model HERMA 500 and is characterized by high stability.



### For short set-up times

The empty carrier tape is removed from the rewinder quickly and easily by pulling a clamping fork off the rewinding core - a particularly user-friendly and easy-to-handle process.



## Quickly set up label scanning

The HERMA eco uses either a fork light barrier or FS03 sensor to detect labels on the backing tape. Reliable label scanning is therefore guaranteed for all materials. The easily accessible sensor can be taught in quickly at the touch of a button. This saves time, as there is no need to call up a separate menu and start the labeling process.

## Technical specifications

### Label specifications

<b>Label width:</b>	max. 160 mm
<b>Label length:</b>	max. 400 mm
<b>Roll diameter:</b>	300 mm
<b>Core diameter:</b>	76 mm (optional 40 / 45 mm)

### Technical data

<b>Construction:</b>	Left-hand device • right-hand device
<b>Labeling speed:</b>	30 m/min
<b>Label stop accuracy:</b>	± 0.3 mm
<b>Interfaces:</b>	I/O interface • master encoder • start signal • label scanning • printer • transfer system
<b>Labeling functions:</b>	Manual pick-up • Fixed speed • Master encoder operation for precise labeling
<b>Label sensing Sensor type:</b>	Fork light barrier • FS03 for sensing last label and transparent labels
<b>Clear width carrier system:</b>	0 / 20 / 135 / 300 mm
<b>Peel-off edge support:</b>	0° / 75°
<b>Release edge:</b>	Rigid / pivoting pneumatic

<b>Pressure system:</b>	Roller / spring-loaded roller / brush
<b>Start signal Sensor type:</b>	Reflective light barrier
<b>Operation:</b>	Control panel with display and 3 buttons • Button for manual label feed • Language selection • Can be operated with g tape change without tools
<b>Displays:</b>	Display can be rotated 180 degrees • Error messages shown on the display
<b>Service functions:</b>	Function upgrade via code activation • Firmware update via USB
<b>Drive technology:</b>	Stepper motor
<b>Control technology:</b>	Fully integrated in the HERMA eco
<b>Power supply:</b>	100 - 240 V AC, 50 - 60 Hz
<b>Operating temperature:</b>	+10 to +40° C
<b>Storage temperature:</b>	-20 to +80° C
<b>Rel. humidity:</b>	35% to 85%, non-condensing
<b>Max. permissible installation altitude with nominal data:</b>	2,500 m above sea level
<b>Protection class:</b>	IP40
<b>Approval:</b>	CE

**Note:** The list includes some optional accessories.

## You can still rely on it: Our service for the HERMA basic

Technological progress has a lasting advantage: the better beats the good. That is why the HERMA eco is now replacing the HERMA basic. After many successful years worldwide, it will no longer be available from January 2025. But you can be sure that services and spare parts for the HERMA basic will remain available. Because HERMA is a reliable service partner. For the entire life of the product.



# HERMA 500 VFFS / HFFS

## HERMA labeling technology for form fill and seal machines



### Label application at highest performance

Designed for installation in horizontal and vertical form, fill and seal machines:

HERMA 500 VFFS (VFFS - vertical form, fill and seal) for form fill and seal machines with vertical operation

HERMA 500 HFFS (HFFS - horizontal form, fill and seal) for form fill and seal machines with horizontal mode of operation

For [labeling confectionery](#), nuts, snacks, vegetables, pharmaceuticals and much more

The most important advantages at a glance:

Extremely compact for space-saving design

Synchronous labeling speed to form-fill-seal drive

Precise feeding and dispensing of the label

The modular design and unrivalled compactness of the [HERMA 500](#) make it the ideal solution when it comes to installation in the most common form, fill and seal machines, for example. Whether **vertical (VFFS - vertical form, fill and seal)** or **horizontal (HFFS -horizontal form, fill and seal)**: the HERMA 500 fits.

The integrated servo control eliminates the need for a separate control cabinet and / or annoying cable clutter. The applicator and its assemblies are integrated where they are needed. As if it were part of the machine. The applicator speed is precisely synchronised with the film speed at all times. Highly precise.

Simply contact us for a free consultation by phone or email to discuss your project with our experts. You can rely on the expertise of our professionals.



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