

Системы печати и аппликации RA4, RA6, системы для этикетирования без подложки InNo-Liner

Технические характеристики

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2 in 1 –
print and
apply labels

Safety
when it
matters



2 in 1 – print and apply labels

Safe and variable labeling

Safety is the top priority when products or packaging must be labeled with variable data. Uncompromising quality is essential when printing address labels and individual identification labels. Just as with printing and applying complete shipping labels featuring graphics and common code types like data matrix, barcode, QR code, and others. The Print & Apply Systems PA4 and PA6 will not let you down. Designed for rugged industrial use they ensure smooth operation and reliable labeling.



Versatile printing

Resolutions of 200, 300 and 600 dpi for precise readability.

Compatible with industrial printing modules from all common manufacturers.

Flexible application

Several transfer systems and applicators available.

Optional automatic product size recognition.

Efficient operation

Safe transfer of the last printed label.

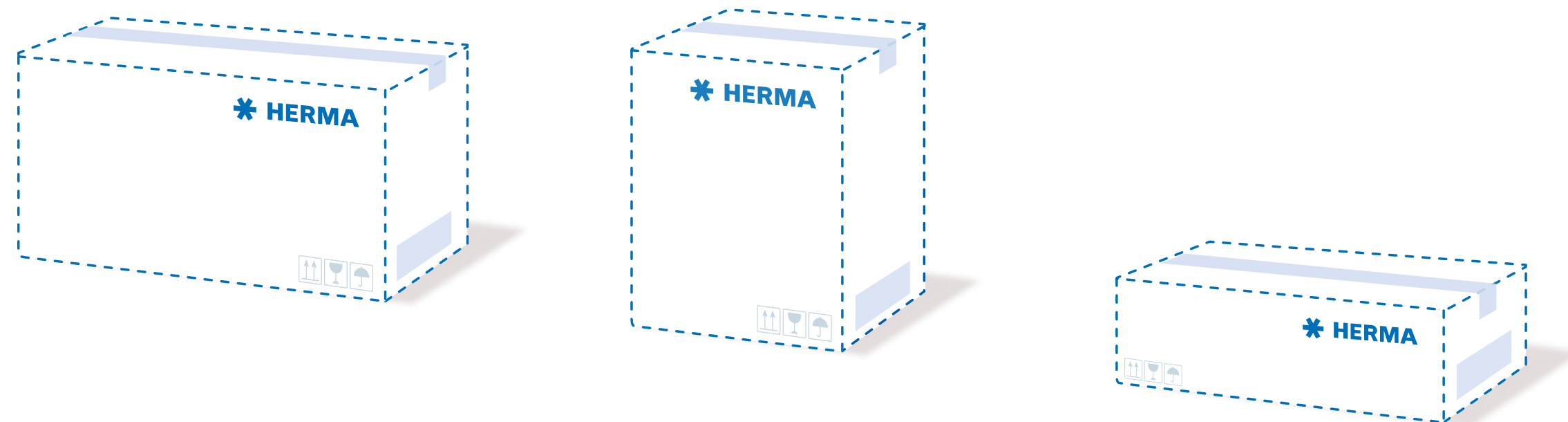
Fast system adaptation thanks to modular design.

Print & Apply Systems PA4 and PA6

As flexible as your requirements

Would you like to label products with different dimensions? No problem. The Print & Apply Systems are prepared and compatible – no matter which type of printer you prefer to use. If required a sensor within the tamp pad will automatically detect the correct labeling height.

And what if the label size varies? The quick-change system of the tamp pad enables time-saving changeovers while the unwinders with up to 700 meters of label supply simultaneously ensure high availability even in continuously operation.



Compatible with a wide range of printer brands.



Print & Apply System



Safe labeling

Label transfer immediately after printing ensures that the label is directly assigned to the respective product. The last label printed is applied.



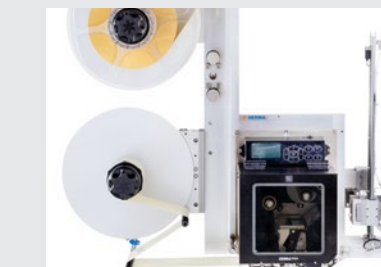
Modular thinking

Proven standard components of the modular system from HERMA ensure reliable label application and easy retrofitting. Those are also used in high-performance machines.



Versatile application

Labels can be transferred either via tamp pad, contactless with a vacuum-blower pad or with a peel plate and application roller. Front side transfer is also possible.



Easy integration

The machines can be positioned in any orientation and offer many integration options for existing production lines e.g. as left-hand and right-hand versions.



Optimal printing

Industrial thermal transfer and direct thermal printing modules from all common manufacturers can be integrated e.g. Zebra®, SATO®, Carl Valentin or Datamax.

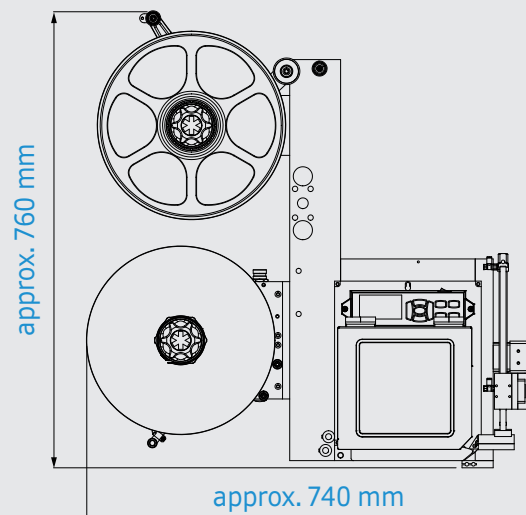


Fast connection

The Print & Apply Systems are equipped with all essential interfaces for industrial data transfer. Print data are provided via a Windows printer driver or design software such as Easylabel®, Codesoft® or Nicelabel®.

Technical data

Printing method:	Thermal transfer • Direct thermal printing
Printers:	Modules of Zebra®, SATO®, Carl Valentin or Datamax
Print resolution:	200 / 300 / 600 dpi
Printing speed:	Up to 300 mm/second
Printing dimensions PA4:	13 - 104 x 13 - 990 mm (W x L)
Printing dimensions PA6:	76 - 168 x 25 - 990 mm (W x L)
Label passage width PA4:	Up to 110 mm
Label passage width PA6:	Up to 180 mm
Label material:	Paper • thermal paper • plastic (PVC/PP/PE)
Reel diameter:	300, 400 mm
Core diameter:	76 mm
Length thermal transfer film:	Up to 600 m
Components:	Pedestal • unwinder • printer • tamp pad • rewinder • signal column • control cabinet with integrated control system
Options:	Digital position indicators • product recognition • WIFI
Interfaces:	RS-232 • USB • Ethernet (TCP/IP)
Power supply:	230 V, 50 Hz, 1 phase
Compressed air supply:	4 bar
Note:	If optional features are chosen, the above data may vary



HERMA InNo-Liner

Yet another
full skip?



HERMA InNo-Liner

How to dispense with liner altogether!

The annual number of parcels sent worldwide already exceeds 100 billion and continues to rise, and practically all of them carry a shipping label.

Achieving economies in the labelling process, which plays a critical role in the logistics chain, gives rise to substantial competitive rewards at the same time. These benefits are multiplied by the HERMA InNo-Liner system, for which a patent application has been filed.

It completely eliminates the hitherto essential siliconised liner.



GERMAN
PACKAGING
AWARD

SUSTAINABILITY

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2019



Instant rewards

Thanks to its universal knowledge base, HERMA offers an end-to-end solution from the outset – linerless label stock alongside an innovative labelling system.

Users instantly benefit from the peace of mind afforded by integrated performance, while label manufacturers are presented with new selling points for marketing their compelling solutions.

Far-reaching effect

Around the world, labelling is an activity which at present generates millions of tons of liner that is completely useless once the labels have been applied.

Avoiding this residual material altogether also entirely eliminates the currently essential and expensive disposal and recycling operations.

Leading edge

The all-new HERMA InNo-Liner system is the product of a pioneering performance by the company and its long-established leading edge in the production of self-adhesive materials based on multi-layer technology.

This advanced applied science demands the simultaneous application of two adhesive layers. The outer layer remains inactive until the label is dispensed.

The new HERMA InNo-Liner system

No liner – no waste disposal



With innovative technology the new InNo-Liner system easily achieves the speed of a Print & Apply system and at any time the usually required cycle speed for the labeling of shipping cartons with A5 or A6 linerless labels.

It's not only a cost-cutting game changer from the perspective of logistics and shipping, but also actively contributes to protecting the environment.

Materials that are not needed from the outset do not give rise to any costly disposal or recycling procedures.



Benefits compared to siliconised linerless

- Highly diverse materials
- Multicolour printing possible
- Various printing techniques possible
- Free from silicone
- Permanent final adhesion
- Accelerated cycle speeds
- Lower costs
- Cut edges do not stick to each other
- Reduced downtimes

Benefits compared to self-adhesive labels

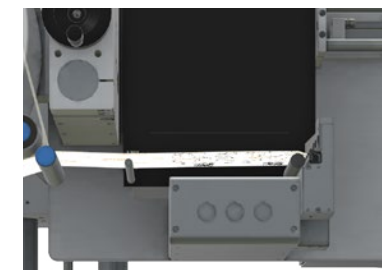
- No liner
- More material on each roll
- Less warehousing space
- Fewer roll changes
- Low transport volume
- More efficient usage
- No waste disposal costs
- Avoidance of torn backing paper
- Lower costs
- Variable label length

Ecological benefits

- No liner waste
- Lower transport weight
- Lower transport volume
- Reduced CO₂ emissions
- Less material consumption*
- Free from silicone

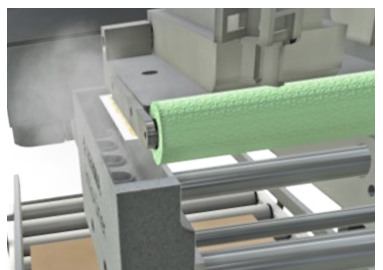
*(No label feed or waste stripping)

Cutting unit



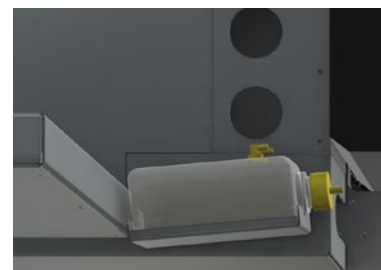
After printing, the label is cut to the desired length. The modified guillotine technique delivers a service life of several million cuts and simple blade changing.

Micro atomising nozzles



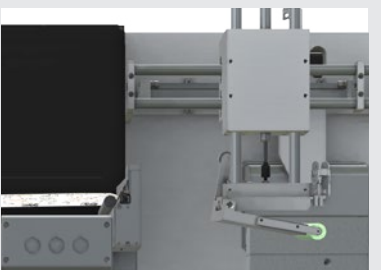
Not until the label is dispensed is the adhesive activated by precise jets of atomised water. The strength of the immediate, uniform and tenacious adhesion enables the label to hold fast for its lifetime.

Water System



The water consumption of the system is extremely low. Filling the water tank is quick and easy. The water partly recovered during the atomization process is filtered and reused.

Linear Unit



A vacuum suction plate with application roller and an integrated sensor for automatic cardboard box height detection result in the safe operating principle. The stroke length of the cylinder is 500 mm.

Material



The 82S adhesive is not at all sticky at first. It is activated within a fraction of a second as the label is dispensed and then immediately and permanently sticks to the substrate. The material offers absolute process reliability. Its stability has been verified both in the climate lab and in practical printing and processing tests.



SUSTAINABILITY
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Technical data Printing and labelling system PA4 / PA6 InNo-Liner

Labeling type:	Top labeling in standstill or throughput
Product specifications:	Rectangular, largely stable in form, absorbent surface
Printing method:	Direct thermal printing • Thermal transfer
Printers:	Modules of Zebra® of series ZE500
Print resolution:	200 / 300 dpi
Label dimensions:	60 - 148 x 80 - 210 mm • 2.4" - 5.8" x 3.1" - 8.3" (W x L)
Capacity:	Up to 20 products/minute
Reel diameter:	300 / 400 / 500 mm • 11.8" / 15.7" / 19.7"
Core diameter:	76 mm • 3.0"
Components:	Pedestal, attachment holder, unwinder, printer, cutting unit, linear transfer unit, tamp pad with application roller, water system, activation unit, control panel
Optional features:	Product height recognition, moveable version, signal column
Water consumption:	1 l/1,000 m ² demineralized water
Interfaces:	RS-232, USB, Ethernet (TCP/IP)
Power supply:	230 V, 50 Hz, single phase
Compressed air supply:	6 bar
Note:	If optional features are chosen, the above data may vary

HERMA InNo-Liner material

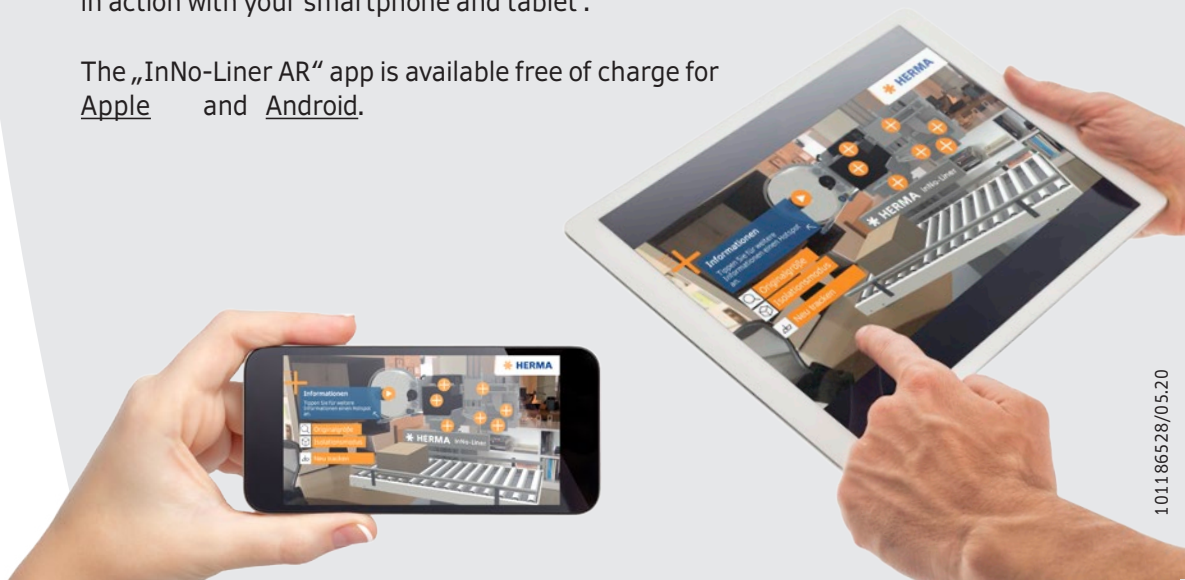
Initial range:	HERMAextracoat (242) / adhesive 82S
	HERMAwhite (601) / adhesive 82S
	HERMatherm G BPA-free (907) / adhesive 82S
	HERMatherm top M (912) / adhesive 82S

InNo-Liner AR

Immerse yourself in the world of Augmented Reality and experience the function of HERMA InNo-Liner – our linerless labelling system. Create it in your real world, at any time and in any place.

With our new app you can now project the system into your desired environment and then experience it in action with your smartphone and tablet.

The „InNo-Liner AR“ app is available free of charge for Apple and Android.





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