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.

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)

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.

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.

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.

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

*No label feed or waste stripping

Cutting unit
Micro atomising nozzles
Linear Unit
Water System
Material
Ecological benefits

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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 m² 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

**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.