HERMA

InNo-Liner

HERMA InNo-Liner

Yet another full skip?

HERMA

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

WINNER 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.

HERMA

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

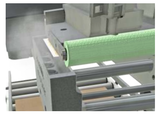
No liner waste
Lower transport weight
Lower transport volume
Reduced CO_2 emissions
Less material consumption*
Free from silicone

*(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.

GERMAN PACKAGING AWARD
SUSTAINABILITY
WINNER 2019

HERMA

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

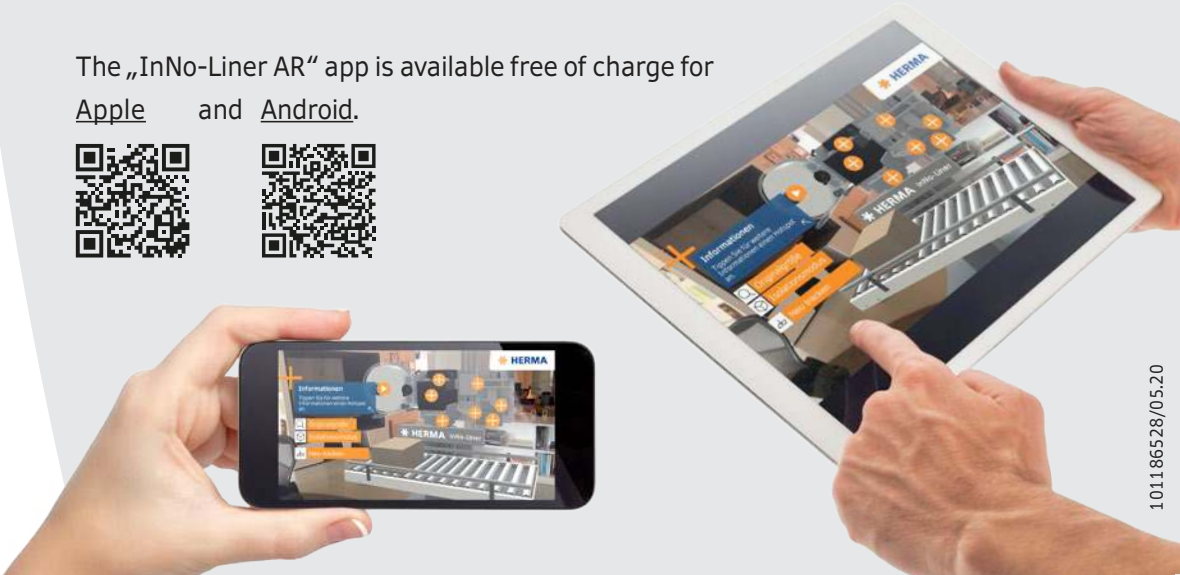
Labeling type:	Top labeling in standstill or throughput
Product specifications:	Rectangular, largely stable in form, absorbent surface
Printing method:	Direct thermal printing • Thermal transfer
Printers:	Modules of Zebra® of series ZE500
Print resolution:	200 / 300 dpi
Label dimensions:	60 - 148 x 80 - 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

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.



HERMA InNo-Liner

HERMA GmbH

Fabrikstraße 16
D-70794 Filderstadt

Tel. +49 (0) 711 / 7702-0

www.herma.com
innoliner@herma.de

10118528/05.20