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Food Processing and
Packaging Machinery

Less material, weight and cost: the recyclable Push Packs from Romanco for tablets

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Romaco offers system solutions for pharmaceutical customers. Together with film specialist Huhtamaki, Romaco has developed a new primary packaging form for pharmaceutical solid dose products. The push packs require significantly less material and are recyclable. Good for the ecological balance sheet.

The recyclable Push Packs

Together with film specialist Huhtamaki, Romaco has developed a new primary packaging form for pharmaceutical solid dose products. The so-called push packs are four-sided sealing strips that can be opened like blisters by pressing the tablet out of the pack with the thumb. Compared to conventional blister packs, significantly less material is required to produce push packs. This is because, with Romaco Siebler's heat sealing technology, even very thin and lightweight films can be processed into air, light and moisture-proof primary packaging. To this end, the technology has been designed for handling composite films with an aluminium layer thickness of 9 µm to 25 µm. With the same barrier properties, a push pack therefore weighs only about half as much as an Al/Al blister. The material savings improve the eco-balance on the one hand and reduce production costs on the other. Push Packs are up to 60 % cheaper than Al/Al blisters.

The latest model of the push-through Push Packs is also made of recyclable polyolefin laminate, which can be disposed of as reusable material and returned to the material cycle. A recycling rate of over 70% is achieved. This is due to the unique structure of the film, which consists of more than 90 %

polyethylene and polypropylene, which belong to the same material class. Regardless of whether the user chooses the standard, barrier or eco version of the push packs, all packaging forms are made of PVC-free material. Due to the low level of air entrapment in the comparatively small cavities of the push packs, the shelf life of the drugs is also extended. The push-through seal strips are available in various geometric shapes and can be printed on both sides. Depending on requirements, the heat-sealing machines of the HM 1 series from Siebler pack 800 to 7000 tablets per minute.

At a glance:

The Push Packs

- are a primary packaging for pharmaceutical solidarity products
- can be opened like blisters
- require significantly less material, which improves the ecological balance and reduces production costs
- weigh half as much and are up to 60 percent cheaper than Al/Al blisters
- consist of recyclable polyolefin laminate, which can be disposed of as a material and returned to the material cycle
- have a recycling rate of over 70 percent



Source: Romaco Pharmatechnik GmbH

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