

Better performance and traceability in blister packaging

The new Unity 600 blister packaging line from Romaco Noack impresses with increased sustainability coupled with the highest possible performance and process reliability. For the first time, the innovative transfer unit of the monobloc enables blisters to be traced back to the primary packaging unit.

Romaco Noack has expanded its state-of-the-art Unity family with the Unity 600 blister packaging line. The new technology leads the way in terms of sustainability, process reliability and performance.

The heart of this monobloc is the innovative transfer unit, which is not only designed for much higher cycle numbers, but also provides more format flexibility as well as better traceability and energy efficiency. All in all, the double-lane high speed line – consisting of a blister machine with rotary sealing and a continuous motion cartoner – achieves a maximum output of 600 blisters and 350 cartons per minute. With a maximum foil width of 304mm, blister packs up to 145mm long and 90mm wide can be processed safely.

For all applications demanding even higher performance, Romaco offers a three-lane version of the Unity 600 with an output of up to 750 blisters per minute.

INCREASED ENERGY EFFICIENCY

With the Unity 600, blisters are transferred to the cartoner via an indexing wheel with a downstream stack transfer unit. The die-cut blisters are removed from the die-cutter by vacuum and placed on the transfer belt to the cartoner by a carousel-shaped shuttle. The vacuum is generated in a venturi process, eliminating the need for a conventional vacuum pump.

Apart from reducing noise emissions, significantly less heat radiation is emitted

Did you know?

The new Unity 600 blister packaging line from Romaco Noack will be on show at interpack in Dusseldorf, Germany from 4 to 10 May.

in the cleanroom – which would have to be cooled down in an energy-intensive operation. What's more, the suction cups of the indexing wheel are only ever active while blisters are being transferred. This means that no air is drawn in erroneously and power consumption is minimised.

BETTER PRIMARY PACKAGING TRACEABILITY

The newly developed stack transfer unit stacks the blisters from below and guides them safely from all sides, ensuring ultra-stable processes that are gentle on the product.

The blister stacks are subsequently positioned one behind the other in the cartoner's bucket chain by so-called stack carriers. Only complete stacks are transferred to the cartoner. For the first time, any compensation of gaps in the process is mapped in the software, so that good blisters no longer have to be held back. As a result, a manual blister top-up magazine can be dispensed.

Blister packs can be tracked and traced seamlessly from the product feeding unit via Romaco Noack's automated transfer system.

FEATURES FOR INCREASED SUSTAINABILITY

Romaco Noack's new Unity 600 was developed according to the principle 'avoidance is better than reduction and is better than compensation'. The aim is to dramatically reduce the carbon footprint of the blister packaging line, during its manufacture and later in operation. For this

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reason, the line ships with an energy monitor that measures power and air consumption and the machine's carbon dioxide emissions during production.

Its smart standby functions enable a reduction in base load without any negative impact on overall equipment effectiveness (OEE). Components made from carbon reduced ASI aluminium and a recycled acrylic glass housing give the line an improved environmental balance. The insulated heating plates of the blister forming station restrict the amount of waste heat in the air-conditioned primary packaging room.



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Stack transfer unit of the Romaco Noack Unity 600



Blister transfer with the Romaco Noack Unity 600's indexing wheel

The cartoner abides by the same principle – Romaco relies on the more sustainable venturi process to produce a vacuum that is essential to pick up cartons and leaflets. Last but not least, the blister line features motors with energy recovery.

The Unity 600 can be supplied on request in a carbon-neutral version. Romaco's offsetting initiatives are undertaken together with Forliance – one of the offsetting partners of

the Alliance for Development and Climate – on behalf of the German Federal Ministry for Economic Cooperation and Development.

WIDE RANGE OF APPLICATIONS

The Unity 600 blister packaging line from Romaco Noack meets all the requirements of the pharmaceutical and nutraceutical industry when it comes to flexibility, quality and performance. The technology is utilised

for the primary packaging of solid products such as tablets, capsules and oblongs, and is suitable for manufacturing sustainable packaging like paper blisters. As a result of short changeover times and excellent line clearance, this GMP compliant line impresses with excellent OEE values. ■

Romaco – www.romaco.com

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Unity 600 Blister Line
Sustainability meets High Performance