

Press Release

Karlsruhe/Germany, 2022-10-05

Romaco at PACK EXPO International 2022

All-in-one solutions for processing and packaging

For the first time, interested trade visitors on the North American continent will have a chance to experience Romaco's climate-neutral Unity 300 blister packaging line in monobloc design, combining cost efficiency with sustainability. The innovative KTP 1X R&D tablet press from Romaco Kilian and the energy efficiency simulation between the sieve bottom and the Innojet ORBITER® for powder drying will be further highlights at the upcoming exhibition.

As a one stop solutions provider, Romaco offers technologies covering the entire process chain from powder processing to final packaging, including granulation, tableting, as well as primary, secondary, and tertiary packaging. All machines are available either as standalone units or as integrated lines. Romaco combines sustainability with cost efficiency – because targeted energy, space and material savings not only reduce manufacturing costs, but also the equipment's carbon footprint. The pharmaceutical machinery manufacturer's technologies ship with an energy monitor for detecting CO₂ emissions and can also be supplied in a carbon-neutral version.

Visitors to PACK EXPO International will have the opportunity to experience the production of paper blisters live on the Romaco Noack Unity 300. This eco-friendly unit dose packaging form is yet another example of how the packaging industry is boosting its sustainability performance. The KTP 1X R&D tablet press from Romaco Kilian, in turn, impresses with very low product consumption and significantly shorter research and development cycles, so that fewer valuable resources are wasted.

Unity 300 blister packaging line from Romaco Noack

The integrated Unity 300 blister packaging line from Romaco Noack is designed for the low to medium speed segment and meets all the requirements for more climate-friendly pharmaceutical production. For the first time, a sustainability monitor with smart standby functions has been implemented to oversee the power and air consumption of the single-track blister line and reduce the base load of the machine without any negative impact on overall equipment effectiveness (OEE). At less than eight meters long, the monobloc is comparatively short, so that carbon dioxide emissions are much lower, especially in the cleanroom for the primary packaging. The space-saving design is due, amongst other things, to a swing-out IPC magazine, which ensures convenient access to the die-cutter behind it in case of format changes. And there is also the option of repositioning the forming foil reel inside the machine. An extremely compact, energy efficient indexing wheel transfers the blisters from the rotary sealing machine to the continuous motion cartoner. All in all, the Unity 300 achieves a maximum output of 300 blisters and, depending on the cartoner, either 200 or 300 cartons per minute. The blister line is fitted with one hundred percent recycled acrylic glass panes and is additionally available in a carbon-neutral version on request. Romaco Noack's quality promise for the Unity 300 is underlined by a three-year warranty on all spare parts, and the manufacturer also guarantees to take back the machine free of charge at the end of its service life in the interests of a circular economy.

KTP 1X R&D tablet press from Romaco Kilian

The KTP 1X is the newest generation of Romaco Kilian's R&D tablet presses for laboratory use. This single-stroke press was designed as an all-in-one instrument for research and development activities. It is suitable for pressing mono-layer, bi-layer and triple-layer tablets as well as tab-in-tab formats. The KTP 1X achieves a maximum output of 1800 tablets per hour and compression forces of up to 80 kN. This versatile R&D press enables the various tableting parameters, such as compression force or the possible tableting speed, to be determined automatically. The smart measurement system evaluates huge amounts of data in next to no time for this purpose. The KTP 1X is moreover capable of replicating any standard rotary press, making it much easier to conduct scale-up trials. In addition to the production of clinical samples, the technology also allows detailed troubleshooting and hence supports process optimization. Thanks to the machine's very good rigidity, the punch position in particular can now be measured more precisely. This

high measuring accuracy goes hand in hand with extremely low product consumption – making the KTP 1X not only cost-efficient but also sustainable. Only a few test series are required to obtain meaningful results because compression studies are highly automated. With its very small compaction area, Romaco Kilian's KTP 1X has a small footprint and is quick and easy to clean – for even greater time and energy savings.

On show at PACK EXPO International in Chicago (Illinois, USA) from October 23 to 26, 2022 (McCormick Place, Healthcare Packaging Pavilion West, Booth W-18030).

For more information on Romaco, visit our website and social media channels: www.romaco.com – [Showroom](#) – [LinkedIn](#) – [YouTube](#)

Romaco Group

Romaco is a leading international supplier of processing and packaging equipment specializing in engineering technologies for pharmaceutical products. The Group provides individual machines, lines and turnkey solutions for manufacturing, filling and packing powders, granulates, pellets, tablets, capsules, syringes, liquids and medical devices. The company also serves the food and chemical industries. Through its various technologies, Romaco is committed to sustainable production and to systematically reducing CO₂ emissions.

The Romaco Group has its headquarters in Karlsruhe (Germany) and operates from five European business sites, with a broad portfolio comprised of seven established product brands. Noack and Siebler (Karlsruhe, Germany) supply blister, heat-sealing and rigid tube filling machines. Macofar (Bologna, Italy) markets technologies for filling sterile and non-sterile powders and liquids. Promatic (also Bologna, Italy) specializes in cartoners, track & trace systems and case packers. Kilian (Cologne, Germany) is a leading manufacturer of tablet presses. Innojet (Steinen, Germany) is in the business of granulating and coating fine solid particles. Tecpharm (Barcelona, Spain) offers tablet coating technologies.

More than 850 highly skilled and committed Romaco employees are dedicated to the development of future product technologies and to the continuous implementation of internal improvement processes. The Romaco Group's multi-brand system solutions are sold worldwide through eight Sales & Service Centers

and a dense network of local agent organizations. Over 12,000 installations delivered by Romaco are currently in use in more than 180 different countries.

The following pictures are enclosed with the press release:

1. Unity 300 blister packaging line from Romaco Noack
Unity-300_Noack_Romaco.jpg



2. KTP 1X R&D tablet press from Romaco Kilian
KTP-1X_Kilian_Romaco.jpg



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