

Press Release

Karlsruhe/Germany, 2023-08-09

Romaco at PACK EXPO Las Vegas

Launch of the new TPR 25 Pilot tablet coater from Romaco Tecpharm

The new TPR 25 Pilot tablet coater from Romaco Tecpharm will be unveiled to trade visitors at this year's PACK EXPO Las Vegas. Romaco, the one stop solutions supplier for processing and packaging, will also be showing the PC 4350 high speed continuous motion cartoner from Romaco Promatic and the smart KTP 1X R&D tablet press from Romaco Kilian.

Romaco will take advantage of this year's PACK EXPO Las Vegas to present an exclusive selection of its processing and packaging technologies. The launch of the TPR 25 Pilot tablet coater underlines the one stop solutions supplier's expertise in laboratory applications. From powder to pallet, the pharmaceutical machinery manufacturer has the right solution for every process step – either standalone or as an integrated line. Thereby, Romaco combines sustainability with cost efficiency: the energy, material and space savings achieved by Romaco machines reduce not only the end customer's manufacturing costs but also their equipment's carbon footprint.

TPR 25 Pilot mobile tablet coater from Romaco Tecpharm for batch sizes from 5 to 100 percent

Romaco Tecpharm is expanding its Optima product family with the TPR 25 Pilot mobile tablet coater. All inlet and exhaust airflow systems required for the coating process have been integrated into this compact pilot-scale unit for simple plug & play commissioning. As a modern all-in-one solution, its applications cover everything from development activities and scale-ups to the production of very small batches. The pilot coater is designed to handle batches weighing anything from 1 to 25 kg, making it suited for an extremely wide batch size range from 5 to 100 percent. The coating pan's enormous flexibility is made possible by fully automated processes requiring no manual adjustments. The TPR 25 Pilot is

equipped with Tecpharm's patented Optima spray arm, which is controlled by a sonar system that automatically adjusts the distance between the spray gun and the tablet bed. Thanks to the spray arm's intelligence, the coater does not have to be stopped and opened to correct the spray distance while the process is running. In addition to this, the extendable Optima spray arm has movable nozzles to ensure the ideal spray angle in any situation. The process air flowing through the tablet bed follows a precisely controlled path, which can be automatically adapted to the level in the drum with the aid of an exhaust flap that opens steplessly. This results in remarkably accurate application of the coating suspension and ultra-efficient drying of the tablet bed. From a sustainability viewpoint, Romaco Tecpharm's TPR 25 Pilot consequently impresses with significantly shorter processing times coupled with lower energy and spray liquid consumption.

PC 4350 continuous motion cartoner from Romaco Promatic with ophthalmic bottles feeding

The PC 4350 high speed continuous motion cartoner from Romaco Promatic is designed for processing a very wide range of products. With its safe product handling concept, the cartoner is perfect for packaging extra-lightweight plastic bottles with small diameters and low filling volumes, such as those used for ophthalmics. A double conical wheel infeed system ensures safe transfer of the bottles to the cartoner even at the machine's maximum speed. The machine can also be configured for feeding ecotrays with vials placed upright. Depending on the requirements, glass vials, tubes, strips, blisters, and countless other products can likewise be packaged quickly and reliably. The Promatic PC 4350 achieves a maximum output of 350 cartons per minute. Its positive carton opening system means there is no friction whatsoever, paving the way for gentle handling, especially where recycled cardboard is concerned. The GMP-compliant balcony design and ergonomic working height moreover speed up safe line clearance. The cartoner's buckets are produced by 3D printing – an exciting first – so that material consumption during the manufacturing process is radically curtailed. Numerous anodized aluminum components and the recycled acrylic glass housing further reduce the cartoner's carbon footprint. If required, Romaco Promatic's PC 4350 can be flexibly integrated into the diverse packaging concepts of the pharmaceutical, nutraceutical, cosmetics, food and chemical industries.

KTP 1X R&D tablet press from Romaco Kilian with digital access to research data worldwide – ready for Industry 4.0

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. Depending on the model, it achieves compression forces of up to 80 kN with a maximum output of 1800 tablets per hour. This versatile R&D press enables the various tableting parameters, such as compression force or the possible tableting speed, to be automatically determined. The smart measurement system evaluates huge amounts of data in next to no time for this purpose. The KTP 1X is moreover capable of simulating 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 extremely 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, which is why the KTP 1X is not only very accurate but also cost-efficient and sustainable. Only a few test series are required to obtain meaningful results because the compression studies are highly automated. With its very small compaction area, the machine has a small footprint and is quick and easy to clean – for even greater time and energy savings. What's more, the KTP 1X ships with a data module that gives users access to raw measurement data worldwide at any time, even when the tablet press is not in operation.

On show at PACK EXPO in Las Vegas (Nevada, USA) from September 11 to 13, 2023 (Las Vegas Convention Center, Booth SL-6708).

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 is part of the Truiking Group, a globally operating high-tech enterprise based in Changsha (China). Truiking's core competency is handling and filling pharmaceutical liquids.

Romaco 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 nine 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. TPR 25 Pilot tablet coater from Romaco Tecpharm
TPR-25-Pilot_Tecpharm_Romaco.jpg



2. PC 4000 continuous motion cartoner from Romaco Promatic
PC-4000_Promatic_Romaco.jpg



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



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