

Press Release

Laupheim, May 28, 2024.

High flexibility meets sustainability: Uhlmann Pac-Systeme opts for innovative cartoning line

Laupheim, May 28, 2024. Less resource consumption and lower CO2 emissions, more flexibility, efficiency and product safety: the requirements of pharmaceutical companies for the packaging of parenterals are becoming increasingly versatile and complex. With its Parenteral Tray Centre 200 cartoning line, Uhlmann Pac-Systeme offers an innovative solution that safely packs ampoules, vials, syringes, pens and other devices in sustainable, recyclable plastic or cardboard trays and folding cartons. Uhlmann Pac-Systeme will be presenting the PTC 200 in a live demonstration at Achema 2024.

Flexible line design with up to six feeders

Werner Blerch, Strategic Product Manager Parenteral Packaging at Uhlmann Pac-Systeme, says: "The aim of product development at Uhlmann is to make our packaging solutions highly flexible so that our customers can process different parenteral product shapes and sizes as well as different packaging materials and shapes reliably and efficiently. With the Parenteral Tray Center PTC 200, this can be easily implemented, with a high degree of automation and digitalization." Thanks to the modular machine concept, the PTC 200 is able to produce a wide range of product configurations with high efficiency. Syringes, ampoules, vials and associated accessories such as adapters or leaflets are packaged quickly and reliably with up to six feeders. With optimum settings, up to 200 trays or folding cartons per minute are possible. An efficient stacking unit allows several trays to be stacked on top of each other and then inserted into a folding carton. This makes the PTC 200 particularly compact and efficient.

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More sustainability through environmentally friendly cardboard trays

Usually, parenterals are secondarily packed in sealed blisters or unsealed – plastic trays and then inserted into folding cartons together with the package insert. The growing importance of parenterals and the desire for more sustainability, however, require alternative packaging solutions that are not only safe and efficient, but also convincing in terms of CO2 balance and resource consumption. Packaging made of mono-materials such as cardboard is not only environmentally friendly but also versatile. With the PTC 200, Uhlmann now offers a flexible "direct-in-carton" solution that can pack both in cardboard trays and in conventional plastic clamp blisters. The ability to handle a wide range of product formats and pack sizes means that pharmaceutical companies can adapt their production completely flexible to meet the requirements of the market. In addition, the intelligently designed changeover process allows particularly fast batch changes.

Integrated track & trace and gentle product handling

Especially with parenterals, seamless monitoring and gentle product handling are indispensable. The PTC 200 is controlled via a human/machine interface that uses the SmartControl operating system and can be integrated into the Pexcite software platform. Using the platform, which also offers special Track & Trace-solutions, each individual product can be tracked seamlessly via a UDI code (unique device identification) – from production to the pallet – in the interest of patient safety. The UDI code also ensures the detection of a defective product. In this way, instead of the complete packaging unit, only individual products are disposed of thereby reducing waste. Furthermore, gentle product handling across all machines enables high machine availability and low downtimes.

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MORE INFORMATION

www.uhlmann.de

ABOUT UHLMANN

Uhlmann Pac-Systeme GmbH & Co KG is one of the world's leading system suppliers for the packaging of pharmaceuticals in blisters, bottles and cartons. In addition to its innovative packaging lines, Uhlmann offers consulting, project management, comprehensive services and digital solutions from a single source. The company is part of the Uhlmann Group, which generated sales of EUR 412 million in the fiscal year 2022/23 with around 2,600 employees. Other companies in the Uhlmann Group are KOCH Pac-Systeme, Cremer Spezialmaschinen, Wonder Packing Machinery and Axito.

More at: <https://www.uhlmann.de> and at www.uhlmann-group.com.

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The PTC 200 Parenteral Tray Center is characterized by its extremely high flexibility in terms of packaging material and product shapes: It processes sustainable carton packaging, cardboard and plastic trays. (Source: Uhlmann)



Combination packaging made of mono cartonboard material: Cartonboard is one of the most sustainable forms of packaging. With the PTC 200, Uhlmann Pac-Systeme offers the optimum solution for packaging parenterals completely in cartonboard, from the tray to the outer packaging, safely and in compliance with regulations.

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