

Press release

Laupheim, July 02, 2021

Uhlmann Group creates new opportunities for customers with innovative solutions

The companies of the Uhlmann Group are distinguished by their capacity for innovation. The developers at the individual companies aspire to transform the changing requirements of their target sectors into technically and economically optimal solutions. The digital cold chain tracking solution from Uhlmann Pac-Systeme, the high-speed seed counting machine from Cremer or the high-frequency sachet packaging machine from Wonder Packing are outstanding examples of the innovative expertise of the group in 2020. With a research and development quota of 5.7 percent, the Uhlmann Group is significantly above the federal German average of 3 percent.

Digitalization brings even more innovative momentum

Even today, the digitalization of processes and the productive use of large quantities of data play an important role for the Uhlmann Group. Especially in the area of tracking, logistics and product safety, not only can established production and logistical processes be accelerated or automated to a great extent with the new digital possibilities – digitalization also makes completely new solutions, products and services possible. With further investments in this area, the Uhlmann Group is significantly accelerating the innovative drive once more. The aim is to help users design their own sustainable and future-proof packaging and logistics processes and open up further markets.

Reliably monitoring cold chains: Cold chain tracking for COVID-19 vaccines

The extremely fast development of effective vaccines against COVID-19 is definitely one of

Contact

Uhlmann Group Holding GmbH & Co. KG | Uhlmannstrasse 14-18 | 88471 Laupheim, Germany | +49 7392 702 4000 | info@uhlmann-group.com | www.uhlmann-group.com

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the greatest medical and pharmaceutical achievements of the 21st century. Packaging and logistics of the sensitive active substances are similarly challenging. A maximum of 48 hours in 14 days is the time frame for which one of the new COVID-19 vaccines is permitted to be out of the cold chain during the filling and packing process. A demonstrably safe cold chain is therefore essential for the effectiveness and safety of the vaccine. For this purpose, one of the leading international pharmaceutical companies relies on the digital cold chain tracking developed by Uhlmann Pac-Systeme GmbH & Co. KG. It monitors the cold chain throughout the entire process – from delivery of the vaccine to eventual freezing of the packed vials.

Digital cold chain tracking offers significant advantages compared with conventional manual procedures: Digital monitoring of the cold chain is much more precise and provides real-time reporting. It can be used to detect critical batches early, allowing them to be given preferential treatment or at least be removed as soon as possible. The reporting can be viewed at any time, even from outside of production. Cold chain tracking from Uhlmann can also be integrated into the existing "Track & Trace" process, which has already been an essential component in pharmaceutical production for comprehensive counterfeit protection, product safety and process reliability for a very long time.

Efficient and safe packaging of parenteral products

So that the valuable ampoules also arrive safely at their user, everything must be right as early as the packaging in cartons or blistering stages. With the BLU 200 and BLU 400 blister machines and the "Direct in Carton" solutions, Uhlmann Pac-Systeme sets standards in safety and productivity in the secondary packaging of parenteral products. The machines work fully automatically – heating, forming, embossing, sealing and perforating stations are automatically aligned. The machine is controlled via SmartControl. The graphic user interface

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is intuitively designed so that the machine operators can quickly familiarize themselves with it and set up the machine themselves in the event of format changes.

Count faster, more precisely and more reliably: Cremer counting and packaging systems

You wouldn't think it as seeds are often small, but premium seeds can be very expensive. How many seeds actually fill one packaging unit is therefore an important factor in quality management of agro-industrial production and logistics. With the new seed counting machine from Cremer, not only can packagers be sure that the figures are right, the machine also counts extremely quickly. With 12,500 seeds a minute, it holds the current record. Optimized for minimal space requirements, the counter can also be integrated into the packaging line if space is limited, and even supplemented with a second module. All contact surfaces can be removed without tools in one to two minutes, meet the hygiene standards of the food and pharmaceutical industry, and can be easily cleaned. The counter was developed in collaboration with the seed manufacturer Syngenta.

The new counting machine for washdown technology in the food industry specializes in high application flexibility with extreme hygiene requirements. With a modular design, the machine can be easily adapted to different foods and forms of packaging. The washdown modules are optimized especially for challenging environments, such as in the meat or fish processing industry. All components that come into contact with meat or fish can thereby be removed without tools. The complete counter can be cleaned without any hassle with a low-pressure water hose and minimal use of cleaning agents.

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High-frequency sachet packaging solution for the Chinese market

With 900 sachets or 120 cartons a minute, the new sachet packaging line from Wonder Packing takes the top position in the Chinese market. Precision and uniformity are guaranteed through the automatically controlled servo drives. The new machine series combines the high speed with high process reliability. The machines automatically detect empty sachets and reject them, check sealing and can identify the barcodes of cartons or sachets. The graphic control interface is optimized for intuitive operation, so that the operators can quickly and easily familiarize themselves with it and make adaptations themselves.

Innovative communication regarding innovative machines

The engineers of Koch Pac-Systeme were even presented with the German Innovation Award 2021 for the innovative machine concept of the KBS-C medplus blister machine. What sets this machine apart is its extremely high flexibility in the event of frequent format changes and its minimal space requirements. The target group of the new model is packagers of medical technology products, pharmaceuticals and diagnostic products, who want to blister different formats and products in small or medium batch sizes with fast changeovers.

With the "KOCHlive 2021" digital event, the company based in Pfalzgrafenweiler has also developed an innovative alternative to analogue trade fairs. On its own online platform, not only can interested parties find out about product innovations, experts from Koch Pac-Systeme also speak in ten webcasts about the significant trends in the packaging industry, sustainable packaging, protection against trademark counterfeiting, digital solutions, services and much more. Details of the online event are communicated via newsletters and LinkedIn marketing.

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FURTHER INFORMATION

www.uhlmann-group.com

ABOUT UHLMANN

The companies Uhlmann Pac-Systeme, KOCH Pac-Systeme, Cremer Specialmaschinen, Wonder Packing Machinery and Axito are part of Uhlmann Group Holding GmbH & Co. KG. In 1948, Josef Uhlmann founded the original company of today's group, Uhlmann Pac-Systeme GmbH & Co. KG, in Laupheim. Building on core skills in the field of pharmaceutical packaging solutions, the companies of the Uhlmann Group today offer a wide range of high-tech packaging machines, services and digital solutions for the pharmaceutical, health, consumer goods, food and agricultural markets. Represented at 19 locations in 14 countries across the world, the Uhlmann Group achieved a turnover of 423 million euros in the 2020/21 financial year with more than 2500 employees.

Find out more at: www.uhlmann-group.com

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