

Press release

Syntegon Technology

Syntegon at CPHI Barcelona: new solutions for small and micro batches

- Market launch: gloveless, Annex 1-compliant production cell Versynta microBatch
- Synexio: cloud-based software solution offers seamless data transparency
- Xelum feeder-blender module and TPR 200 Plus: the new way of continuous direct compression

Waiblingen (Germany), September 12, 2023. At [CPHI Barcelona 2023](#), [Syntegon](#) will showcase new developments for the filling and processing of small and micro batches. Equipment designed specifically for small batch sizes is in high demand not only for research and development, but also for the commercial production of liquid and solid pharmaceuticals. Visitors to booth 3S50 will see two innovations from Syntegon: [Versynta microBatch](#) and the [TPR 200 Plus](#). In addition, the cloud-based software solution [Synexio](#) will be connected to Versynta microBatch.

Market launch: Versynta microBatch live on show

Following the first digital presentation of the new Versynta microBatch at Achema 2022, the official market launch will follow at CPHI Barcelona: "Pharmaceutical and biotech companies require increasingly flexible equipment for new, highly effective drugs, including new developments in cell and gene therapy, for ever smaller patient groups," says Klaus Ullherr, Senior Product Manager at Syntegon. "Maximum product yield and fast changeovers are paramount, especially for very small batches. We will demonstrate how the Versynta microBatch meets these requirements live at our booth."

The fully automated production cell, which already won the [German Packaging Award](#) in 2022, fills between 120 and 500 syringes, cartridges, and vials made of glass or plastic per hour with virtually no product loss and with 100 percent in-process control. Five integrated inline inspection systems ensure continuous process monitoring and provide particular safety by inspecting tubs, stoppers, and caps. Requirements of the new [Annex 1](#) were also taken into account during development. For example, the gloveless isolator with integrated air management significantly reduces the risk of contamination. Optional network cameras facilitate continuous remote production monitoring in the isolator.

Synexio: demonstration and sneak preview

The cloud-based software solution Synexio is also on show at CPHI. It enables the collection, evaluation, and visualization of machine and production data. "In addition to the visualization of KPIs and machine availability and the identification of concrete improvement potential, visitors will get a first glimpse of the third Synexio package called 'Empower'. It includes component monitoring, which we will demonstrate using specific use cases," says Elisa Hein, Product Manager Expert Services at Syntegon. Synexio is part of Syntegon's [Service Agreements](#), which form the basis for effective equipment and maintenance management at fixed prices. "For new machines, we initially recommend level 4 from the seven available levels," Hein explains. This includes all preventive maintenance work as well as training.

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The new way of continuous direct compression

The trend towards small batches also accounts for the production of solid oral dosage forms. The [Xelum](#) platform offers continuous solutions, from fluid bed granulation to direct compression. In both cases, the same feeder-blender module can be used. In the configuration shown at the booth, the module doses and mixes individual packages, so-called X-keys. They ensure easy traceability and precise dosing, even and especially for active ingredients of less than 1%. Losses caused by starting and stopping are eliminated. The packages are continuously fed into the [TPR 200 Plus](#) tablet press, which enables efficient and user-friendly downstream processing. It features a light containment concept with dust-tight machine protection up to OEB 3. With the APD feeder, including automatically adjustable powder infeed in the filling shoe and the APD software, manufacturers can determine the optimum parameters for the formulation feed into the die.

SVP process systems: maximum flexibility

Versatility is a key characteristic of Syntegon's portfolio for liquid pharmaceuticals. This includes the [Pharmatec SVP process systems](#) for the formulation of small-volume liquid pharmaceuticals in batch sizes from 13 to 3,000 liters, which will be displayed as 3D model at CPHI Barcelona. Thanks to their standardized modular design, the process systems can be adapted to a wide range of production needs. With the latest addition to its portfolio – the highly modular, fully automated SVP Essential – Syntegon offers pharmaceutical manufacturers a cost-effective alternative with maximum flexibility and short delivery times.

Meet the Syntegon experts from October 24 to 26 at CPHI Barcelona, booth 3S50. For further information and tickets or to schedule a meeting, please visit our [website](#).

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Images



The fully automated production cell Versynta microBatch from Syntegon fills between 120 and 500 containers per hour with virtually no product loss.



The cloud-based software solution Synexio from Syntegon enables the collection, evaluation, and visualization of machine and production data.



The Xelum platform with feeder-blender module and the TPR 200 Plus offer pharmaceutical manufacturers a continuous solution for direct compression.



Thanks to their standardized and modular design, the Pharmatec SVP process systems can be adapted to a wide range of production needs.

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About Syntegon

Processing and packaging for a better life – this is what 5,800 Syntegon employees work for every day. Be it with individual machines, systems, or services, Syntegon helps its customers in the global pharmaceutical and food industries to improve people's lives. The company, which is headquartered in Waiblingen, Germany, looks back on more than 160 years of experience and achieved annual sales of 1.4 billion EUR in 2022. In the pharma sector, the company's intelligent solutions enable the safe and high-quality production, processing, filling, inspection, and packaging of liquid and solid pharmaceuticals. In the food industry, Syntegon's flexible and reliable technologies produce and pack confectionery, dry food, frozen food, and dairy products. With 1,100 service experts and a comprehensive service portfolio throughout the entire machine lifecycle from spare parts management to digital line optimization, Syntegon lays the foundation for smooth production processes for all customers. More than 35 sites in almost 20 countries keep a firm eye on Syntegon's impact on the environment and society. Syntegon is a leader in the development of sustainable packaging solutions, reduces the energy consumption of its machines and pursues ambitious goals to lower its emissions. www.syntegon.com