**Press release**

Syntegon Technology

interpack 2023: Digital solutions for liquid pharmaceutical processing from Syntegon

* Digital solutions provide significant time savings and safe processes
* Synexio Uptime supports the identification of optimization potential
* Modular and flexible: RMA assembly machine for clinical trials and small batches

Waiblingen, Germany, March 14, 2023. At this year’s [interpack](https://www.interpack.de/), [Syntegon](https://www.syntegon.com/de/) will provide insights into the future of liquid pharmaceutical processing. The expert for process and packaging technology has equipped the proven ALF 5000 filling and closing machine with smart functions: from individual container tracking and an intelligent piston pump to AR-supported format changes, visitors will gain an overview of current solutions. Syntegon will also present the next stage of its cloud-based software solution Synexio, which makes it easier to identify potential for equipment and process optimizations.

**Heading towards the factory of the future**

“The future of the pharmaceutical industry lies in increased automation and digitalization. Manufacturing companies need solutions that process the huge amounts of partially unused data for process optimization,” explains Daniel Sturm, Product Manager Automation at Syntegon. At interpack, the ALF 5000 filling and closing machine will demonstrate current possibilities and future potential. Amongst others, eight filling stations will show visitors which filling systems – from single-use to intelligent piston pumps – can be used with different degrees of automation.

**SODA: traceability of primary packaging containers**

Syntegon’s Single Object Data Acquisition (SODA) system will also be displayed on the ALF 5000. It assigns all object and process-specific data of primary packaging materials to individual batches and containers – even after they have left the machine. In combination with the smart containers EVERIC© smart from primary packaging manufacturer SCHOTT, SODA offers a very special advantage: the pre-coded containers are already equipped with a unique data matrix code that can be read via cameras. “Valuable information collected during production is assigned to individual containers and can be traced in a structured manner. This opens up a wide range of possibilities for our customers to make their production even safer and to take targeted action in the event of complaints,” says Sturm.

**Significant time savings and higher process reliability thanks to digital solutions**

The ALF 5000 also features an intelligent piston pump – the “Smart Pump” from Syntegon. “The pump always carries its memory with it on an RFID chip, even when it is not installed in the machine,” Sturm explains. “The system automatically recognizes the pump, for example after cleaning – which significantly increases process reliability, reduces human error, and saves a lot of time in ongoing production.” The AR solution with HoloLens glasses also ensures considerable time savings as well as fast training of inexperienced staff. Format changes can be carried out faster thanks to guided operator support. Errors during ongoing production are displayed immediately in the field of view along with virtual support.

**Synexio: Data transparency at all times**

The new cloud-based software solution Synexio enables the acquisition, evaluation, and visualization of equipment and production data. The entry-level package “Monitor” visualizes various KPIs and creates greater transparency in production. “Our customers are already successfully using the basic package. Now it is time for the upgrade to the next level,” says Elisa Hein, Product Manager Expert Services at Syntegon. At this year’s interpack, Syntegon will present the second Synexio package “Uptime”. “We go deeper into detail with Uptime: in addition to machine availability, concrete potential for improvement can now also be determined, for example by visualizing the most frequently occurring reasons for stops,” Hein explains.

Synexio is part of Syntegon’s new Service Agreements, which form the basis for effective equipment and maintenance management at fixed prices. Seven dedicated levels enable customers to minimize production risks, make service costs more transparent, and simplify complex processes – enabling them to focus on their core business. With each level, the scope of the covered services increases, from basic service including inspection and remote service to guaranteed production performance of their machines.

**The highest flexibility all along the line**

The flexible Service Agreements are available for all machines from the Syntegon portfolio. This also accounts for the modular RMA (Range Manual Assembly) assembly machine for auto-injectors, pens, safety devices, and other medical devices. The pilot unit for clinical trials and small batch sizes exhibited at interpack features a workstation for manual loading and unloading of components and devices; all other process steps are carried out automatically. This way, the manual workstation achieves an output of one to three devices per minute. In addition, the hygienic design and fast format changes ensure maximum flexibility.

Versatility is also a key characteristic of Syntegon’s further portfolio for the production and processing of liquid pharmaceuticals. This includes the SVP process systems for the production of small-volume liquid pharmaceuticals, freeze dryers including a loading and unloading system, as well as flexible inspection solutions.

**Learn more about Syntegon technologies and services and meet the experts from May 4 to 10 at interpack 2023 in Duesseldorf. Visit us at booth A31 in hall 6.**

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**Images:**

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| **Ein Bild, das Gerät enthält.  Automatisch generierte Beschreibung** | Visitors to interpack can experience Syntegon’s new smart functions on the proven ALF 5000 filling and closing machine.  Thanks to the new cloud-based software solution Synexio, machine availability as well as concrete improvement potential can be determined.  Syntegon’s RMA (Range Manual Assembly) pilot plant is a highly flexible assembly station for auto-injectors, pens, safety devices, and other medical devices. |

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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 2021. 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 30 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](http://www.syntegon.com)