

Press release

Syntegon Technology

Anuga FoodTec: New bottle filling machine expands Ampack's portfolio

- Neck-handling enables faster format changes
- Special dosing process for low-foaming filling of sensitive products
- High machine availability thanks to time-saving cleaning and maintenance

Königsbrunn (Germany), February 27, 2024. Ampack is breaking new ground in the filling of liquid food: the Syntegon company is completing its modular portfolio with the flexible FBL filling machine for preformed HDPE, PP, and PET bottles. With this expansion, Ampack is consolidating its position as a world market leader for aseptic applications. In addition to baby food and clinical nutrition, the newly developed machine can also be used to gently fill milk- and plant-based drinks, dairy products, and soups. "The FBL enables flexible and hygienic production," says Oguz Karcier, Product Manager at Ampack. "The basis for this is a neck-handling system adapted to the FBL for fast bottle format changeovers, as well as an innovative hygiene and maintenance concept." At Anuga FoodTec from March 19 to 22 in Cologne, Ampack will be providing comprehensive information about the new technology, which continues the success story of proven filling and sealing machines for preformed cups in clean to aseptic executions.

Modern handling

Liquid and viscous foods abound, each with different packaging requirements. The preformed bottles available to manufacturers are equally versatile – options include different materials, such as HDPE (for particularly high barrier protection), PP, and PET. With the FBL, Ampack is launching a multifunctional machine that fills bottles of all three materials with volumes between 50 ml and 1,500 ml in a time-saving manner.

To this end, Ampack has further developed a neck-handling system for the FBL to ensure faster bottle format changeovers. The bottles, which have been set up and checked for leaks in advance, are fed into the carrier plates via a gripper. The device grips the bottles by the neck and can quickly insert different bottle types into the carrier plates. Even collapsible formats, such as bottles with enteral nutrition, can be transported reliably thanks to neck-handling. "The system can be adapted to different bottle formats in just a few steps, enabling efficient transportation," explains Karcier. A simple maintenance concept significantly enhances productivity: movable dosing stations support efficient inspection and maintenance of critical components.

Gentle dosing

Ampack has also redesigned the dosing stations. In addition to several fillers for highly sensitive and easy-to-dose products, the FBL offers gentle product filling. "Some liquid foods, such as clinical nutrition, foam a lot during filling. We have developed a special dosing process to prevent this. The result is low-foaming filling for the highest possible output," emphasizes Karcier. Depending on the filling volume, the FBL can fill up to 36,000 bottles per hour. The bottle-filling machine also features the tried-and-tested SmartFill dosing concept, boasting high filling accuracy and simple handling.

Chairman of the Supervisory Board: Marc Strobel
Managing Directors: Torsten Türling,
Dr. Walter Bickel, Dr. Peter Hackel

Phone +49 7151 14 0
E-Mail press@syntegon.com
Website www.syntegon.com/press
Twitter @Syntegon

Visitor address
Stuttgarter Straße 130
71332 Waiblingen

Syntegon Technology GmbH
Postfach 11 27
71301 Waiblingen
GERMANY

Highest hygiene standards

With the FBL, Ampack has prioritized product safety. Thanks to its design in accordance with 3-A requirements, the filling and sealing machine meets the highest hygiene standards. This is further ensured through its innovative hygiene concept, which also increases production intervals – thanks to long-lasting sterility. For the reliable filling of sensitive products, the FBL separates production and mechanics in keeping with Ampack's innovative tunnel design: the machine is equipped with an additional sterile chamber to minimize the risk of food contamination and enable greater product protection.

The FBL can be seamlessly combined with other systems. Like all Ampack systems, the filling machine has interfaces that allow easy integration with upstream and downstream machines, both mechanically and electronically. As a system provider, Ampack provides complete bottle-filling lines as well – from bottle production to screwing, sleeving, film shrinking and secondary and tertiary packaging.

Find out more about Ampack's technologies and services and meet the experts at Anuga FoodTec in Cologne from March 19 to 22. Visit Ampack at booth D080, hall 7.1.

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Images



Thanks to its flexible handling and sterilization system, the FBL fills different bottle formats and materials without damaging the product.



The FBL is the latest innovation to Ampack's portfolio, which also includes filling and sealing machines for preformed cups in clean to aseptic executions.



To fill sensitive products safely, the FBL separates production and mechanics in accordance with Ampack's innovative tunnel design.

Contact

Jela Grubesa
Spokesperson Product Communications Food
+49 7151 14-2159
jela.grubesa@syntegon.com

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