

Press release

Syntegon Technology

Syntegon showcases turnkey solutions for the confectionery industry at ProSweets

- Syntegon presents innovative Makat BC96 Oiling drum with recipe management, centerlining, automation and process monitoring as well as operator guiding
- SVX Duplex – high speed vertical packaging with up to 600 bags per minute
- Syntegon offers complete line solutions for the confectionery industry, from kitchen up to primary and secondary packaging

Dierdorf (Germany), January 10, 2024. At ProSweets, Syntegon showcases their system competence for the confectionery industry – from kitchen, depositing, and finishing technologies to packaging solutions in hall 10.1 at booth H-009. Visitors to the booth will be able to experience highlights of the line solution, such as the fully automated oiling drum Makat BC96 that will be presented on a show for the first time. Moreover, Syntegon presents its high-speed vertical packaging innovation SVX Duplex. This can be experienced during live demonstrations on the booth.

Fully automated oiling process: Makat BC96 series for next level production

The more process steps manufacturers automate, the more stable and reliable their production becomes. Product finishing is the last process step during the production of gummies and jellies – but not less important than the previous process steps. It still influences the quality of the packaged gummies in the shelf. “Many confectionery producers are facing the challenge of varying product quality and line performance in different production shifts as well as a lack of skilled personnel. Centerlining features and automation can help to overcome this issue, not only for the kitchen or depositing line, but also for the finishing equipment. That was our motivation to develop our new Makat BC96” declares Dr. Sandra Link, Product Manager at Makat.

The fully automated oiling drum Makat BC96 has several centerlining features and recipe management for a lower process variability. Via a Human Machine Interface (HMI) operators can set individual target values for the different production parameters and save them in a product recipe to call up the data as required. This way, gummy and jelly manufacturers can achieve more reliable processes, which not only lead to a higher product quality, but also to a higher OEE, reduced product waste and fast product changeovers. Furthermore, it enables product specific parameter settings and individual treatment of the gummies.

Sensors facilitate process monitoring and preventive error detection at the oiling process. Integrated software immediately detects deviations and reports them to the operator. “This allows operators to keep supervising their processes and avoid process disturbances or at least to early initiate troubleshooting. For a continuously high product quality and a running production.”, explains Sandra Link.

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

For further support of the operator the BC96 features an operator-guiding-system. Integrated step-by-step-instruction facilitates for example the start of production or pre-defined cleaning procedures.

Recipe management, centerlining, automation and process monitoring as well as operator guiding of the Makat BC96 align all towards shared goals: an enhancement of the process reliability, a higher quality of gummies, less waste and a high uptime of the machine.

The future of vertical packaging is here

The SVX Duplex is part of the vertical SVX series launched by Syntegon during Interpack 2023. It is the go-to machine for high speed vertical packaging with an output of up to 600 bags per minute.

The core innovation of all SVX variants is a cross-seal drive consisting of four independently controlled servo motors. The optimized solution, which currently has pending patents, gives manufacturers full control over the vertical and horizontal movement, ensuring reliable seals. Thanks to a combination of four motors and low inertia, the drive contributes to achieving highest outputs. "Customers are always looking for solutions that can produce reliably tight cross seals for added product safety. The SVX makes sure this is the case without compromising on speed. Depending on the bag parameters as well as the dosing of the product, the SVX Duplex has an output of up to 600 bags per minute with two film lanes," Martin Boutkan explains.

In terms of design and overall aesthetics, the SVX series also stands out: a front cylinder with curved sliding doors redefines machine manipulation and ease of access. Upon opening, the doors relocate to the back part of the cylinder, making sure they do not obstruct operators during the daily work. And with a machine width of only 1,220 mm the SVX Duplex can easily be integrated in a new and existing packaging lines.

When it comes to optimal performance Syntegon's vast array of Service Agreements helps food producers ensure efficient start-up and smooth production at all times. In order to strengthen the partnership with SVX customers, Syntegon offers its Service Agreement packages which comprise proven Syntegon services for all maintenance needs at a fixed price.

Learn more about Syntegon technologies and services and meet the experts from January 28 to 31 at ProSweets 2024 in Cologne.

Syntegon supports manufacturers in the efficient processing and primary and secondary packaging of confectionery with a comprehensive range of consulting services. For a personal exchange with the confectionery experts, visit Syntegon in hall 10.1 at stand H-009 at ProSweets.

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The fully automated oiling drum Makat BC96 comes with several centerlining features and recipe management for a lower process variability.



The vertical packaging machine SVX features a cross-seal drive consisting of four independently controlled servo motors, giving manufacturers full control over the vertical and horizontal movement.



At ProSweets, the SVX Duplex is integrated in a complete line with the robotic pick-and-place solution RPP and the Kliklok ACE carton former.

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