



SMI SOLUTIONS FOR INDUSTRY 4.0 NEW CSK COMPACT PACKERS

From process to packing and packaging technologies, from ingredients to food safety and quality management, up to logistics and handling.

All this and much more is Anuga FoodTec, taking place in Cologne -Germany from 20 to 23 March 2018.

SMI, as supplier for businesses operating in the food sector, will attend this important appointment in order to showcase the latest developments in the packaging sector, resulting from continuous investments in new products and technologies, so as to provide users a proper innovative support for facing the market challenges.

Thus, the companies operating in the food and beverage sector have to show strong entrepreneurial competitiveness and quickly adapt their production lines to the new market requirements.

The answer to these needs is related to the choice of machines and bottling and packaging plants featuring advanced technology and operational flexibility, such as the ones of the SMI range: compact, ergonomic, eco-friendly devices designed for the “smart factory” and equipped with innovative automation and control systems inspired by Industry 4.0 and Internet of Things principles.

Advanced automation, flexibility and energy saving

To automate and streamline the end-of-line secondary packaging process, SMI offers solutions for satisfying all packaging requirements: from packs in film-only, to cardboard pad or tray + film up to to cardboard cases and multipacks in overlapping cardboard sleeves...

At the Anuga FoodTec exhibition, SMI will showcase the new compact shrink wrapper of the





CSK series including technologically advanced machines which stand out for their advanced automation, operational flexibility, energy saving and environmental safeguard.

The CSK series of SMI shrink wrappers includes models with both single and double lane, with a compact and ergonomic design, making use of the best technology for shrink wrap packaging with the maximum output of 50 + 50 packs/minute (according to the container size and the package format).

Main advantages:

- The packer is equipped with a motorized oscillating guiding system which properly lines up the loose containers carried by a conveyor belt equipped with low-friction chains made of thermoplastic material;
- the loose containers are clustered in the desired format through electronically synchronized combs and dividing bars operating in continuous motion;
- the cardboard blanks magazine is situated beneath the infeed conveyor, from which the cardboard blanks are taken by means of an alternate-motion picker, placed at the initial section of the cardboard climb, composed of a group of suction cups with vacuum aspiration;
- the initial and the final section of the cardboard climb has a curved shape, so as to simplify the insertion of a tray underneath the products coming out of the electronic separator;
- the film cut unity has a compact design, in which the blade is driven by a brushless motor with direct-drive transmission, which makes the cut operation more precise and the maintenance easier;
- the new ICOS motors, equipped with digital servo-drives, simplify the machine wiring and ensure more energy efficiency, lower noise level and reduced wear of the components.



Focus on SMI

The SMI Group is today one of the world's largest producers of bottling plants and packaging machines devoted to the industry of food and beverage, household cleaning and personal hygiene products, chemical and pharmaceutical products, able to meet production requirements up to 33,600 bottles per hour.

With the launch of the ERGON technology, SMI has founded "the new age of packaging" and "the new age of bottling", once again bringing to the market new advanced solutions, so as to provide complete bottling lines and packaging machines characterized by efficiency, flexibility, eco-friendliness, ergonomics, simplicity of management and control and increasingly inspired by Industry 4.0 and Internet of Things (IoT) principles. 🏭

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