



SMI: INNOVATION AND SUSTAINABILITY IN CIRCULAR ECONOMY

Environment is the center of attention for consumers, who demand products with a low environmental impact, and for companies, that adopt more and more eco-friendly strategies. In the food & beverage industry the challenge companies are facing involves two aspects: the first one refers to the production processes that are reviewed to be as eco-friendly as possible and the second one is the use of captivating, eco-friendly and recyclable packaging. In SMI, environment and sustainability are combined with innovation. The increasing attention to the market needs requires the development of technical solutions of the latest generation that help boost continuous change and take into account typical elements of the companies operating in the context of circular economy: cost reduction, energy saving, increasing competitiveness and improvement of the market positioning.

At Interpack 2021, hall 13, booth B15, SMI will showcase two bottling and packaging solutions to ensure competitiveness, efficiency and sustainability to the companies operating in the food & beverage industry. The solution for bottling water includes the ECOBLOC® 3-9-3 K EV ERGON integrated system for manufacturing, filling and capping 0,5 l PET bottles, while the end of line solution for packing 200 ml briks includes the compact ASW 50 F ERGON shrink wrapper, the new ACP 20 ERGON case packer for American cases and the APS 1540 ERGON palletizer.

Innovation, reliability and sustainability

The ECOBLOC 3-9-3 K EV ERGON integrated system is a compact, efficient and eco-friendly solution for manufacturing, filling and capping PET and r-PET (recycled PET) containers. Recent studies have shown the benefits of the use of plastic bottles, since this solution is unbreakable, safe, with great barrier properties, light and especially recyclable. Compared to other packaging materials, such as glass or







aluminum, PET has a good environmental profile, mainly thanks to its lightness that results in less material produced, less waste, less energy to manufacture it and less fuel to transport packed goods. Thanks to its recyclability and its great capacity/weight ratio, many manufacturers of mineral water and soft drinks have promoted and reevaluated PET and r-PET as convenient and win-win solutions in terms of environmental sustainability. Another strategy that helps safeguard the environment is based on the study of even lighter PET containers that allow to considerably save on plastics and that therefore fully comply with the environmental policy of the largest beverage producers.

End of line connected to the market

SMI offers cutting-edge solutions for the secondary and tertiary packaging industry that are inspired by the concepts of Industry 4.0 and Internet of Things (IoT) that are even more efficient, flexible, eco-friendly, ergonomic, easy to use and control. The manufacturers of beverages, food, detergents and chemical and pharmaceutical products need to be increasingly competitive to face a demanding market that is constantly changing. This goal can be achieved more easily by choosing solutions like the ones showcased at the

trade fair by SMI for the packaging in shrink film only or in cardboard cases and for the palletizing: innovative, eco-friendly, flexible and customized machines that are equipped with their own artificial intelligence.

The end of line solution showcased at the exhibition includes the ASW 50 F shrink wrapper for packing 200 ml briks in 3 x 2 format in film only on double lane and the new ACP 20 case packer for American cases that packs the 3 x 2 packs coming from the ASW in 4 x 3 format on two layers. The end of line packaging ends with the palletizing of the cases in 800x1200 mm pallets thanks to the automatic palletizing system of the APS 1540 model. The new palletizing systems adopt innovative, ergonomic and functional technical solutions that al-

low to reach a high level of production efficiency and to reduce at the same time the workload of the line operator. Thanks to cutting-edge technical solutions, such as ICOS motors equipped with integrated digital servo-drive, the new palletizing solutions from the APS ERGON range ensure productions with low environmental impact and low energy consumption, as well as significant reduction in maintenance, energy consumption and noise level of machines and plants.



Focus on SMI

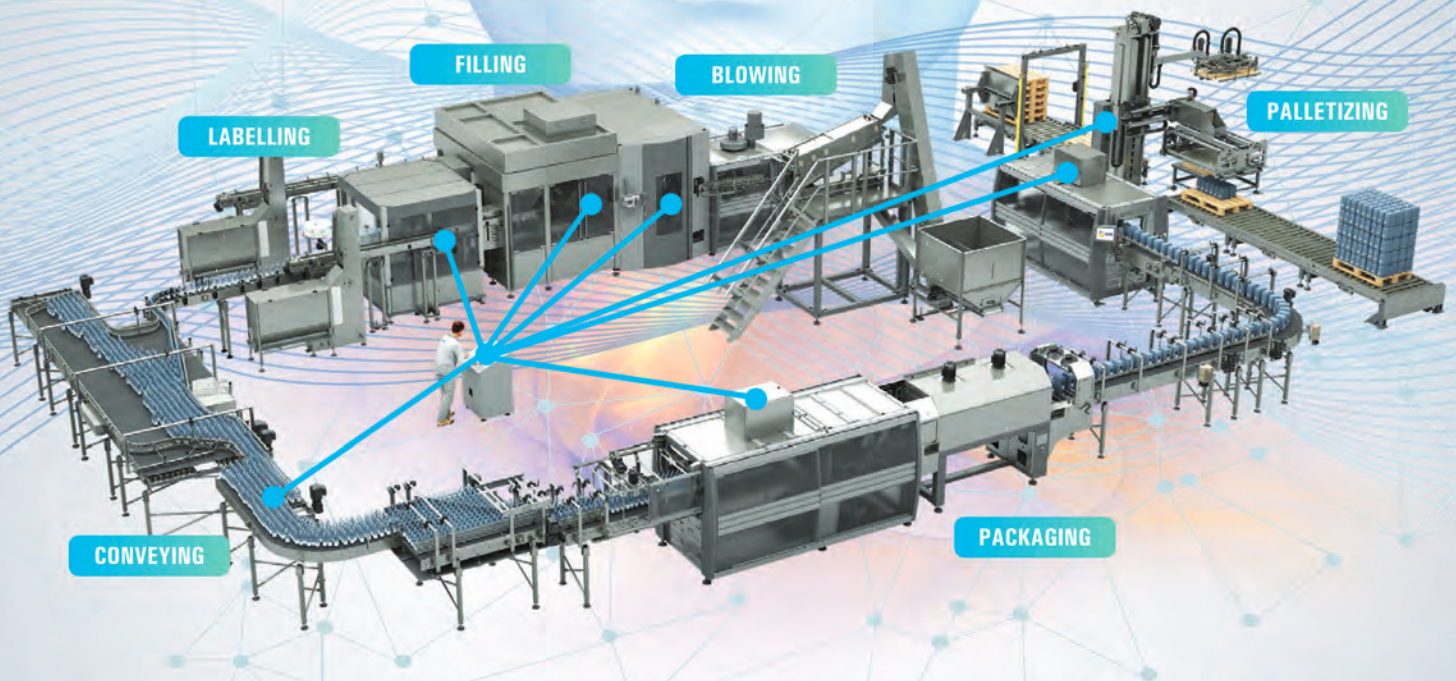
The SMI Group is today one of the world's largest producers of bottling and packaging plants for the food and beverage industry, PET Food, household cleaning and personal hygiene, chemical and pharmaceutical products, able to meet production requirements up to 36.800 bottles/hour. With the launch of the ERGON technology, SMI has inaugurated the "new age of packaging" and "the new age of bottling", showing again the ability to bring to the market advanced solutions, offering complete lines and packaging machines featuring efficiency, flexibility, eco-friendliness, ergonomics, simple management and monitoring, even more inspired by the concepts of Industry 4.0 and Internet of Things (IoT).

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the new age of smart manufacturing

SMI is specialized in designing, producing and installing complete lines for food & beverage bottling & packaging.

SMI turn-key systems feature Industry 4.0 and IoT technologies and an output rate up to 36,800 bottles/hour.

THE FACTORY OF THE FUTURE IS ALREADY A REALITY

