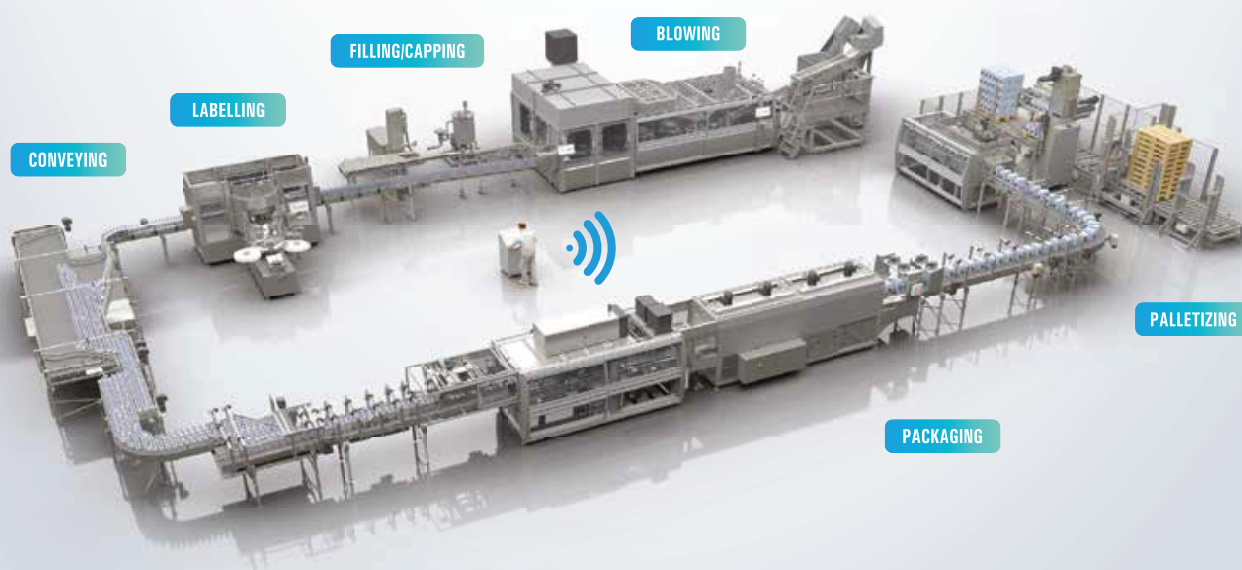


Design with us your sustainable

FOOD PACKAGING

IMPROVING YOUR PRODUCTION EFFICIENCY IS EASY WITH SMI.
OUR BOTTLING AND PACKAGING SYSTEMS BENEFIT FROM INDUSTRY 4.0 AND IOT TECHNOLOGIES, CAN
PROCESS RECYCLABLE MATERIALS SUCH AS RPET AND ALLOWS FOR CONSIDERABLE ENERGY SAVINGS.
FIND OUT OUR SOLUTIONS FOR PACKING A WIDE RANGE OF CONTAINERS UP TO 55,000 BOTTLES/HOUR.



Innovation and flexibility: SMI S.P.A. supporting Empresas Polar

ADVANCED AUTOMATION AND SUSTAINABLE PACKAGING TO MEET THE DEMANDS OF A GROWING MARKET.

To meet the needs of an ever-expanding market, one that is increasingly focused on quality, safety, and convenience, Empresas Polar has invested in highly versatile and innovative production processes. The company, one of Venezuela's leading food producers based in Caracas, has identified operational flexibility and advanced automation as key drivers to keep pace with evolving consumer expectations. In this context, the partnership with SMI S.p.A. plays a central role. The Italian company supplied the CSK 40 T ERGON automatic shrink wrapper, designed for packaging Pampero-branded glass tomato paste bottles into practical tray-and-film bundles, an efficient and visually appealing solution increasingly appreciated by consumers.

Quality, efficiency and sustainability

Empresas Polar places strong emphasis on product quality, environmental sustainability, safety, and cost efficiency. Building on these priorities, SMI developed a solution capable of delivering high performance while ensuring maximum flexibility across different production formats. The CSK ERGON series stands out as an effective solution for the automatic packaging of food products in various configurations. At the Valencia plant, the system

currently handles 198 g and 397 g glass bottles in 6x4 tray-and-film formats, while already being prepared for future larger sizes.

The use of trays proves particularly suitable for glass containers, ensuring greater stability during palletizing, handling, and in-store storage. At the same time, the machine's compact design optimizes existing logistics space and simplifies operators' daily activities.

A long-standing partnership

The decision to invest in a new packaging line stems from the need to enhance the performance of the Pampero ketchup production line. However, this collaboration is not new: as early as 2009, SMI had already supplied Empresas Polar with an LSK ERGON shrink wrapper and a DV 500 ERGON divider.

This continuity highlights the reliability of SMI's solutions and their ability to support industrial partners over time, adapting to evolving production requirements.

Technology driving production

The CSK 40 T ERGON shrink wrapper features a range of advanced technical characteristics, including a compact and ergonomic design, smooth bottle infeed systems, high-precision film cutting, and energy-efficient motors.



Maintenance operations are simplified thanks to an intuitive machine layout, while energy consumption and component wear are significantly reduced. Optional devices installed include a rapid cooling system for outgoing packs, as well as stabilization and bottle presence verification systems.

The conveyor systems complete the line by ensuring smooth product handling and reduced format changeover times, further enhancing overall efficiency.

Towards smarter packaging

Empresas Polar's investment reflects a broader trend in the food industry: the growing importance of packaging as a strategic element—not only for product protection, but also for market positioning. In this evolving landscape, solutions developed by SMI represent a key asset in combining technological innovation, sustainability, and industrial competitiveness.

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