

Functional and sustainable packaging

Environmental sustainability plays a key role in the investment decisions of those who choose plants and machines for large-scale production in compliance with the standards for the territory safeguard and energy saving. SMI presents its end-of-line solutions at Interpack.



Thanks to investments in industrial plants equipped with smart and green technology, food & beverage companies will save on energy, reduce the production environmental impact and use recyclable and biodegradable packaging materials to manufacture packs in film or cardboard. At Interpack trade fair, SMI will exhibit a pick & place case packer of the ACP ERGON series and a stretch film packer of the SFP ERGON series, two secondary packaging solutions that enable producers to combine the need of an efficient production with that of environmental protection.

The SFP Series

The SFP ERGON stretch film packer integrates plastics reduction with energy efficiency for packaging operations. It employs stretch film rather than shrink film to pack loose products, eliminating the need for a shrink tunnel with electric heaters and thus achieving significant energy savings. A 10-micron stretch film minimises material usage, while criss-cross wrapping around container groups produces stable, durable packs. Servo-driven motors further lower energy consumption across the process.

The SFP 30 ERGON model supports flexibility, versatility, and environmental goals by forming 2 x n pack configurations using cold stretch

film. Motorised oscillating guides on the infeed belt direct loose containers precisely to the pack formation zone. A mechanical system with a synchronised press and compensation bars then groups containers into the required format, with packs advancing short-edge leading. Brushless motors during film unwinding provide exact tension control. The dual-reel cross-wrapping mechanism creates robust packs: one reel applies clockwise wrapping, the other anticlockwise, for secure criss-cross coverage around moving containers. A vertical heated resistance, driven by a brushless motor, cuts the film in two stages – front and rear of the passing pack.

The ACP Series

The ACP series case packers handle various containers, including glass bottles, bags of pasta, rice or coffee, oval shapes, and cartons, by swapping grippers or suction cups. They suit delicate products like wines and liqueurs, protecting labels during top-loading packaging. The monobloc design integrates product separation, insertion, carton magazine, and box sealing in a stop-and-go pick-and-place process, achieving

up to 20 packs per minute. Products can be stacked in robust RSC boxes with high top-load capacity. The adjacent carton magazine simplifies ergonomic loading of pre-folded cut-outs. ACP ERGON models use Sercos-based MotorNet System for Industry 4.0 and IoT compatibility.

www.smigroup.it

PREMIUM LIQUID COLORANTS & ADDITIVES



- ▶ AA Scavenger
- ▶ O₂ Scavenger
- ▶ Toner for PET Resin
- ▶ UV Barrier
- ▶ Liquid Color
- ▶ Anti Yellow for rPET
- ▶ Fast Reheat
- ▶ Frictionless Additive Agent
- ▶ Dosing Unit



Visit www.venturahorizon.co for more information. Contact us at inquiry@venturahorizon.co