



POSYC OPERATOR & CONTROL PANEL

Operator & control panel

The POSYC 4200 is an industrial panel PC based on an Intel x86 dual core architecture with a highly reliable 15" color (24 bit) touch display.

With an ergonomic design and the top notch iconstyle technology, it's designed to make the relation between man and machine easier.

The new graphic interface of the POSYC 4200 HMI, standard on all SMI machinery, it's now even more user-friendly, allowing to cruise through the menus and access rapidly any main functions of the machine.

In fact, directly from the main screen of the HMI it's possible to:

- carry out guided troubleshootings, leaning towards TPM methodology
- spot immediately which device is causing an alarm/arrest
- access the production parameters
- access the user manuals
- change the language (in the multilingual monitors)
- display production and energy consumption diagrams.



ST 6000 SHRINK TUNNEL

Shrink tunnel for high-speed canning lines

This shrink tunnel has been specially designed by SMI to achieve high levels of packaging performance in high-speed canning lines, thanks to:

- increased air circulation with new metal mesh conveyor
- improved airflow control with longitudinal diffusers and speed regulation allowing variation of the airflow
- possibility to manage the airflow directed to each side of the pack, thanks to two dedicated inverters placed on the tunnel roof and driven by the machine's HMI
- quicker and easier format changeover, thanks to automatic regulation of longitudinal diffusers
- lower power consumption thanks to the elimination of infrared lamps
- flawless high-quality packaging.



NEW SK ERGON SERIES

WHEN CUTTING-EDGE TECHNOLOGY MEETS ERGONOMIC DESIGN



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ERGON



Brand-new design concepts

The ERGON series of SK shrinkwrappers is the result of a 2-year Research & Development project which has led SMI to implement new design & manufacturing concepts within the range of medium/high speed secondary packaging machines:

- considerable simplification and higher commonality of machine modules, meaning that all SKs can be manufactured with only 4 modules (machine infeed for F models, machine infeed for P & T models, tray former for T models and film wrapper for all models)
- ergonomic, modular design & manufacturing techniques allow a -20% reduction in the variability of mechanical and electrical components among the different models of SK
- elimination of manual interventions for maintenance & repair purposes in the inner part of the machine

The driving concepts behind ERGON technology are being progressively extended to the whole portfolio of equipment manufactured by SMI, from packers to blowers and palletisers.

The packer on display at Brau

Model: SK 800P ERGON

Type of packaging: shrink film only / pad + film

Pack collation: (3x2) x2 (dual lane) film only

Container packaged: beer aluminum cans

Output rate: 160 packs minute (80+80)

Optionals installed:

- automatic film-splicing system
- dual lane operation kit



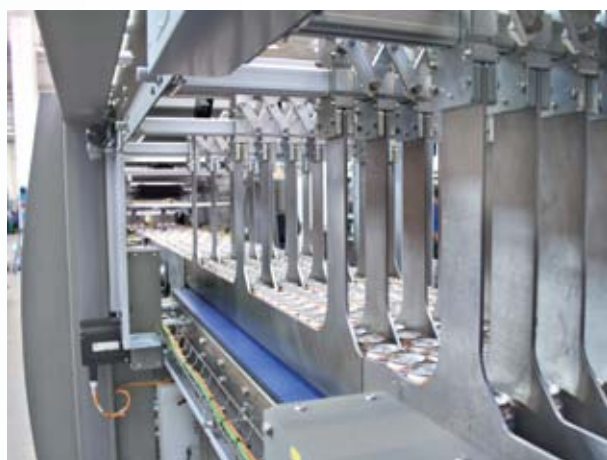
VIDEO PREVIEW



A long series of innovations & benefits

The innovations introduced by SMI in the SK ERGON series concern all of the key sections of the packaging machine, with a special focus on the following systems:

Automatically adjustable product-sorting unit, made up of a group of oscillating guiding rails which accurately lines up the loose containers in the packer's entry section.



Rounded safety doors, which increase the space inside the machine frame and ensure:

- a leaner and more streamlined arrangement of the machine's motors
- a higher level of safety at work: hazard-prevention door-closing system, comprising of a hydraulic damper which allows a smooth slow-down upon closure of the sliding doors.



Externally-mounted energy-saving motors, which, thanks to the increased space created by the rounded sliding doors, are mounted on the machine's side edges allowing easy access for maintenance operations.



Curved cardboard blank ramp, slightly curved in its end sections allowing a smoother transfer of the flat blanks from the magazine to the packer's working plate.



Automatic film-splicing system (optional), equipped with a high-performance welding bar which automatically joins and seals the edges of the two film reels with a 6-mm overlapping, making film positioning even easier and without using any double sided tape.



Piston-driven film-tensioning system, which ensures a constant tensioning of the film and also permits switching from single to dual/triple lane packaging operations in a quicker and easier manner.



Direct drive film-cutting unit, equipped with direct drive motorization in order to improve the film-cutting precision and to reduce the frequency and complexity of maintenance interventions.



Film feed with built-in brushless motor, which enables a more precise and consistent film unwinding, especially during the film splicing operations. The absence of transmissions and switching devices means less parts to maintain.