

# BRAU BEVIALE PREVIEW: SMI PRESENTS THE NEW SK 800P ERGON SHRINKWRAPPER

**B**rau Beviale international trade show represents the perfect occasion to understand market orientations, to get acquaintance with the latest technologies offered by the sector operators and to seize the best opportunities to invest. At this important event, that will take place in Nuremberg from 10 to 12 November 2015, SMI is going to showcase the new ERGON series of automatic shrinkwrappers, that has been previewed in occasion of Anuga FoodTec 2015 and that has raised a large interest among the food & beverage world's professionals. In particular, at the stand **503/Hall 7A**, SMI will be showcasing a SK 800 P ERGON shrinkwrapper suitable for high-speed packaging of cans in film with or without cardboard flap at the bottom of the package.



The machine model exhibited at Brau Beviale will be equipped with a device to handle products in dual lane, that permits to wrap two packages of 6 cans simultaneously (3x2 film only format) and to achieve in this way a maximum output capacity of 160 packs/minute (80 packs/minute on each lane).

## **A style marked by ergonomics and technological innovation**

The SK 800 P ERGON packer exhibited at Brau Beviale is marked by the new curved style of the sliding

doors and by the new orobie grey colour.

The curved style enables to position every motor (featuring low energy consumption) externally with respect to the mechanical groups they activate, which makes maintenance interventions easier for the line operator. Furthermore, the doors closing system is equipped with a decelerating device that slows down the ride in the final phase of the closure to avoid hard collisions that may cause damages. The ergonomic frame of the new SK 800 P ERGON enables the operator to easily man-



age all the activities related to both the use and the maintenance of the machinery, following the highest safety standards.

There's no contact between the moving parts and the packed product, since the threaded bars on which the adjustment devices of guides and chains run are placed in a protected area preserving them from dirt and dust. Moreover, SMI shrinkwrappers do not need geared motors, as they are driven by brushless motors (controlled by digital servomotors) directly connected to the transmission shafts, with the subsequent advantage of reducing energy waste, noise and maintenance.

### The new ERGON shrinking tunnel

The innovation process involving the new SK ERGON also included the key element of a shrinkwrapper, that is the shrinking tunnel. SMI shrinking tunnels are state-of-the-art machinery enabling energy consumption reduction, the full environmental compatibility of the packaging processes and the qualitative enhancement of the packaged product. Thanks to an accurate analysis of thermodynamic events



generated by the shrinking process, SMI tunnels are capable of handling in an efficient and homogeneous way the distribution of hot air flows over the whole area of the pack.

In the new ERGON version the air adjustments have been further increased, making the heat flow direction more precise and thus enhancing the final quality of the pack. In addition to that, packs undergo an immediate cooling process which, by means of a series of fans placed at regular 1-meter intervals in the oven, fixes their shape, look and stiffness to prevent deformations or damages during the following packaging steps. At the exit of the shrinking tunnel a conveyour connects the oven belt to other conveyour belts; this connection is ventilated so as to enable the right thermic transition of

the pack. On the final section of the oven belt a set of cleaning brushes in vetronite are installed so as to remove possible dirt from the conveyour belt.

SMI shrinking tunnels are designed to ensure the operator an easy and totally safe access to the internal parts of the machinery during cleaning and maintenance operations, which are much less frequently needed in comparison with traditional systems. Moreover, the new oven of the ERGON series is equipped with a small switchboard placed in the lower part of the tunnel under the outlet conveyour belt. In the end, a special measuring unit display placed outside the tunnel ensures an immediate and detailed check of energy consumption. 🏠

[www.smigroup.it](http://www.smigroup.it)

