

SMI, SMART BOTTLING AND PACKAGING SYSTEMS IN ORDER TO BE MORE COMPETITIVE

By manufacturing machines with an innovative design equipped with IoT technology, SMI provides customers from all over the world smart solutions, able to satisfy their needs concerning production efficiency, operational flexibility, energy saving and ease of managing and monitoring bottling and packaging lines.

The latest developments and the considerable and continuous investments in Research & Development have led to the realization of even more compact, ergonomic, eco-friendly machines, like the new EBS K ERGON rotary stretch-blow moulders and the ECOBLOC® K ERGON integrated systems: innovative and unique solutions which can be installed even on small bottling plants and ensure advantages such as the ease of management and control for the line operator.

An example of the new EBS K ERGON range will be also showcased at the exhibition **Brau Bevi-ale**, which will be held in **Nuremberg from November 13th to 15th, 2018 – Stand 7A-503.**

The EBS K ERGON stretch-blow moulder is available in 2, 3 and 4-cavity versions and allows the users to benefit from all the advantages of the rotary technology in a speed range (from 1.000 to 9.000 bottles/hour), traditionally served by linear stretch-blow moulders. The EBS K ERGON features important advantages, such as:

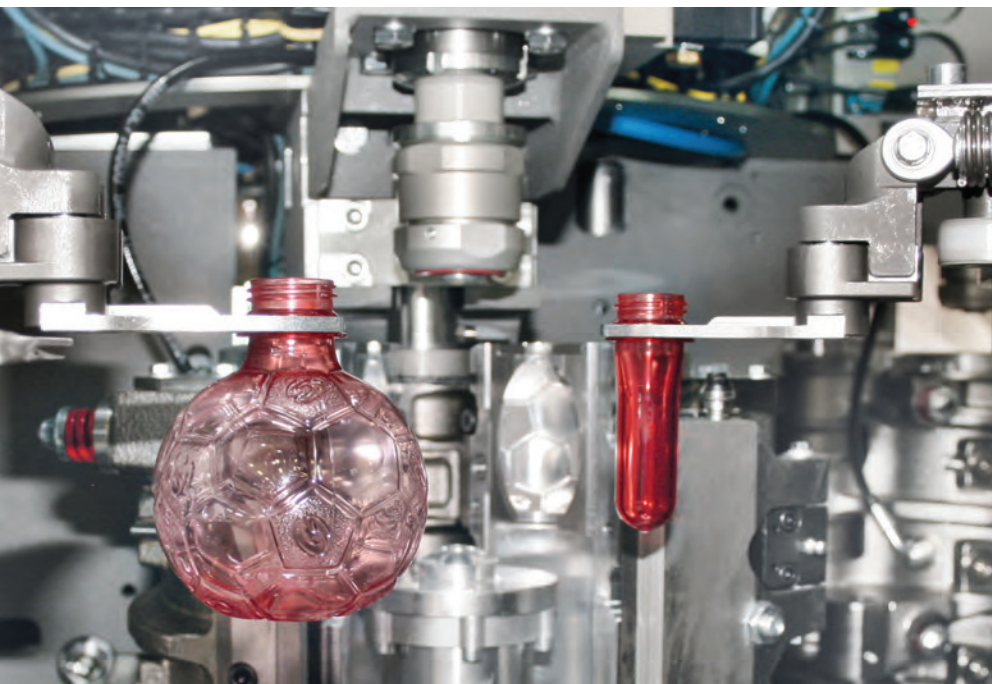
- **extremely reduced dimensions:** the machine module integrates the preform heating section and the stretch-blow moulding section in a single structure;
- **high technological content,** inspired by the Industry 4.0 and Internet of Things (IoT) concepts;







- **completely electronic production process** with transmission system that uses brushless motors equipped with integrated digital servo-driver;
- **low energy consumption and eco-friendly processes:** the stretch-blow moulding carousel is equipped with motorized stretch rods, controlled by electronic drives which do not require mechanical cams; this solution ensures precise control of the path of the stretch rod, significant energy savings and reduced mechanical interventions;
- **low operating and maintenance costs;**
- **high performance:** the stretch-blow moulding system uses high-performance, low-dead volume valves, allowing to reduce pre-blowing and blowing times, thereby improving the machine efficiency and the quality of the bottles produced.



ECOBLOC K ERGON : the most compact rotary combi in the world

The ECOBLOC® ERGON K series developed by SMI is an ultra-compact system for stretch-blow moulding, filling and capping PET containers up to 3 L and offers all the advantages of the rotary technology, even for production requirements from 1.000 to 9.000 bottles/hour and are suitable for bottling lines for milk and still water (EV models) and edible oil (EM models). In ECOBLOC® version, combined with a filling and capping mod-

ule, the new EBS K ERGON indeed offers even more advantages:

- optimal performance with reduced costs for manufacturing, filling and capping containers up to 3 L, since this configuration does not require the rinsers and the conveyor belts between the stretch-blow moulder and the filler;
- precise and fast filling and capping process, thanks to the electronic control system of the operations and the use of high-efficiency valves controlled by flow meters;
- reduced time for preparing the machine for the cleaning operations, thanks to the use of false bottles integrated in the valve itself;
- new design with modular frame, without welding, equipped with safety doors
- made of tempered, very resistant, long-lasting glass;
- great quality-price ratio: the “combi” solution does not need the rinsers, the conveyor belts between the stretch-blow moulder and the filler and the accumulation conveyors;
- innovative and unique solution allowing to install the system even on small bottling lines. 🏭

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