



Resulting from an innovative project characterized by the use of technologically advanced solutions inspired by Industry 4.0 and Internet of Things (IoT), the [ECOBLOC® ERGON K](#) series developed by SMI is composed by **ultra-compact “combi” plants** for the stretch-blow moulding, filling and capping of PET containers up to 3 L.

The ECOBLOC® K systems offer all the advantages of the rotary technology, even for production requirements from **1.000 up to 8.800 bottles/hour** usually served by linear stretch-blow moulders, and are devoted to **bottling lines for still water and milk (EV models) and edible oil (EM models).**



DISCOVER THE ECOBLOC® K



K = Kompact

The preform heating section is integrated to the stretch-blow moulding section in a single module.

An innovative and unique solution enabling to install the plant even in small bottling lines.



Eco-friendly processes

The stretch-blow moulding carousel is equipped with motorized stretch rods, controlled by electronic servo-drives, which do not require mechanical cams. This solution ensures: precise control of the stretch rod path, considerable energy savings and reduced mechanical intervention.



High performances

The stretch-blow moulding system is equipped with high-performance, low-dead volume valves which permit to reduce the pre-blowing and blowing times, thereby improving the machine efficiency and the quality of the bottles manufactured.

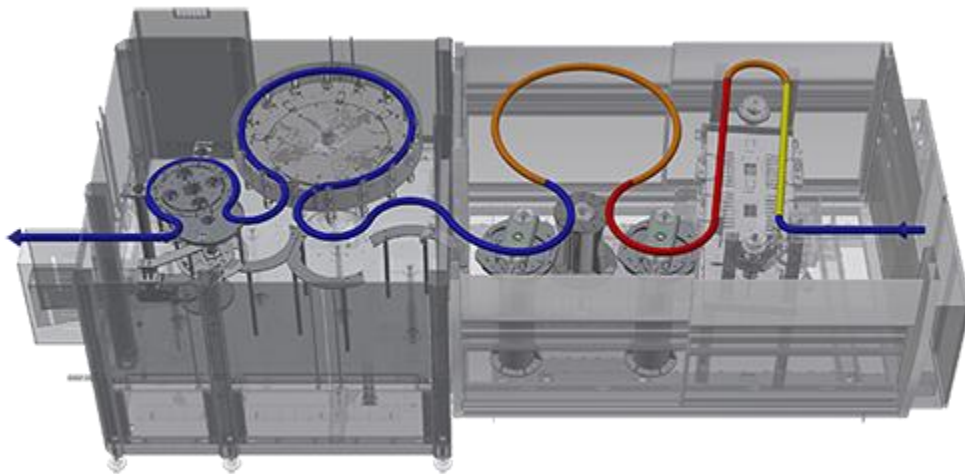


Precise filling

The filling technology makes use of high-efficiency valves controlled by flux-meters. Thanks to the electronic control of the operations, the filling process is carried out precisely and quickly. The ECOBLOC® K is also equipped with a capper for the application of screw or pressure caps.

ECOBLOC® K , the most compact combi in the world, boasts:

- ***overall dimensions reduced to a minimum;***
- ***easier management and control*** of the production cycle;
- ***high technological content*** of the solutions inspired by Industry 4.0 and Internet of Things (IoT);
- ***electronic installation*** with transmission systems through brushless motors with an integrated digital servo-drive;
- ***low maintenance and operating costs;***
- ***excellent quality/price ratio:*** the “combi” solution does not require the rinser, the conveyors between the stretch-blow moulder and the filler and the accumulation conveyors;
- ***low energy consumptions.***



For further information contact our [Sales Department](#) or visit [our website](#).

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