

PET *products*

Eco-sustainable solutions

The Smi laboratories has led to the launch of the Ecobloc series featuring integrated systems of stretch-blowing, filling/capping and labelling of PET containers with capacity up to 3l. The Ecobloc systems is said to be compact because of the modular frame, the application technologies ensures the synchronisation between the dry environment of the stretch-blowing module and the wet environment of the filling/capping module.

Suitable for bottling lines of still and carbonated drinks, milk and edible oil, Smi's integrated system of the Ecobloc series offers to the end user for example the machine's modular and compact structure, which brings together the stretch-blow moulding, filling and capping modules in a single block and allows to eliminate the connection belts between blow moulder and filler and even, except in rare cases, the bottle rinsing machine. With this type of system, there is a reduction of water consumption, electricity, management and in maintenance care.

The stretch-blow moulding module of Smi's Ecobloc is equipped with an air recovery system (ARS), which recovers up to 40% of the high pressure compressed air used in the bottle production process to reuse it either during the pre-stretch blow moulding stage or in the machine's utility systems. The Ecobloc reduces the risk of contamination of the bottles on their way from the blow moulder to the filler thanks to a star-star system enclosed inside a hollow joining cavity equipped with steel guards.

The stretch-blow moulding, filling/capping modules integrated in an Ecobloc system are governed by a single automation and control system that allows the management of the system by one line operator through a simple and user-friendly man-machine interface.

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