

## The role of PET bottles in the circular economy



Packaging sustainability is a key issue, in particular for the beverage industry, in which more and more questions have been raised about the material to be used for packing safely and with limited impact on the environment. At **K 2019** trade fair in Düsseldorf, which will be held from October, 16-23, SMI will showcase an EBS <u>4 K ERGON stretch-blow moulder</u>, a compact, efficient and eco-friendly plant for manufacturing **PET** and **r-PET containers**.

Recent studies have shown the benefits arising from the use of plastic bottles, since this solution is unbreakable, safe, with great barrier properties, lightweight and above all recyclable! In comparison with other packaging materials, such as glass or aluminium, **PET has a good environmental profile**, mainly thanks to its **lightness** that translates into **less material to produce**, **less material to dispose of**, **less energy used to manufacture it** and **less fuel used for transporting packed products**. Thanks to its recyclability and its great weight-capacity ratio, many producers of mineral waters and soft drinks promote and re-evaluate PET and r-PET as convenient and win-win solutions from the



environmental sustainability point of view.



# WATCH THE VIDEO

## R-PET or lightweight bottles? Manufacture them with the EBS K ERGON

Ideal system for producing PET and r-PET bottles



The use of **r-PET** (recycled PET) for manufacturing new bottles is the core of the concept of *circular economy*, that consists of collecting materials after they have been used and processing them, so that they can be reused or recycled. Every time a PET container is recycled, its oil reserve is recovered and reused, eliminating the waste and reducing the packaging environmental impact, provided that efficient systems for managing waste and recycling exist.





#### **Producing even lighter bottles**

Another strategy that contributes to the environmental protection is based on the study of **even lighter PET containers**, that allow to save on plastics and that, indeed, fully comply with the environmental policy of most of the manufacturers of beverages.

#### SMI solution for the "green factory"

Available with 2, 3 or 4 cavities, the rotary, compact, efficient and ergonomic stretch-blow moulders from the **EBS K ERGON range** are perfectly suited to these eco-friendly strategies and to the new manufacturing paradigms of "**smart & green factory**"

The EBS K ERGON range is the best solution to produce **PET and r-PET containers up to 9,200 bottles/hour**.

Thanks to its **compact and ergonomic design**, it can be installed even on bottling plants with reduced size and it ensures advantages in terms of ease of use and control by the line operator.



### Meet us at our booth B69 Hall 14

If you want to find out further advantages of the <u>EBS ERGON</u> stretch-blow moulders or <u>ECOBLOC®</u> <u>ERGON</u> blowing, filling and capping integrated systems, we will be waiting for you at <u>K exhibition</u> in Düsseldorf, at our **booth B69**, hall 14, or we invite you to contact our sales department.

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