



SMI presents its Smy Sky lightweight bottle

Nature plays an increasingly important role

The growing consumer awareness towards the problems of the ecosystem influences the activity of the companies that prefer the use of sustainable packaging, such as PET and rPET containers, featuring high quality and lightweight to save energy and material. In fact, a strategy that contributes to environmental protection is based on the design of even lighter PET containers, that allow to save on plastics and that, indeed, fully comply with the environmental policy of most manufacturers of beverages.

Thanks to an advanced CAD centre for 3D design, SMI supports companies in designing and visually developing a wide range of containers to meet these requirements. One example is the Smy Sky bottle, developed jointly by SMI and HUSKY Technologies, which features a reduced weight of 7.2g.

The preforms, supplied by HUSKY Technologies, are blown by the SMI stretch-blow moulder of the EBS ERGON series and result in bottles with a capacity of 0.5L. The “light-as-a-feather” bottle is characterised by a 25/22 mm GME 30.39 neck finish and by a 313N product top load.

A key element connected to the naming lies in the concept of the sky, which alludes to lightness, SMI explains. The bottle features a minimal and simple design, conveying the idea of essentiality, both in terms of geometry and weight. According to the company, it is the bottle simplicity which makes it responsive to the requirements of many manufacturers and consumers.

The top feature of this bottle is represented by its material saving: the choice of realising such a lightweight bottle helps manufacturers to reduce their carbon footprint and at the same time to meet growing consumer demand for eco-friendly packaging.

Simultaneously, it generates cost savings in terms of bottle manufacturing, since the raw material use is minimised; there is a reduction in transportation expenses and saving on electricity consumption for the bottle manufacturing as well as for bottle shipping. In brief, lightweight PET packaging is characterised by its potential to deliver economic and environmental benefits while maintaining product quality and functionality – an issue expected to remain significant for the packaging industry in the coming years.

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