

SMY SKY BOTTLE

THERE ARE
BLUE SKIES AHEAD

7.2g | NECK 25/22
GME 30.39

BOTTLE ENGINEERED BY SMI
PET PREFORM SUPPLIED BY HUSKY TECHNOLOGIES™



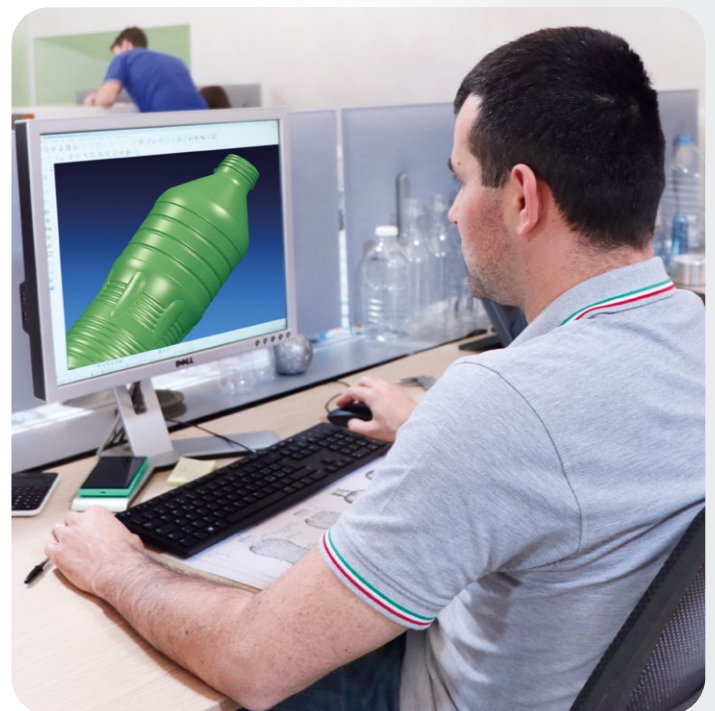
BOTTLE DESIGN

GREAT PROJECTS IN THE NAME OF INNOVATION

Strategic collaborations represent the basis for the achievement of outstanding results. This is exactly the case of the Smy Sky bottle, which results from a joint development between SMI and HUSKY TECHNOLOGIES™, and stands out for its reduced weight: only 7.2 grams. The preforms, supplied by HUSKY TECHNOLOGIES™, are blown by the SMI cutting-edge stretch-blow moulder and result in bottles with a capacity of 0.5 L. The light-as-a-feather bottle is characterized by a 25/22 mm GME 30.39 neck finish and by a 313 N product top load.

BLUE SKIES AND A GREEN FUTURE

The naming "Smy Sky bottle" is evocative of the close collaboration between SMI and HUSKY TECHNOLOGIES™ for this project, with the bottle that represents the harmonic blending of two realities in the name of innovation and in response to a market that is playing increasing attention to environmental sustainability and responsible use of resources. Beyond the crasis of the names of the two companies, an additional key element connected to the naming lies in the concept of the sky, which alludes to lightness and at the same time gives the idea of something with an infinite space that still needs to be explored, a condition that is also valid for innovation. The latter is a component on which we continue to focus by using extensive expertise and significant investments in R&D in order to develop brilliant ideas, with the awareness that only by following this path, it is possible to provide the premises for blue skies. And if skies are expected to be blue, future can only be green.



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SIMPLE IS BETTER

The bottle features a minimal and simple design, conveying the idea that being essential (in this case in terms of geometry and weight) can represent an additional value. This validates the fact that innovation isn't necessarily a complex process, but that it rather comes from simplicity. Exactly the bottle simplicity makes it responsive to the requirements of many manufacturers and of several consumers as well. What definitely matters is to find the right balance between different aspects: in this specific case, between simplicity and elegance, functionality and lightness.

MATERIAL SAVING

The top feature of this bottle is represented by its material saving: the choice of realizing such a lightweight bottle goes in the direction of allowing manufacturers, who are increasingly paying attention to the environmental issues, to reduce their carbon footprint and at the same time to meet the growing consumers' demand to get eco-friendly packaging. At the same time, this also generates cost savings in terms of bottle manufacturing, since the raw material use is minimized, reduction in transportation expenses and saving on electricity consumption for the bottle manufacturing as well as for the bottle shipping. This confirms the fact that cost-effectiveness can go hand in hand with environmental sustainability. And all of this without compromising the performance, strength and functionality of the product. To put it briefly, what sets lightweight PET packaging apart is its capacity to provide economic and environmental gains without compromising the quality or utility of the product itself: a challenge that will play a key role in the packaging industry also in the upcoming years.

SMY SKY BOTTLE IN A NUTSHELL

Weight	7.27 g
Capacity	0.5 L
Neck finish	25/22 GME 30.39
Neck weight	1.01 g
Maximum resistance of the bottle bottom to pressurization	0.4 Bar
Top load resistance of the filled and capped bottle, with addition of nitrogen	313 N
Output rate	2,750 bottles/hour per cavity

