

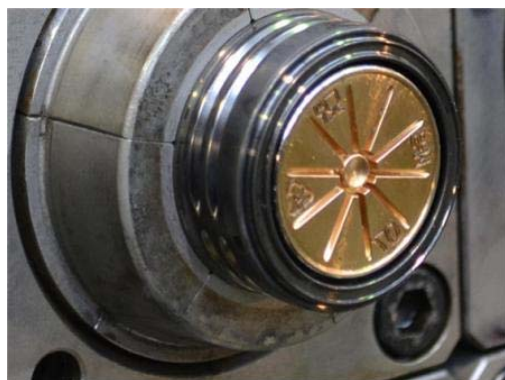
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72-cavity mould

A new technology for lightweight 1881 closures

[Technology](#) - Tuesday, 15 September 2015



Reducing the weight of a plastic component and obtaining a concrete saving on production costs. That's the direction of the latest release from Gefit, completely dedicated to the beverage industry.

Thanks to its long experience in this field, where high production volumes are often demanded, the company headquartered in Fubine (Alessandria, Italy) developed a mould for the production of the known 1881 closures with a very lowered weight compared to the usual standards currently used on the market.

It is a 72-cavity mould, with slides technology to make the warranty seal. However, the real innovation consists of reducing the weight of the final plastic component, made possible by the work of Gefit engineers not only during the concept and design phase of the mould, but also throughout the whole process that led to the design development and to the performance improvement of this closure.

Before the final manufacturing of the production mould, Gefit has been working with a 2-cavity pilot mould of its property to complete the product development and

validation. This operation took place in close and constant cooperation both with the customer and the end user, who attended the tests and validation activities of the closure.

Starting from a weight which generally was over two grams, the company has created a real evolution of the concept of the 1881 closure, traditionally used on PET containers for mineral water and medium carbonated soft drinks, reaching the great goal of 1.8 grams.



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