

## PRESS ARTICLE

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### Sidel introduces X-LITE Still: The world's lightest industrial bottle at the highest production speed



**X-LITE™ Still is Sidel's latest innovative 500 ml PET packaging solution for non-pressurised still water. Thanks to its extremely light industrial bottle design, it is the most cost-effective and sustainable packaging available on the market. This pioneering solution addresses the still water market for small size PET bottles, in particular, producers looking to optimise their packaging and their production costs.**

With 6.5 g of weight and a height of 195 mm, Sidel X-LITE Still is the lightest 500 ml PET bottle in the world for non-pressurised still water, offering the greatest level of performance – even at very high production speeds<sup>1</sup> with a very light water neck finish. This bottle is perfectly complemented by a Novemba Novaqua RightCAP26 closure.

#### **High packaging performance for non-pressurised still water**

Sidel X-LITE Still integrates the proven StarLITE™ Still base solution, already implemented worldwide due to its increased stability and stress resistance through the value chain, its endless design flexibility and the clear lightweighting possibilities it offers. Moreover, the energy savings enabled by StarLITE Still – mainly achieved through a reduction in blowing pressure and heating power – are significant, with no compromises on the packaging performances. This base design can be adapted to all Sidel blowing platforms and applied to existing production lines to reduce the Total Cost of Ownership (TCO).

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<sup>1</sup> Based on packaging production lines integrating Sidel Super Combi and running at up to 91,800 bottles per hour.

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X-LITE Still has been optimised by the company's engineers for the Sidel Super Combi, the single smart solution integrating five process steps: preform feeding, blowing, labelling, filling/capping and cap feeding. "Based on a dedicated preform design for optimal mechanical performances, this latest addition to our packaging portfolio is able to withstand label application on the empty bottle, in spite of its extremely light weight. It allows for the ideal bottle shape design for nested packs and enables an optimum top load resistance of 34 kg, able to match the supply chain requirements in terms of pallet stability", explains Laurent Naveau, Sidel Packaging Expert.

### The most cost-effective and sustainable packaging solution

As the lightest bottle in the world for still water, Sidel X-LITE Still dramatically reduces the consumption of PET resin: for example, when compared to bottles weighing 12 g, the new solution can save a remarkable 1,485 tonnes of PET per year while generating energy savings of up to 335,000 kWh/year.<sup>2</sup> Combined, these reductions amount to 3,000 tonnes of CO<sub>2</sub> saved, which equals 25 round trips between New York and Paris by plane with 200 passengers on board.<sup>3</sup> For bottled water producers, this means that the cumulated savings of PET resin and energy can reach up to two million Euros per year.

"For our customers, the new preform design and neck finish featured by the X-LITE Still packaging solution translate to a very fast payback on their investment, even when the line retrofit includes a completely new injection stack",<sup>4</sup> says Laurent Naveau. "By switching from a 12 g PET bottle to the X-LITE Still 6.5 g bottle, the payback time for a line upgrade would only be between two to four months."<sup>5</sup>

More information on Sidel X-LITE: [www.sidel.com/x-lite-still](http://www.sidel.com/x-lite-still)

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<sup>2</sup> Based on Sidel Matrix™ Combi handling 2,700 bottles per hour per mould, for a SBO 20, with a yearly production of 5,000 hours, with a PET cost of 1,425 € per ton and energy costs of 0.12 €/kWh.

<sup>3</sup> ICAO / Environmental Protection / Carbon Emissions Calculator (<https://www.icao.int/environmental-protection/CarbonOffset/Pages/default.aspx>)

<sup>4</sup> Line retrofit includes the adaptation parts to be changed for new preform and new neck diameter and height. Typically, from 29/25 to 26/22 mm.

<sup>5</sup> Based on Sidel Matrix™ Combi handling 2,700 bottles per hour per mould, for a SBO 20, with a yearly production of 5,000 hours, with a PET cost of 1425 € per tonne and energy cost of 0.12 €/kwh, including injection stack.

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Sidel is a leading provider of equipment and services solutions for packaging beverage, food, home and personal care products in PET, can, glass and other materials.

With over 40,000 machines installed in more than 190 countries, we have nearly 170 years of proven experience, with a strong focus on the factory of tomorrow with advanced systems, line engineering and innovation. Our 5,500+ employees worldwide are passionate about providing solutions that fulfil customer needs and boost the **performance** of their lines, products and businesses.

Delivering this level of performance requires that we stay flexible. We continuously ensure we **understand** our customers' changing challenges and commit to meeting their unique performance and sustainability goals. We do this through dialogue and by understanding the needs of their markets, production and value chains. In turn, we apply our solid technical knowledge and smart data analytics to ensure lifetime productivity reaches its full potential.

We call it **Performance through Understanding**.

Find out more at [www.sidel.com](http://www.sidel.com) and connect with us



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