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# Sidel introduces new lightweight bottle base

05 February 2025 | News

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StarLITE-R STILL is a new bottle base that employs Sidelâ??s patented technology to ensure 100 per cent recycled PET (rPET) integration, lightweight, and high-speed production for water, juices, milk, and edible oil from 0.25L up to 2.5L.

â??Mainstream food and beverage manufacturers are seeking designs that range from simple, lightweight options to more aesthetic shapes with optimised weights, yet all compatible with high-speed production,â? comments Mikael Derrien, Manager of Packaging Innovations at Sidel.

â??They aim to reduce production costs through lightweight, lower blowing pressures, and reduced energy consumption, while also striving to minimise their carbon footprint in response to regulatory pressures and consumer demand.â?

â??Today there are bottle bases on the market suitable for lightweight designs and high production speeds, however, theyâ??re designed for virgin PET bottles. Sidelâ??s StarLITE-R STILL is the only solution on the market specifically developed to address recycled PET that achieves the high performance necessary in this competitive market space.â?

Balancing production speed, material type, and bottle weight presents a complex challenge for manufacturers in maintaining high performance, but the StarLITE-R STILL overcomes these with precise bottle base shaping and efficient material distribution.

Its innovative design can also be seamlessly retrofitted onto existing production lines ensuring versatility and the solution requires a low blowing pressure, further enhancing its sustainability credentials.