

Sidel launches quality control technology for PET bottles

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Sidel, a leader in innovative PET packaging solutions, is launching its latest quality control technology for PET bottles. IntelliADJUST is set to transform customers' ability to produce PET bottles to a high and consistent standard. The smart bottle-blowing control system offers high-performance and easy-to-use technology that enables customers to achieve a consistently higher bottle quality and supports the production of bottles with recycled PET (rPET) content.

IntelliADJUST is a Sidel patented solution which guarantees consistent quality and high efficiency. It works within a closed loop system using interferometric sensor technology, and ensures perfect material distribution, resulting in high production uniformity for PET bottles, including those made from recycled PET.

It also enables consistent bottle quality across various variable production conditions, such as preform storage, workshop temperature and relative humidity. In-line, autonomous bottle control and real-time digitised process adjustments result in perfect material distribution. The impact of changing production conditions and PET resin specificities on bottle quality is significantly reduced when using this expert-free solution.

The addition of Sidel's Evo-ON software suite, offers aggregation of equipment data and dynamic analytics features to deploy historical and 24/7 real-time analysis, creating a brilliant line system.

Stéphane Menard, Product Manager for blowing care at Sidel, explained that IntelliADJUST measures in-line bottle thickness, analyses and adjusts parameters to ensure consistent quality: