

FRUIT PROCESSING *digital*

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Events

Filling & Packaging

Glas, Carton, PET

Maintenance

Market Price Report

Processing

Water Treatment

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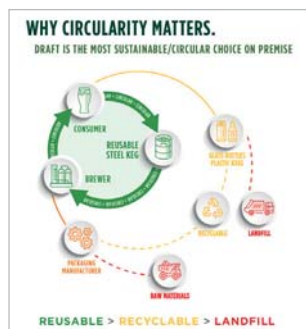
How advanced technology combines an increase in production and sustainability



PACKAGING

New EU regulation for sustainable packaging

In focus: reuse and waste avoidance **42**



The EU Council officially adopted a regulation on packaging and packaging waste at the end of 2024. The binding rules, which apply to all EU member states, cover the entire life cycle of packaging. The aim is to specifically promote reusable and recycled packaging, and significantly reduce the use of single-use packaging. This applies equally to end customers (B2C) and business customers (B2B). As a manufacturing company, SCHÄFER Container Systems has decades of experience and comprehensive expertise in the field of reusable stainless steel packaging and supports companies in implementing the new regulations with innovative packaging solutions for liquid, paste-like and free-flowing medias ...

FILLING & PACKAGING

Overall costs cut, quality improved, carbon footprint reduced

KHS technology boosts value creation in the production process at Schweppes Zimbabwe Limited **46**

A big step towards cutting greenhouse gas emissions: now that KHS has installed an ultramodern non-returnable PET line for Schweppes Zimbabwe Limited (SZL), the bottler's production setup is not only much more efficient but also saves on resources – at an increase in capacity of 300 % compared to the replaced production line...The recent installation and commissioning of a completely new non-returnable PET line had the beverage producer convinced; it is equipped, among other things, with a compact ...



GLAS, CARTON, PET

StarLITE®-R STILL:

Sidel's new high production speed 100 % rPET lightweight bottle base for still products **50**

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

FLAVOURS & INGREDIENTS

Global flavour trends 2025. **52**

Innova Market Insights has been a specialist in consumer-packaged goods trends for 30 years. The company now uses an AI-enhanced platform to analyse insights and observations and generate reports like its report on global flavour trends. Innova's 360 perspective on insights considers many facets of CPG trends, including consumers, categories, packaging, flavours, ingredients, and products. The company takes a top-down and bottom-up approach to identify trends and drivers, including flavour trends. Top-down factors include megatrends and shifts in lifestyle and attitudes. Bottom-up factors incorporate insights from global trend-spotters, as well as category trends. This comprehensive collection of intelligence can be synthesised into reports such as Innova's Top Trends in Flavours for 2025 ...

WATER TREATMENT

Chlorine gas systems:

new electric safety valve makes the system safer 54

Chlorine gas plays a key role in the disinfection of drinking and industrial water. However, handling the chemical can pose considerable health risks – from irritation of the eyes to fatal pulmonary oedema. To further improve occupational safety during use, Lutz-Jesco has developed the VakuStop – a vacuum regulator for dosing systems that is equipped with an emergency stop function to prevent uncontrolled chlorine gas leaks directly at the chlorine gas tank in the event of an emergency. The new product will be on display from 11 to 14 March 2025 at the Aquatech 2025 water technology trade fair in Amsterdam. Lutz-Jesco will also be presenting dosing pumps from the Memdos Smart series for dosing aggressive chemicals as well as electrolysis systems from the Easychlorgen and Minichlorgen series, which safely produce the disinfectant sodium hypochlorite from commercially available salt ...



PROCESSING

The world's largest high pressure processing system 56

With the debut of the QIF 600L High Pressure Processing (HPP) system, Quintus Technologies once again raises the bar in high pressure processing. The new press model offers an impressive 600-litre cycle capacity, the largest in the industry. Its generous 18.5 inches (47 cm) pressure vessel diameter improves load efficiency and accommodates more packages per cycle. Equipped with up to 12 intensifiers, the scalable system can process 9,140 lbs. (4,150 kg) per hour to meet the most demanding production needs ...



MAINTENANCE

Preventative maintenance:

pulling out all the stops 58

Many companies have an annual shutdown where essential maintenance is carried out without affecting production. Senior management are perfectly happy, accepting the fact that no production is taking place for two weeks as contingency measures will have been put in place to build stock levels and ensure customer satisfaction. On the other hand, unscheduled downtime can prove extremely costly and even be an organisation's downfall. When a production line suddenly stops ...

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