

# FRUIT PROCESSING

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Container Systems

Filtration

Hygienic Design

Market Price Report

Process Automation

Process Technology

Warehousing &  
Transporting

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## Modern juice production: decanters – one of the best solutions for producing high quality juices



### HYGIENIC DESIGN

*Holger Schmidt*

**How hygienic & sanitary design powers efficiency on the line . . . . . 150**



It starts with something small. A single droplet of water left to pool inside a crevice. A crack too fine for the naked eye, but just wide enough to trap organic residue. One cleaning step skipped in a rush to get back online. Then come the consequences: a contamination alert. A product recall. A line shutdown. And suddenly, what looked like a minor design oversight becomes a multi-million-pound mistake ...

### PROCESS TECHNOLOGY

*Benedikt & Günter Haider*

**Are you still pressing, or are you already decanting? . . . . . 154**

Germany is still one of the world's leading countries in per capita consumption of fruit juice and fruit nectar. While consumption volumes have been declining continuously over the past few years and Germany no longer ranks first, sales increased slightly last year due to higher prices and diversification ... Filling juices into bottles in as natural and unaltered a state as possible begins with juice extraction. Oxidative processes triggered in early production stages can intensify throughout the process – especially during thermal stabilisation ...



### FILTRATION

**New Eaton BECO CARBON ACF 04 depth filter sheet closes the final porosity gap for maximum adsorption in demanding applications. . . . . 158**



Activated carbon filter sheets for a wide variety of applications: With the introduction of the new BECO CARBON™ ACF 04 depth filter sheet, Eaton is expanding its portfolio of activated carbon-containing filter media and now fully covers all relevant porosity ranges. This enables users in the pharmaceutical and biopharmaceutical, cosmetics, food and beverage as well as fine chemical industries to benefit from maximum adsorption of organic impurities ...

### PROCESS AUTOMATION

**Expansion through advanced automation and digital technologies . . . . . 160**

Siemens is collaborating with DrinkPAK, one of North America's largest canned beverage manufacturers, to automate its new, state-of-the-art manufacturing facility in Fort Worth, Texas. Through a unique combination of advanced automation, smart infrastructure and tailored financial solutions, Siemens helps DrinkPAK scale its operations, maintain industry-leading reliability, maximise energy efficiency and enable sustainable decision-making ...

**CONTAINER SYSTEMS**

**Fit for the next deployment:**

**KEG service for volume reduction, refurbishment and retrofittings . . . . . 162**



As one of the leading manufacturers, SCHÄFER Container Systems offers manufacturer-independent services for stainless steel returnable KEGs that keep containers functional in demanding applications and adapt them to new requirements. The range extends from repairs to PU cladding, sockets and weld seams through the replacement of PP rings as well as inspection and replacement of fittings, to logo neutralisation and new logo application. In addition, services include the refurbishment of chime and base rings, polishing as well as retrofitting with transponders for traceability and efficient container management ...

**WAREHOUSING & TRANSPORTING**

**New circular pallet, setting a benchmark for sustainable FMCG logistics . . . . . 164**

Tosca’s new circular pallet developed in partnership with Cabka provides modern supply chains with a PPWR-compliant, automation-ready and circular alternative to one-way packaging. This innovative pallet delivers efficiency, safety and sustainability from production to retail ...



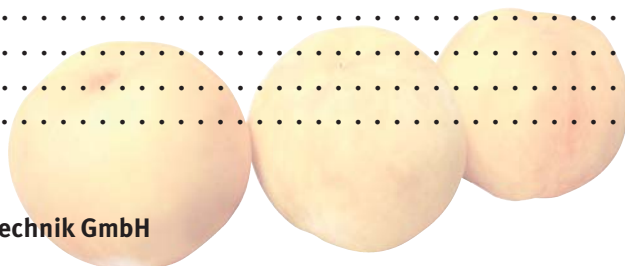
**MARKETS**

**Monk fruit beverages market to reach USD 4.34 billion by 2033 . . . . . 166**

According to our Growth Market Report, the global monk fruit beverages market size reached USD 2.14 billion in 2024, driven by growing consumer demand for natural and low-calorie sweeteners. The market is projected to expand at a robust CAGR of 8.6 % from 2025 to 2033, reaching a forecasted value of USD 4.34 billion by 2033. This growth is primarily attributed to increasing health consciousness, rising incidences of diabetes and obesity, and the global shift towards clean label products. The monk fruit beverages market is witnessing heightened innovation and product launches, particularly in functional and flavoured beverages, as consumers seek alternatives to sugar-sweetened drinks ...

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**INSERT NOTE: Centrimax - Winkelhorst Trenntechnik GmbH**

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