

FRUIT PROCESSING



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Automation
Digitalisation
Filtration
Flavours & Ingredients
Labelling
Market Price Report

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Consumers are looking for healthy, sustainable and natural food and beverages

FLAVOURS & INGREDIENTS

Healthy, sustainable and natural: these are the trends for the food and beverage industry in 2021. 78

More than ever before, the past few months have brought about an increased level of environmental and health consciousness amongst consumers. Plant-based products, produced and processed in a sustainable manner, as well as those with health-promoting benefits, are the main focus here. This development has been in the works for years and has only been accelerated through the events of the past year. Consumers are more at home and take time for their meals. If fruit bars were particularly popular in the past as snacks on the go, we are currently experiencing a significant increase in the consumption of breakfast cereals, for example. Beverages which people would otherwise consume in bars have now become a staple at home (in smaller packaging sizes), while ready-to-drink products are in demand. Consumers are researching more and are also increasingly purchasing their food and beverages online. What trends can be expected with regard to the food and beverage industry in 2021 ...



FILTRATION

Eaton HAYFLOW filter elements are a sweet success in improving both the safety and performance of liquid sugar processing operations 82



One of the largest producers in the sugar industry traces its roots all the way back to 1799 when Louis and Fredrick Havemeyer went into the sugar business in New York. Today the company descended from that enterprise produces 6.5 million tons of sugar annually from plants in the Americas and Europe. Of course, the granulated sugar used to sweeten a morning coffee is only one of many sugar-based products included in that 6.5 million tons. Liquid sugar is the sweetener of choice for many foods and beverages and it's produced ...

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DIGITALISATION

Four winners – digital solutions for the beverage industry 86

The future looks very promising. A joint study by VDMA and the management consulting company McKinsey & Company investigates just how far product and service portfolio digitalisation has advanced in mechanical engineering. They state that the revenue share for digital platforms and value-added services is only around 0.7 percent (about 6 billion euros) of the total European mechanical engineering revenue (around 850 billion euros) ...



LABELLING

Henkel introduces Technomelt Supra ECO to offer greater sustainability without any compromise in performance 90

Henkel has launched Technomelt Supra ECO – a new range of hot melt adhesives that delivers greater sustainability and lower CO₂ emissions while maintaining the performance of the Supra range. The innovative products are the result of a successful partnership with Dow, which developed a bio-based polyolefin elastomer that can effectively substitute fossil-based materials. The International Sustainability & Carbon Certification (ISCC)-process will guarantee traceable sourcing so packaging manufacturers will have a dependable way to advance their sustainability goals ...

AUTOMATION

JUMO Technology for the Digital Age. 92



Global data volumes are growing exponentially as a result of digitalisation. More and more industrial processes are being monitored, analysed, and automated using sensors. The new JUMO Cloud and the JUMO smartWARE SCADA make an important contribution to the development of the intelligent factory of the future. For many years, JUMO has been evolving into a supplier of industry-specific complete solutions for which JUMO also produces the complete hardware. The JUMO portfolio stretches from sensors for various physical measurands to controllers, paperless recorders, and powerful automation systems ...

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