

FRUIT PROCESSING

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Electronic
Components

Flavours &
Ingredients

Food Waste

Market Price Report

Robotics

Sustainable
Packaging

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**Flavour is more than taste
– it's lifestyle**

FOOD WASTE

Tal Leizer

Turning agricultural waste into gold:

The GOLDEN WASTE revolution in the fruit processing and juice industry 294



Every year, vast quantities of fruits and vegetables are harvested but never consumed. Despite farmers determinations to produce the highest yield possible, up to 20 percent of fruit and vegetable loss occurs in agricultural production. The fruit processing industry, particularly juice production, is a major contributor to this problem, generating staggering amounts of waste: peels, seeds, pits, pulp, and contaminated water. For example, An average of 34 % of citrus

fruits are processed into juices leaving around half of their weight as waste (mainly peel, seeds and pulp); annually reaching 24.3 million tons per years ...

SUSTAINABLE PACKAGING

SIG launches world's-first alu layer-free full barrier solution for multi-serve aseptic cartons, further reducing carbon footprint by up to 61 % 298

SIG, a pioneer of aseptic carton packaging without aluminium layer, announces the commercial launch of another industry-first: SIG Terra Alu-free + Full barrier for multi-serve aseptic cartons. Building on the success of this groundbreaking packaging material innovation in the field of single-serve cartons – with over 300 million packs sold in China since 2023 – SIG is scaling up the world's first, aluminium-layer-free full-barrier packaging material to multi-serve aseptic cartons and ready to provide it at scale to customers around the globe ...



Grupo GEPP PepsiCo bottler boosts sustainability with returnable PET and glass lines by Sidel 300



Sidel supported Grupo GEPP, PepsiCo's exclusive bottler in Mexico, to install expanded returnable PET and glass bottling lines to meet growing consumer demand and sustainability goals. Grupo GEPP operates 44 production facilities dedicated to the manufacturing and distribution of renowned international brands, including Gatorade, Lipton, Pepsi, and 7Up and owns the brands Epura and Garci-Crespo. With a workforce exceeding 46,000 employees, Grupo GEPP stands as one of the largest ...

FLAVOURS & INGREDIENTS

Look ahead 2025:

five forces shaping taste 302

In an increasingly complex world, taste remains one of the most powerful connectors between people, culture and experience. But in 2025, flavour is no longer just about what tastes good – it's about what feels meaningful, personalised and future-facing. It's about delivering delight in a moment of chaos, comfort in the face of climate shifts and trust in a time of transformation ...

SUSTAINABLE PACKAGING

Newcomer with ambition

Gürok establishes a new mineral water brand on the Turkish market. 306

With its beverage brand AVOYA, Turkish conglomerate Gürok is branching out into a totally new market. “Go big or go home” is the motto here – with the help of profound expertise and powerful technology from KHS. For some time now KHS has been in close consultation with the Gürok Group as to whether and how the conglomerate should and could branch out into the beverage industry with its own range of mineral water – a logical consideration for one of the world’s biggest manufacturers of glass tableware and glass bottles ...



ROBOTICS

Mitsubishi Electric MELFA RV-CR and RH-CRH series: bridging skills gaps with robotics. 308

The global manufacturing landscape is increasingly embracing robotics, as evidenced by a substantial rise in installations worldwide. According to the World Robotics 2024 Report, over 4.28 million robots are now operating in factories, marking a 10 % increase, with annual installations surpassing half a million units for the third consecutive year ...

ELECTRONIC COMPONENTS

Henry Martel

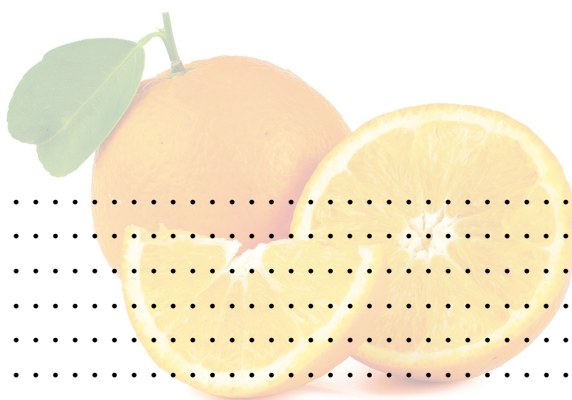
Understanding the IP67 rating for industrial networking devices. 310



Dust and water are enemies of sensitive electronic components. Once these contaminants are inside a device’s enclosure, critical components may corrode and deteriorate, leading to overheating and eventual malfunction. Prevention relies on the enclosure’s sealing effectiveness. So, how can we determine whether an enclosure suits the industrial environment in which it is deployed? ...

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