



# FRUIT PROCESSING

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Aseptic Filling

Events

Inspection Systems

Market Price Report

Recycling

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# CONGRATULATES TO THE ANNIVERSARY



**GESELLSCHAFT FÜR  
LEBENSMITTEL-FORSCHUNG MBH**

# SINCE 1984

ANALYSIS. QUALITY. SAFETY.

### EVENTS

**ERBSLÖH Juice and Fruit Wine Seminar 2024 . . . . . 150**



From 21–22 March, ERBSLÖH Geisenheim GmbH, in cooperation with Bucher Unipektin AG, held its ‘Juice and Fruit Wine Seminar 2024’ in Rotenburg an der Fulda (Germany). The agenda for the more than 80 participants included exciting presentations on the main topics of applied research, apple processing, non-alcoholic (fruit) wine concepts and citrus fruit processing ...

### INTERVIEW

**40 years of experience in analysis, quality and safety . . . . . 154**

On the occasion of the 40th anniversary of GfL (Gesellschaft für Lebensmittel-Forschung mbH) in Berlin, we had an interview with the Managing Director Mikko Hofsommer. GfL is one of the world wide leading laboratories in the field of fruit and vegetable juice. They analyse about 16.000 samples per year on adulterations and authenticity ...



### ASEPTIC FILLING

**Optimising the efficiency of aseptic filling with Big Data and AI: A paradigm shift in production . . . . . 158**



Aseptic filling, a crucial process in the production of sterile products, is undergoing a significant transformation with the adoption of Artificial Intelligence (AI) and Big Data analytics.

Traditionally, aseptic filling has relied on manual processes and static control systems, leading to limitations in efficiency, flexibility, and data-driven decision-making. However, the landscape is changing with the increasing adoption of AI and Big Data. These technologies offer significant potential to revolutionise aseptic filling, promising heightened efficiency, enhanced flexibility, and data-driven decision-making capabilities ...

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**RECYCLING**

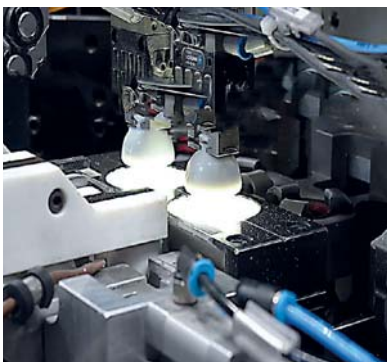
**Recycling for the future. . . . . 163**

Packaging specialist ALPLA is currently building a recycling plant in the Mexican state of Tabasco together with beverage bottler Coca-Cola FEMSA. The joint venture is investing around 60 million US dollars in the new high-tech PLANETA plant, which will be able to recycle more than 50,000 tons of used PET bottles per year. The material comes from 18 collection points set up specifically for this purpose, where it is delivered by intermediaries who have previously purchased it from regional collectors. In total, the plant will create around 20,000 direct and indirect jobs ...



**INSPECTION SYSTEMS**

**HALCON reliably checks bottle cap imprints . . . . . 164**

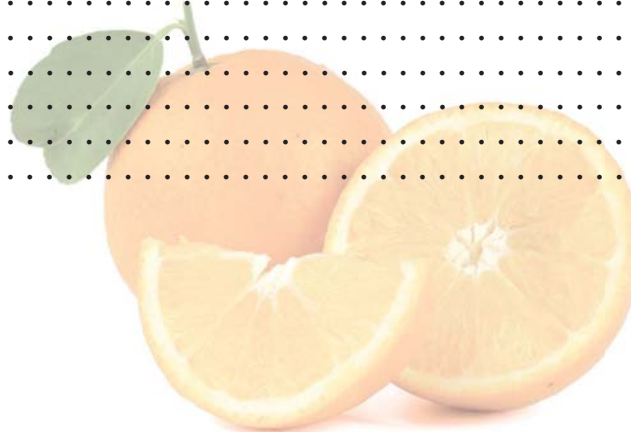


Machine vision offers enormous advantages for many areas of application, such as quality assurance. In addition to high accuracy and speed, high flexibility and availability are also important for practical use. K&S Anlagenbau GmbH has implemented such an application for the beverage industry with the help of the consulting company Computer Vision Solutions. In this application, the machine vision software MVTec HALCON is used.

The production of bottles and bottle caps in the beverage industry is highly automated. The reason is simple: large quantities have to be produced quickly and reliably. It is important that the processes keep pace with the speed but also with the quality requirements ...

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