

FRUIT PROCESSING *digital*

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Analytics

Filling Systems

Market Price Report

Quality Control

Science & Research

Sustainable
Agriculture

APRIL
4/2021

INTERNATIONAL JOURNAL FOR THE FRUIT PROCESSING, JUICE AND SOFT DRINKS PRODUCING INDUSTRY

FRUTCO®

MANGO

CONVENTIONAL | ORGANIC | SUSTAINABLE

FINEST MANGO PUREE AND PUREE CONCENTRATE

We offer a wide range of varieties, from conventional, organic, Fair for Life, Rain Forest Alliance, Global Gap and this for Alphonso, Kesar, Totapuri.

As the season approaches and processing begins at the end of April, we would be happy to talk with you about your needs. This way we can plan the right amount of fruit varieties you need for your products.

Feel free to contact us at info@frutco.ch

Frutco® also carries other fruits and varieties:
Banana, guava, pineapple, passion fruit, cocoa fruit and more!

You can learn more about this on our websites:
frutco.ch and fruit-group.net


FRUIT GROUP
FRUTCO AG



SCIENCE & RESEARCH

Technion students use viruses to prevent spoilage of fruit juices 114

Technion students have harnessed viruses found in the environment of fruit trees to prevent spoilage of fruit juices – a phenomenon that causes tens of millions of dollars’ worth of damage each year. The development earned the students from the Technion’s Faculties of Biotechnology & Food Engineering, and Biology, first prize in a competition held as part of the MicroBiome-Push project conducted within “Food Solutions,” an educational program of the European food consortium, EIT Food ...

ANALYTICS

High-tech particle sizing. 116



Whether in the field of production and quality control, research, development or the analytical laboratory, particle measurement is essential in many areas. This requires reproducible results, as with the FRITSCH Particle Sizers. But the choice is not always easy and must be specially adapted to the application. You can distinguish between different measuring principals ...

FILLING SYSTEMS

On the spot: Big Bottling Company invests in a powerful PET line from KHS 118

A young company in Nigeria with plans for growth has opted for KHS for its new PET line. The Dortmund systems supplier has proved especially convincing with its local team that installed the system with practically no outside

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help. With over 200 million inhabitants Nigeria is already by far the most heavily populated country in Africa. In the next 30 years the United Nations reckon on this number doubling, meaning that by 2050 around 410 million people will live here. After India and China, the country of Nigeria will then have the world’s third-largest population. The supply of drinking water is inadequate: until a few years ago only one in two people had access to clean water ...



QUALITY CONTROL

Every liquid has a fingerprint and now it can be measured in real time 122



A new radio wave-based analysis technology, developed by the Finnish high-tech company Collo, makes it possible to continuously monitor the state of any liquid in industrial processes, be it thick slurries, resins, adhesives, coatings, emulsion, beer, water or any other fluid. Collo’s technology is based on an electromagnetic resonator that emits a continuous radio frequency field into the liquid. The signal reacts to ...

Retail chains demand high food safety standards 124

Although compressed air plays a key role in food and beverage production, its impact on food safety is often underestimated. The tough regulatory requirements to ensure health and hygiene standards in food processing and production are one key consideration; the other is the market clout of the major retail chains ...

SUSTAINABLE AGRICULTURE

Increasing crop yield while using less water 126

Smart farming is one answer to the question of how to deal with challenges of the future. The IrriMode project in Saxony-Anhalt has taken this approach on board and is working toward self-sufficient agriculture that can endure climate change. Initial tests have been very promising. Smart farming is also known as digital farming or e-farming, and is often referred to as “Agriculture 4.0” and “Farm 4.0” in Germany. But its name is of secondary importance – what really matters is its objective. It aims to respond to overpopulation, the global hunger that inevitably comes with it and, most importantly, climate change ...

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