



FRUIT PROCESSING

digital

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Filtration

Hygienic Design

Industry 4.0

Market Price Report

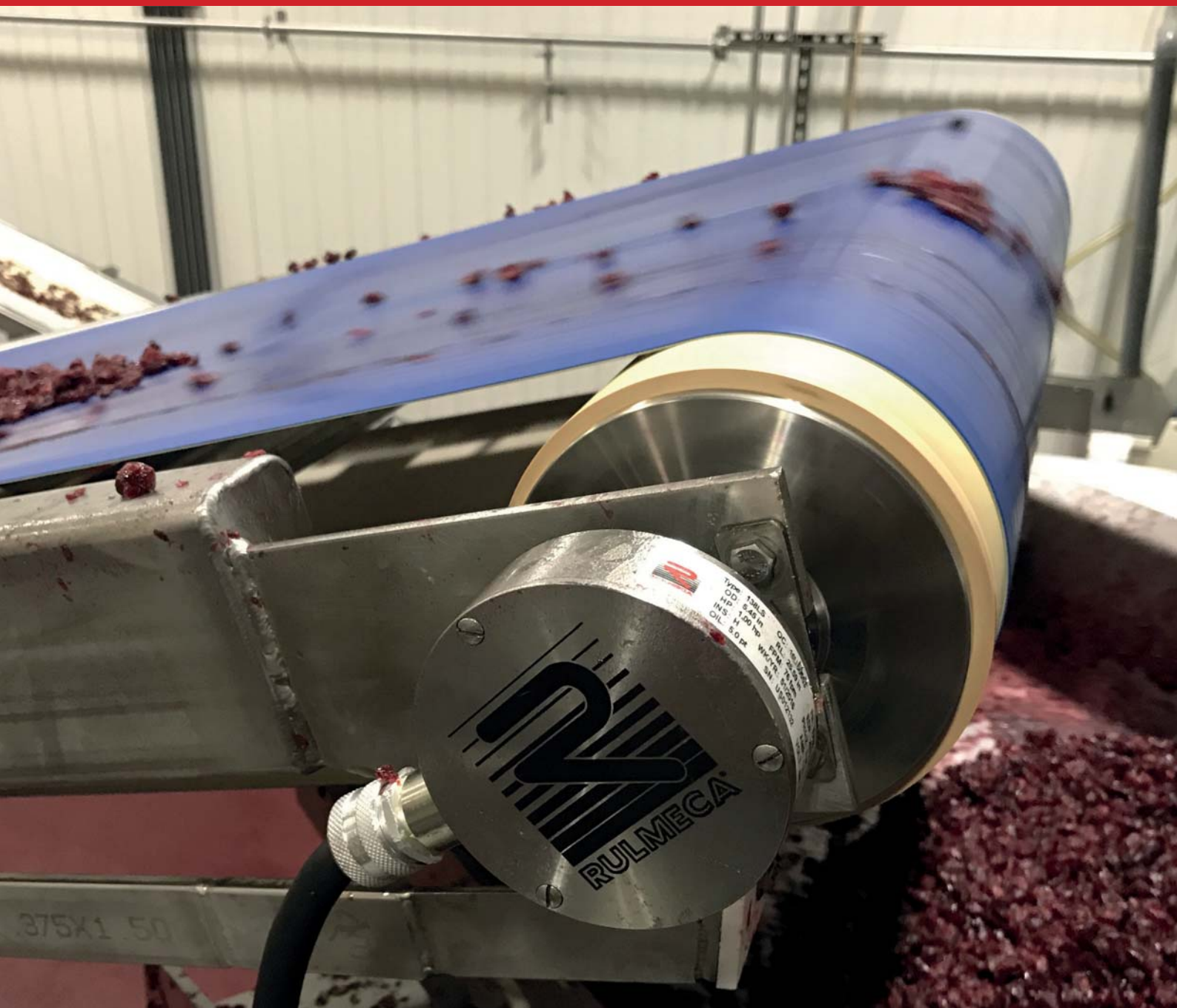
Process Technology

Raw Material

Water Treatment

FEBRUARY
2/2019

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



CONVEYING MOIST FRUIT – A CHALLENGE

New Publication!

The production of apple juice is a carefully engineered sequence of technological measures aimed at extracting the valuable, flavoursome, enjoyable and desired contents from apples and presenting them to the consumer in the very best packaging.

With this book, up-to-date information is now available to practitioners keen to learn what's new in the increasingly automated production. The book sheds light on the back-ground to modern apple juice technology without delving too deeply into scientific detail.

This book is intended to be of service to school and college students, skilled and master craftsmen and engineers.

It will help to answer the many questions about "How does that work?", "Is there an alternative to this method?" and "Can I do something better in my operation?".

Content: raw material, juice extraction technology, juice treatment, manufacture of apple juice concentrates, yield calculation from various juice extraction methods, recycling of pomace and sludge.

Now available for order

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PROCESS TECHNOLOGY

Conveying moist fruit

Cranberry processing with Rulmeca drum motors 42



Does cranberry conveying count as unit or bulk handling? The categorization doesn't really matter; what is important for processing is that machines and conveyor technology operate under extreme conditions as the fruit is moist and sticky. This means that the systems must be cleaned regularly. Hermetically sealed drive technology in the form of drum motors is the first choice under such circumstances ...

INDUSTRY 4.0

Smart Factory Solution

SIG creates a new monitoring and control solution to optimize every angle of filling operations 44

With food and beverage manufacturers facing a new level of production challenges, SIG has developed Plant 360 Controller – a new digital monitoring and control solution to optimize every angle of filling plant operations.

Today's filling plants are operating on an unprecedented scale with higher demands, growing competition, and ever-shorter production cycles. But with multiple systems running independently, an increasing number of data sources, and equipment from several different suppliers, these plants are becoming increasingly complex to manage ...

IMPRINT

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HYGIENIC DESIGN

SKF sets new standard for hygienic design with ground-breaking Food Line ball bearing units 46

Innovative ball bearing units expand hygienic-design possibilities, while delivering improved reliability, reduced maintenance costs, and increased sustainability for food and beverage companies. With companies striving to perfect a proactive approach to food safety, SKF is launching the new Food Line ball bearing units ...

FILTRATION

Filtration of well water at Thatchers Cider. 48

Thatchers Cider, a renown British cider producer, has installed a purification system for well water. As a part of the company’s sustainability strategy, the water from its own well can now be used for cleaning processes in the production. A three-stage filter system from Donaldson with backflush systems creates a high level of ...

WATER TREATMENT

CCA brewery in Guatemala will reach 97 % water quality improvement with GWE’s waste-to-energy technologies . 50

Cervecería Centro Americana (CCA), a brewery located in Guatemala, is enhancing its environmental performance by using Global Water & Energy (GWE) technologies to convert wastewater into biogas while achieving effluent quality improvements of 97 % in organic matter removal. The brewery based in Guatemala City will treat its wastewater with a combination of GWE technologies in order to remove contaminants and generate green energy ...

EVENTS

Interpoma 2018 – Everything revolves around apples in Bolzano 52

With 489 exhibitors from 24 countries and 20,000 visitors from over 70 nations, the eleventh edition of Interpoma was more international than ever. Bolzano was able to further consolidate its reputation as the apple capital of the world ...

RAW MATERIAL

Noni (*Morinda citrifolia*) 54

Morinda citrifolia is a fruit-bearing tree in the coffee family, Rubiaceae. It is a shrub native to Southern and South-East Asia and the Pacific islands, and is even mentioned in ancient Ayurvedic texts. “The fruit of the noni has been used medicinally to boost the immune system and detoxify the body for thousands of years” ...

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