



FRUIT

PROCESSING

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Food Colours
for Soft Drinks

Glass, Carton, PET

Ingredients

Inspection Systems

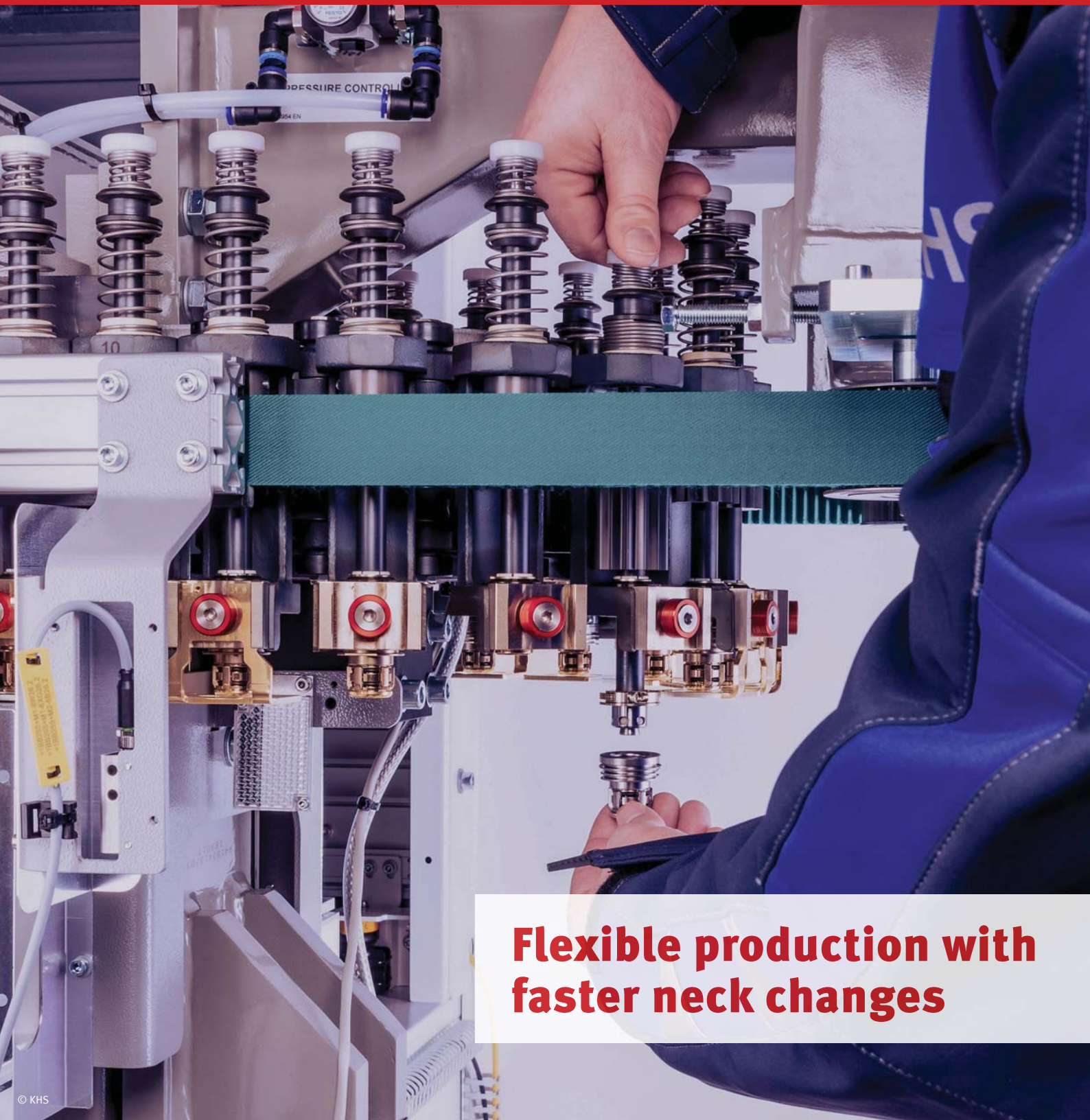
Market Price Report

Presses

Robotics

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



**Flexible production with
faster neck changes**

FOOD COLOURS FOR SOFT DRINKS

Embracing the ‘real thing’: The benefits of fruit-based taste and colour in soft drinks 114

How exactly is ‘clean label’ defined today? According to a recent FMCG survey, 75 % of consumers define it as ‘naturalness’, while two thirds believe it means “free from synthetics”. When the official definition was provided to these individuals – that clean label foods and beverages have ‘minimal substances with negative connotations such as artificial colourings, preservatives and flavourings’ – 78 % of the audience found ...

GLASS, CARTON, PET

Flexible production with faster neck changes on the stretch blow molder 118



Whereas in the past only one category of product was usually run on aseptic lines, bottlers of sensitive beverages now face an ever-growing demand for flexibility. Beverage producers who process both aseptically filled beverages and juice and carbonated soft drinks need to use 38-millimeter bottle necks for the former and containers with 28-millimeter openings for the latter. If the bottle neck is to be changed on a PET line, however, to date a comparatively large amount of effort was required to convert the stretch blow molder in particular. Machines were often stopped for up to four hours, tying up the often very few operators of the same for a disproportionately long period of time. With its new, simplified neck changeovers KHS has now ...

Packaging cannot be considered in isolation from its product 120

Despite its ambitious measures, the Proposal for a revised Packaging and Packaging Waste Regulation presents significant drawbacks in certain aspects, like reuse. In its current wording, the Regulation can jeopardize food and consumer safety in Europe. The Packaging and Packaging Waste Regulation (PPWR)’s ongoing revision is a huge opportunity to advance packaging circularity across the EU. Many industries are already making massive investments in material innovation, recyclability and reusability to comply with the Circular Economy Action Plan’s targets and meet the EU Green Deal’s overall ambitions ...

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ROBOTICS

Robots in material handling require reliable wireless communications 122



As its name implies, material handling is the movement, storage, and logistic control of materials as they travel throughout a supply chain system. From the input of components into a manufacturing plant, to warehousing parts and the production and distribution of assembled products, to their disposal, recycling, and reuse. Material handling has long been a tedious, physically demanding job. Workers expose themselves to danger every time they conduct tasks such as manual labour such as loading and carrying heavy parts or moving loaded pallets with forklifts onto towering storage racks. In addition, material handling processes are plagued by ...

INGREDIENTS

New clinical study finds powerful anti-aging benefits in four-botanical blend. 126

Polyphenol-rich blend of botanicals from Suanfarma, shown to preserve telomeres: the body’s primary skin rejuvenator. A new clinical study supports powerful anti-aging skin benefits of Eternalyoung®, a blend of four botanical ingredients from Monteloeder S. L., a subsidiary of Suanfarma ...

PRESSES

Recycling of cans and disposal of labels at OeTTINGER using drainage presses from WEIMA 128

The world-famous Bavarian Brewery OeTTINGER is one of those companies that does not need to advertise their sustainability – they live and breathe sustainability. WEIMA’s presses for removing labels from glass bottles and for recycling cans are operated at several locations to dewater and compact waste materials in one process step. The challenge: huge production volumes ...



INSPECTION SYSTEMS

Thermal imaging cameras in the food industry 130



In the food industry, it’s essential to carefully control the temperature of perishable goods throughout production, transportation, storage, and sales. Repeated warnings about illnesses due to tainted and improperly cooked foods highlight the need for tighter process control. Because this almost always involves a human factor, food processors need tools that automate crucial operations in a way that helps minimise human error while holding down costs. Thermal imaging cameras are such a tool. Using FLIR thermal imaging cameras, you can ...

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