

World premieres in Paris



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 (All photos: Kimberly Wittlieb)



A view into hall 6 – only one of the three – gives an impression of the widespread and manifold offer of Emballage 2012

Reaching approximately the same numbers of visitors and exhibitors like in 2010, the 40th Salon International de l'Emballage underlined its position within the top flight of European packaging fairs. When it closed its doors on 22th November 2012 after four days term, the organisers counted around 85,000 visitors, of which more than a third came from abroad into Parc des Exposition in Villepinte north of Paris. They saw the offers of about 1,300 exhibitors plus 500 represented companies.

High expectations were not disappointed. Within the mix of branches, experts of the dairy industry could find many interesting innovations.

Packaging technology

Ishida Europe launched a new version of its well-known QX-775 tray sealer, named QX-775 Flex. Built for processing MAP trays (modified atmosphere packaging), it combines a compact design with

high speeds up to 15 cycles per minute and fulfils maximum hygiene standards. ishidaeurope.com

Multivac showed the prototype of its compact, only 2.10 m long thermoforming machine R 095 e-concept as smaller sister model of the 105 version. Using electric driving technology, there is no air pressure connection nor water access required. Therefore the machine, that realizes cut-off lengths up to 300 mm, allows for a very flexible installation and should be ideally suited for starting into automatic thermoforming. multivac.com

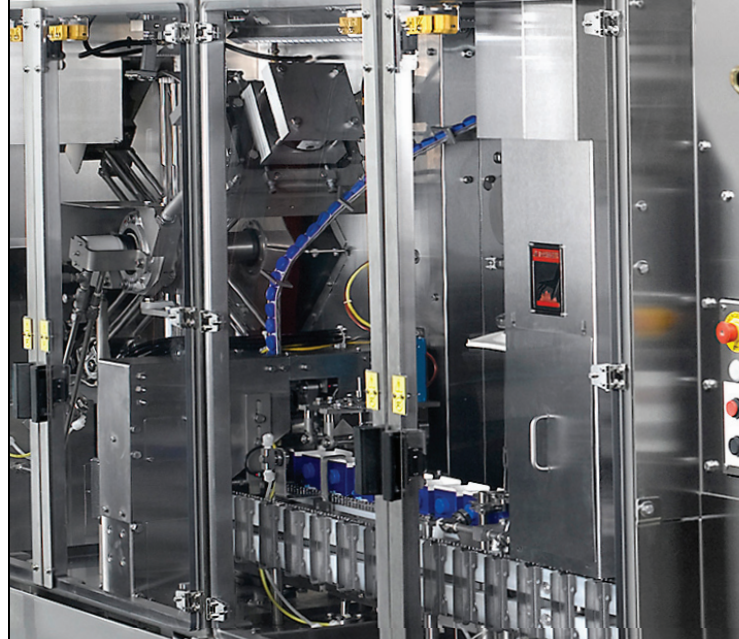


Prototype of compact thermoformer R 095 e-concept by Multivac

As pioneer and world leader in shrinksleeve business **Sleever International** presented its new high-capacity machine Combisteam. 100 per cent electronically and equipped with servodrives, it speeds up to 30,000 bottles/hour in a single-head version respectively 60,000 units/h dual head in line or in parallel. The machine is designed to handle containers of diameters from 16 to 125 mm and bottle heights between 40 and 350 mm. It is compatible with all existing sleeve materials such as PET, OPS or TPE and processes thicknesses from 20 to 120 µm. Moreover, it can be equipped with a series of peripheral accessories, for example with a full micro-perforation unit, an auto-control vision system, a marking/coding device or a separate non-stop reel changeover unit. sleever.com



Shrinksleeve machine Combisteam by Sleever International



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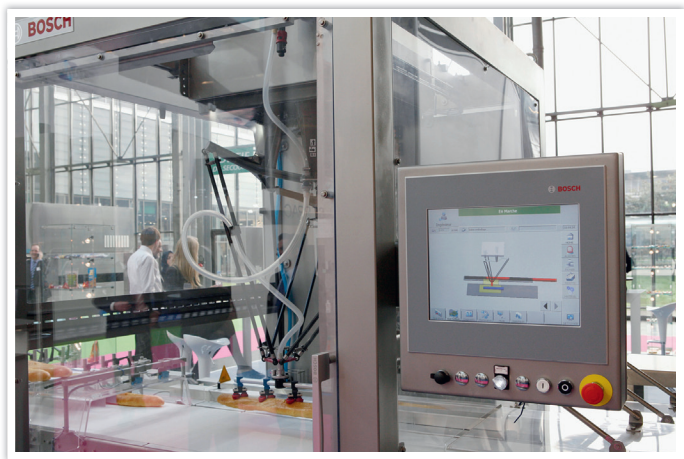
*Speeds dependent on application.

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Robotics

Bosch Packaging Technology introduced Gemini 4, a new Delta robot control platform now implemented throughout its range of high speed robotic pick and place machines. It can control up to eight robots and 16 conveyors. This is twice as many as the previous platform Gemini 3, while increasing flexibility and reducing complexity. The system now consists of standard off-the-shelf components with drives from Bosch Rexroth and an industrial PC from Beckhoff.

The same components are utilized in some of company's vertical baggers and horizontal flow wrappers, reducing spare parts inventory for lines when Bosch form, fill and seal machines are deployed together with the Delta robot types Paloma, Delfi, Presto or Astor. The use of Bosch Rexroth motors improves the torque capability with manufacturers benefitting from a 20 per cent increase in speed and boosting output. boschpackaging.com



Delta robot control platform Gemini 4 by Bosch Packaging Technology

Stäubli International highlighted its TP80 fast Picker robot, achieving peak rates of over 200 picks per minute when handling weights up to 100 gr. The four-axis robot has a reach of 800 mm and allows a max. load level of 1 kg. Also under this condition it still guarantees results close to 200 picks per minute, even in continuous operation.

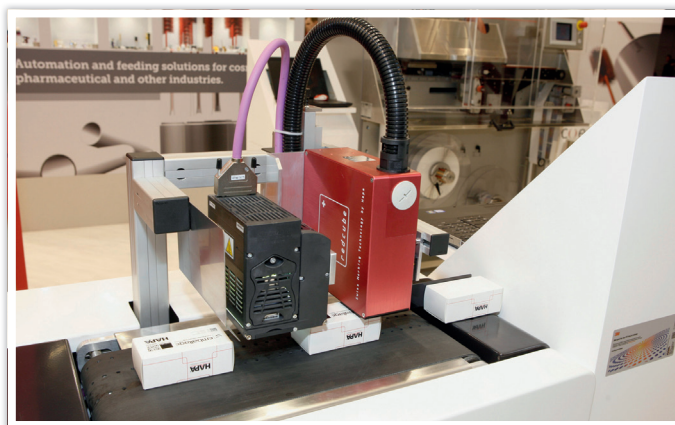
By a self-weight of only 68 kg and because of a very compact construction the IP54 standard (IP65 with bellows) fulfilling pick and place unit can be easily integrated into numerous kinds of processing lines. staubli.com/robotics



TP80 fast Picker robot by Stäubli

Marking and printing systems

Hapa (Coesia Group) brought Redcube to series-production readiness after it had been shown at Interpack 2011 as prototype. It is a compact Drop on Demand Piezo inkjet printing module using UV cured inks for integration into high-end marking processes. Even white color can be used. The range consists of 14 variants for direct vertical/side or horizontal/top side printing with continuous or intermittent print speeds up to 60 m/min and a print resolution of 360 or 720 dpi. The maximum vertical print width is 36 mm, the horizontal either 36 or 72 mm. There are two brandnew models with print widths of 144 and 216 mm, speeding up to 30 m/min. hapa.ch



UV cured inks using DoD Piezo inkjet printer Recube RC 36 SL by Hapa

At the booth of **Linx Printing Technology Ltd.** the inkjet printers IJ 355 und IJ 375 had their debut. They are specialized in coding large characters to cases respectively cartons in a high resolution of 180 dpi and differ in the print height of 53 or 70 mm. Both printers realize a print length of 2,000 mm and a maximum print speed of 550 mm/s. linxglobal.com



Large character inkjet printers IJ 355 and IJ 375 by Linx

Primera Technology Europe showed its new FX1000e label matrix removal system as perfect accessory to the digital CX1000e color label printer. With 2,400 dpi print resolution and a production speed of 5m/min., it delivers professional full-color print quality and is ideally suited for short- to medium-run jobs of pre-die cut label material. Using dry toner laser technology, the printer processes many different label materials including pressure-sensitive plain papers, white



Label matrix removal system FX1000e by Primera



Case packer EN15 by Paker

and clear polyesters or an all-new selection of eco-friendly substrates.

In a combined automated process the FX1000e removes the waste label matrix while slitting and rewinding the printed labels to finished rolls. It is available either with a single or double rewriter mandril. primera.eu

End-of-line-devices

Cermex (Sidel/Tetra Laval Group) came out with the new top loading case packer Flexi-Case. With a speed of 40 cases/min., 20 sqm footprint and an extensive scope in case handling, the multi-function machine fills the gap between a smaller and a bigger model within the range. 17 servo drives enable the forming, loading and sealing and ensure a remarkable fluidity and accuracy of packaging products such as plastic or glass bottles.

The new generation of Cermex' PR robot palletizer was presented as the first machine to come from the synergy by the merging with Newtec. The innovated version of the two-station palletizing unit integrates a solution for 100% interactive machine operation. The position of the operator in relation to the



The new generation of Cermex' PR robot palletizer integrates a laser scanner controlled 100 per cent interactive human/machine relationship to automatically adjust the robot speed, when the operator enters the enclosure

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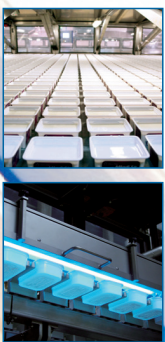
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SpiralConnect by AmbaFlex is a new all-in-one solution for combined horizontal and vertical conveying

robot triggers the machine to slow down or eventually stop. The operator's position is continually analyzed by laser scanners in order to automatically adjust the robot speed. The unit also features PalDesigner, a configuration and simulation tool for different palettizing solutions, as well as a gripping head and safety mechanism fitted with the latest technology to protect product integrity. cermex.com

Another case packer debuting was the model EN15 by **Paker**. It is designed for integration into a dairy products or beverages multipack line without any linking conveyor. Having no electrical cabinet and using the multipacker's control unit, the case packer is very compact and flexible. Its format can be configured for one or two layers, while its speed depends on the number of one up to three grippers installed. A possible performance is 28,000 yoghurt cups per hour respectively 15 trays per minute, filled with 24 units. paker.com

Dutch specialty conveyors supplier **AmbaFlex** demonstrated for the first time its all-in-one solution SpiralConnect as a combination of two well-known components. By extending the elevator SpiralVeyor with the modular conveyor system AmbaVeyor, a complete horizontal and vertical product transport line can be created, using only one belt type and one drive and therefore resulting in lower costs. ambaflex.com

Packaging innovations

Optipack, a leading European manufacturer of thermoformed PS and PP pots and PET preforms presented Sleeve-like-Print in addition to the range as a new decoration variant, e.g. for yoghurt cups. It



Two samples of Sleeve-like-Print-technology by Optipack – in the middle with matt finish and a high-gloss version at the right – clarify the improved appearance compared to the common cup at the left



Patented Handlepack 450 by Cypack even realizes the application of carry handles in 45° angle

bases on an innovative printing technology created in the company's own development department. It realizes a printing from top to bottom including a stacking rim and results in an almost perfect copy of an original sleeved pot. Initially, they are offered matt-finished. A high-gloss version will be available from second half of 2013. The biggest advantage of the imitations should be that they are some of 35 per cent cheaper than the sleeved equivalents. optipack.de

Handlepack 450 from **Cypack** is a new machine with a patented system to apply adhesive carry handles up to 450 mm in length to all types of multipacks and individual products packaged in paper, corrugated board or shrink-wrap foil. Its completely mechanical design with no pneumatic components ensures higher versatility as well as higher efficiency and reliability. Carry handles can be even applied in a 45° angle. The machine reaches a speed of 80 handles per minute. cypack.fr



On the occasion of 40th Emballage, Designer Fabrice Peltier created a jubilee torte by different packagings of numerous well-known manufacturers

Ingredia Group

Creation of Ingredia Functional

Ingredia Group has created Ingredia Functional as a business unit specialized in high-value-added dairy ingredients and functional systems for the food industry. With 50 years of experience and presence all around the world, Ingredia group is a main actor in the sector of the dairy ingredients. Dairy powders, proteins, functional systems and bioactives form the range.

To be nearer to customers' expectations and activities is the reason for establishing Ingredia Functional. The company offers solutions for cheese manufacturing, fresh dairy products, dairy beverages, frozen creams and desserts, among others. ingredia-functional.com

Stern-Wywiol Group

Gulfood/Ingredients Middle East 2013

The Stern-Wywiol Gruppe will be presenting innovative new products at Gulfood / Ingredients Middle East 2013.

Hydrosol

Hydrosol, one of the leading suppliers of stabilising systems, will be showing new functional systems for the fast and simple production of milk beverages, without requiring high-pressure homogenisation. Another innovation is stabilising systems that protect the proteins in yogurt drinks like dough or ayran, prevent syneresis and keep the product stable. Hydrosol also has new, carefully balanced hydrocolloid and protein mixes for cheese preparations. They stabilise the consistency of various end products like pizza cheese, cream cheese slices and recombined alternatives, and help reduce production costs.

SternEnzym

SternEnzym will be showing Dairyzym Y 50 L, a new generation of lactase. The enzyme is free of all secondary activity, so there is no off-taste in milk, thanks to the high purity of the lactase. It is ideal for lactose-free dairy products as well as ice cream, condensed milk and sweet bread spreads like dulce de leche. Lactase prevents crystallisation in cooking and freezing, and thereby a sandy mouth feel. stern-wywiol-gruppe.de



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