

Interpack 2011

Visitors to interpack 2011 can expect not only an internationally unparalleled products and processes from exhibitors, but also innovative special themes.

Preparations for interpack 2011, which is taking place from 12 to 18 May, are now moving into the final busy stages. The prospects for the world's most important trade fair for the packaging sector and related processing industries are looking very good. About 2,700 exhibitors from roughly 60 countries are expected, who, with a good 174,000 square metres of net space, will again be occupying all 19 halls of the Düsseldorf exhibition centre. Interpack 2011 is presenting packaging and process solutions for companies from the areas of food and beverages, confectionery and bakery products, pharmaceuticals and cosmetics, non-food consumer goods, industrial goods and related services plus packaging materials and their manufacture.

The lion's share of hall space – ten halls – has been booked by companies supplying processes and machines for packaging, followed by packaging materials and manufacture in more than four halls. Processes and machines for confectionery and bakery products have grown since 2008, with companies from this segment completely filling Halls 1-4. Individual exhibitors from all categories will be occupying space in the outdoor exhibition grounds.

Special themes: innovative strategies and creative stand design
 INNOVATIONSPARC PACKAGING 2011 on the theme

of "Quality of Life" is presenting an all-embracing concept directed at consumer behaviour and is thus highly relevant to the packaging sector, branded goods manufacturers and retailers. Quality of Life finds expression in the five dimensions of Meaning, Health, Identity, Simplicity and Aesthetics. At the special show, these dimensions serve in each case as a shop motto. Together, these shops with a central lecture space make up the oval stand of INNOVATIONSPARC PACKAGING. This special show has been developed in cooperation with our partners the European Retail Institute (EHI), Pan-European Brand Design Association (PDA), the Zukunftsinstitut (institute of the future). One of the hallmarks of INNOVATIONSPARC PACKAGING is that the individual shop designs are the result of cooperation with companies at different stages along the value chain and are directly tied to the shop motto. At the Health shop, for example, a "Dr. Happy-Store" tailored to the LOHAS target group is being created with suitable packaging solutions. And at the Identity shop, the "identify me" concept will be showing solutions, among other things, from the spheres of Augmented Reality, Enhanced Packaging, Performance Packaging and RFID. The other shops are the 24/7 convenience shop (Simplicity), a shop concept under the motto of Green Sense (Meaning) and the design store Birds of Paradise (Aesthetics). A complete list of the total of almost 50 companies and associations involved

SAVE FOOD in the pavilion between Halls 10 and 16 is presenting the results of studies conducted in advance of the fair by the Food and Agriculture Organisation (FAO) of the United Nations on the subject of global food loss, as well as examples of best practices in the pavilion's central area.

Key Notes :

- > About 2,700 exhibitors from roughly 60 countries are expected at the weeklong event.
- > Ten halls for companies supplying processes and machines for packaging.
- > Four halls for packaging materials and manufacture.



Experts' panel at the Interpack 2011 Presentation held in Mumbai

in INNOVATIONSPARC PACKAGING can be found at www.interpack.com.

The special theme of the Metal Packaging Plaza is being presented with an eye-catching stand design. The new meeting place for the international metal packaging sector and its supplier industries is also visually dominated by metal. A metal sculpture suspended from the ceiling illustrates the stand motto of "infinity". The core subjects of this special theme are sustainability, safety/security and convenience as well as innovations in the field of metal packages. Some 40 companies are taking part. At the heart of the Metal Packaging Plaza is an information platform with a forum, bar lounge and meeting point. This special show of Messe Düsseldorf is supported by German Metal Packaging Association (VMV) and Empac, the European body representing the interests of metal package manufacturers.

Visitors to interpack 2011 can also look forward to the exhibition on the subject of SAVE FOOD in the pavilion between Halls 10 and 16. It is presenting the results of studies conducted in advance of the fair by the Food and Agriculture Organisation (FAO) of the United Nations on the subject of global food loss, as well as examples of best practices in the pavilion's central area. This area is flanked by the contributions of companies and associations, including Bosch Packaging Technology, Multivac, Metro Cash & Carry, the German Engineering Federation (VDMA) and the European Federation of Corrugated Board Manufacturers (FEFCO). Trade fair visitors can also take advantage of a sustainable catering strategy with a 150 metre long

table under a tent construction. This directly adjoins the SAVE FOOD pavilion.

Bossar Innovations at interpack 2011

Bossar Packaging, S.A. designs and manufactures a wide range of Horizontal Form-, Fill- and Seal Pouching Machines, filling volumes from 0.5 c.c. up to 15 l. of solid, powder, liquid, granulate and pasty products. Bossar's versatile machine range covers customers' demands, from economic, modular solutions to high performance dedicated equipment, from flat sachets to stand-up pouches with contoured forms, and a wide variety of accessories as spouts, zipper, etc.

BOSSAR designed and manufactured the first HFFS machine with a modular concept, the BMK series, versus the traditional monoframe machines. The BMK series continues to prove a successful concept due to its versatility and innovative modularity, so Bossar keeps improving this well established product line with new features, benefits and applications focusing on operational efficiency and ergonomics.

This technology is also applied to the largest HFFS machine ever designed that will be presented at Interpack. It breaks the current limits of possible stroke lengths to more than 550 mm. and complies with the most strict food sanitary design regulations worldwide. It presents a sanitary design while keeping both the operator and the technician's ergonomics in mind. It uses the most modern drive and motion control systems in order to simplify both machine set-up and operation. In addition it will be an "intelligent" machine

which allows HMI adjustments and embedded intelligence with a new control platform, so day to day management does not require highly skilled personnel. The open-frame and clean design provides high accessibility and visibility of the machine and reduces significantly the number of mechanical parts.

The company also continues to establish itself in the retort and pre-made pouch market supplying machines with the operational efficiency of Bossar's technology.

Visitors to interpack 2011 can discover Bossar Packaging which was the only company in the market offering 2 different technologies for pouch transport system – the walking beam and the carousel system with linear grippers (patented) – will now offer 3 different technologies.

Trend-setting load security with DDK-film

Going under the slogan "DDK keeps the



world together!" DUO PLAST presents the DDK-film as pioneering innovation in the stretch film market. The unique stretch film has already won the "German Packaging Award" and the "PIF Gold Medal" and signals a new trend in the field of load security.

DUO PLAST presents the worldwide patented stretch film innovation at Interpack 2011. The German producer of blown films will be found in hall 7, booth B09 at the international exhibition for packaging solutions in Duesseldorf/ Germany. Going under the slogan "DDK keeps the world together!"

DUO PLAST is looking for special business partners for the international distribution of the unique DDK-film. The unique feature of this film is the double edge, which makes it twice as strong and tear-resistant at the

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Participants at the Interpack 2011 Presentation in Mumbai

>> edges compared to conventional films. A 15 micron film for example has at the edges a thickness of 30 microns. This prevents film breaks that begin at the edges in more than 90% of all cases.

Another very important highlight is the unique net structure that is generated through the wrapping process. This net structure considerably increases the pallet stability. In addition, the double edge realises a smaller necking and a better overlapping of the film layers. Thanks to this the usually critical pallet bottom and packaged goods are connected optimally.

All these advantages lead to a strong recommendation from the German DEKRA, specialist in the field of load security, to use that film. The DDK-stretch film offers completely new possibilities. The improved opportunity to reduce the film thickness and the remarkable extensibility of the DDK-film guarantee signifi-

cant material savings. A reduction of material consumption of more than 30 - 35% is not uncommon when using the DDK-film. Consequently lower packaging costs and lower disposal costs are the result. Conservation of resources and protection of the environment are further strong advantages of the unique film innovation.

SERAC to unveil its new 'Roll N Blow' thermoforming machine

As part of a world exclusive, Serac will unveil French start-up Agami's Roll N Blow thermoforming machine at its stand at Interpack 2011 in Hall 13 at booths C63/D64. Serac is a shareholder in Agami and both companies are working in tight partnership. The machine is designed to produce bottles much more inexpensively than is possible using traditional methods, and that are much lighter. It uses innovative tubular thermoforming technology, with reels of plastic sheeting that are extruded flat at high speed. It can produce



tall, round bottles with capacities of between 100 and 500 mL. It is targeting the producers of fresh dairy products, yoghurt drinks in particular, as well as fruit juice manufacturers.

The raw materials come as rolls of plastic sheeting. The sheeting is cut into strips each strip is shaped into a tube around a blow pipe. Each strip is then welded longitudinally. The resulting plastic tube is then heated and blown into a mould in order to create a bottle. Many types of plastic can be used for thermoforming (PS, PP, PLA, PET, etc.). There are also economic benefits in using multilayer materials, since the films are extruded flat.

Producing very wide plastic films, extruded flat at high speed, is very economical. On the machine, the plastic is converted from sheet form straight into bottle form. This generates purchase savings of 30 to 50%.

Using reels of plastic sheeting as the base material reduces transport and storage costs, as well as the costs of handling the bottles or empty preforms before they are blown. Whereas previously 25 lorries were needed for supplying actual bottles or 5 lorries for supplying preforms, now only one is needed for supplying the reels of plastic sheeting.

In terms of the accessories required for production, consumption is reduced right across the board compared with traditional technologies: the blowing is carried out at low pressure (less than 6 bar) and at low temperature (under 150°C). There is no need for a high-pressure compressor and 2 to 3 times less electricity is needed than with traditional preform blowing.

The Roll n Blow thermoforming machine on display at the show can produce up to 7000 bottles/hour.

