

Trend spotting in Dusseldorf

interpack celebrated its 50th anniversary in some style. While there were no obvious great leaps forward in technology almost every stand had some new developments to show off and plenty of these should excite machinery buyers and specifiers.

One major horizontal and vertical ffs machine supplier recorded 40 per cent more enquiries in the first three days of 2008 than in 2005.

The drivers for innovation clearly remain those that are already familiar: flexibility, reliability and consistent performance at required speeds of production. The facility to integrate machines with each other is also high on the agenda.

These have certainly made the servo drive an imperative for most new models, whatever the machine.

However it was clear that machinery builders in Europe, Japan and the USA are now taking a more aggressive stance over the onrush of cheaper equipment from China, India and other Far East suppliers, with several



demonstrating 'entry level' machines.

Companies such as Oystar, OK International, Marden Edwards and many more showed their intention to protect that segment of the market as well as helping smaller end users with 'affordable automation' as an alternative to manual operations.

Indeed Ishida went a step further successfully obtaining injunctions to stop several Chinese exhibitors from demonstrating their machines.

Perhaps the most intriguing theme to surface was that sustainability issues are now being addressed in machinery design and construction, and not just by finding ways to use recycled or eco-friendly materials. Factors such as energy and water consumption are now coming to the fore and almost every machinery manufacturer is saying its equipment has a smaller footprint.

interpack development news pages 15 - 26

Baggers and cartoners take centre stage

The new VPL-260 mid-range vertical bagger from Rovema is capable of speeds up to 200 bags/minute for flat bag formats from 60-260mm and block bottom bags of 320mm.

The servo driven machine is easy to service and maintains high quality sealing at high speeds, even on difficult films, according to the company.

A product detection device

prevents contamination of the seal area and an additional feature is tool-less changeover for different bag sizes and formats.

Rovema also featured a new generation continuous motion cartoner (CMC) with an integrated product levelling system which it claims is ideal for gentle and efficient handling of flexible bags. It has an

adjustable carton size range up to 400mm height.

The SBS 250 block bottom bagger is an 'economic' machine with quick changeover and high flexibility producing a variety of different bag top shapes. It can also be used as a conventional ffs machine.

T: +44 (0) 1296 642060
E: sales@rovema.co.uk



SHOW QUOTES

“The high levels of visitor traffic and the international mix reflected the range of our target markets”

*Wolf-Dieter Baumann
CEO
Oystar*

“Compared with the previous event, there has been another increase in both visitor quality and quantity”

*Frieder Grimm
Director Corporate Marketing
Multivac*

“interpack is the most important trade fair for us and interest in Bosch remains at an undiminished high”

*Friedbert Klefenz
president
Bosch Packaging Technology*

“We had lots of customers from all over the world. In particular about 15 per cent each from America and Asia, which is very good. A lot of them were interested in our aseptic filling machine and also in our end of line solutions. In terms of visitor numbers, it is better this time than three years ago”

*Paola Mignani, Business Communication Director
Sidel*

“There is always a hunger for new machines at interpack and 2008 has proved no different. It is definitely the place to release new equipment and there has been particularly big interest in automation and integration”

*Shane De La Force
Global Marketing Manager
TNA Europe*



SHOW QUOTES

“As the only UK company to have attended every interpack since its inception, we know it delivers results. It is the largest show we do for any sector we work in and also where we invest the most time, effort and money. Visitors are in the right industry, highly influential and decision makers”
*Keith Graham
 Marketing Manager
 Baker Perkins*

“We always get good quality leads at interpack and this year is no exception. However for us it is quality and not quantity”
*Karen Simpkin
 Marketing Manager
 Lock Inspection Systems*

“We had an influx of visitors from Eastern Europe, the Middle East, South America, India and China and were very busy. Masterfil is big on exports so this was brilliant”
*Jean-Claude Krief
 Northern Sales
 Adelphi – Masterfil*

“Good show with a semi-automatic bag filler feature on the stand soon off to Insula of Germany to fill spices”
*Mike Warmington
 Sales Director
 All-Fill*

“It seems to be moving East! We received numerous good leads from China, India, Pakistan and the Middle East. This was backed up by many visitors from the blue chips”
*George Smith
 BCH*

Packaging legend has PPMA exhibitors crying out for more

interpack is a legend among members of the packaging community and in a climate in which the industrial business to business show is not booming it would not have been a surprise if this year’s event had lost some of the ‘buzz’, said PPMA chief executive Chris Buxton.

The PPMA took 23 members to its British Group Stand and they collectively took a total of 3,331 enquiries. And 21 companies in the group said that

they would exhibit again in 2011; of these 19 said that they would exhibit on the PPMA Group Stand. The remainder said they would prefer to exhibit in the same area as their competitors.

There were also a further 27 members exhibiting around the 16 halls.

“This year’s show was differentiated by the vast increase in the number of enquiries coming from Eastern European nations and the

Middle East,” he added.

Sadly UK visitors were conspicuous by their absence while Asia Pacific visitors were more in evidence; “an inevitable consequence of ever increasing globalisation”.

Buxton concluded: “A successful show is good for the industry as it underlines the effectiveness of the exhibition as a channel to market. This bodes well for the PPMA Show in September.”

Machinery shines in inaugural iF Award

Winners of the inaugural iF Award for machine technology included the overall winner Theegarten-Pactec’s modular confectionery development, plus ALPMA’s SoftPack machine; and the Bosch automated system for Burgopak.

The new modular concept for confectionery from Theegarten-Pactec, works on the continuous-motion principle and features both flexible size changes and changes to wrapping styles. The MCC features belt feeding for top twist-wrap and MCH plate feeding for sweets in double twist wrap.

Alpma’s technology combines a traditional fold wrap with a longitudinal seal, which, says the company, enables products which were impossible to pack, such as very soft cheese, to be tightly wrapped despite their unstable form.

A typical example is Crescenza cheese which is



given a ‘second skin’. This helps to eliminate air pockets which can cause discolouration of the product, while SoftPack also extends shelf life.

The packaging material is fed into the machine using vacuum belts and is sealed by ultrasound. Using a cassette system designed by ALPMA the pack is tightened before the longitudinal seal is made ultrasonically, after which the end folds are made.

The Burgopak “wallet” features a folding carton with open ends. The machinery has specially developed feeding-



Ralph Wiegmann, Managing Director, iF International Forum Design, takes the stage at the presentation ceremony of the first iF packaging award

wheel technology, for fast and flexible pick-and-place operations, combined with a transverse product infeed chain that ensures minimum changeover time.

Injunction hits Chinese exhibitors

Ishida mounted a successful legal challenge to prevent a number of multihead weighers from Chinese exhibitors being

shown at interpack. The injunction covered multihead weighers from High Dream, Jinyi and Saimo, which are claimed to

infringe Ishida patents. The machines were either removed from the stands or covered up, creating a rather eerie feel.

Sustainability is high on Ilapak's agenda

Ilapak is taking the sustainability issue seriously with its factories now rated to ISO 14001. This theme continues into the new generation of Delta and Carrera machines which now incorporate eco features.

The Carrera 4000 eco has shaft and bearing patents for the sealing jaws which thermally isolates them from the jaws themselves. The rollers are also isolated from the heat around the sealing heads.

This produces several benefits, says the company, notably in improved safety for operators. But there is also a significant energy saving of around 60 per cent compared



Ilapak's Carrera 4000 eco

with the previous model.

The warm up time for the machine is also reduced from about 30 minutes to just eight minutes and there is less heat loss during major changeovers. This also means the machine is in production for longer.

Finally, as the whole sealing area radiates less heat, the ambient temperature of the building is reduced giving

savings on the cost of air conditioning in the plant.

Also demonstrated for the first time was the VacMap™ flow-wrapper which enables users to produce flow packs with the same shelf life and pack quality as thermoformed packs, but at lower cost, claims

Ilapak. It incorporates vacuum and MAP as well as flow-wrap functions.

The company also introduced its new electronic control platform using a Linux operating system. The platform can run on an industrial PC and offers detailed diagnostics and machine status information.

T: +44 (0) 20 8797 2000
E: sales@ilapak.co.uk

Holland punches its weight

I Holland, the specialist supplier of dies, punches and tooling products, showcased several new products for use in pharmaceutical, nutraceutical, confectionery and now, domestic applications.

The PharmaCote range of treatments and coatings for

tooling has been extended and upgraded to include Pharmacote HC+ and CN+ with improved ant-stick characteristics.

The PharmaCare Vision Inspection Scope allows assessment of finished tablets and the tooling inventory using a LED illuminated x6 microscope.

The equipment has a counterbalanced universal stand and a flexible swing arm, yet its small footprint makes it suitable for use with current SOPs and health and safety management systems, says Holland.

T: +44 (0) 1159 726153
E: info@iholland.co.uk

Space saving vacuum conveyor

The C2100-64 vacuum conveyor is a new, compact handling solution for powders and bulk products where space is at a premium, says PIAB.

The conveyor features COAX® multistage ejector technology which is claimed to consume less air and energy than other compressed air driven units. The design means that the flow of powders and

granules has improved by 25 per cent without affecting energy consumption. The C2100-64 can transport between 1.0 and 1.5 tonnes/hour of material.

Built in stainless steel for harsh environments, the conveyor can be fitted with a Mahle filter for powders with a particle size of 0.5 micron or greater, depending on properties. Operating ranges are



pressures of 0.4 - 0.6 MPa at temperatures from 0-60°C.

T: +44 (0) 1509 814280
E: info@piab.co.uk



SHOW BRIEFS

- **PKB** introduced three filling systems aimed at improving efficiency and reducing operational costs in the perfume and cosmetics markets. The Synchro filling and capping intermittent machine incorporates a patented servo-driven continuous motion filling facility which is claimed can improve output by up to 40 per cent. Also on show was the Eko filling and capping system for perfumes.
T: +33 2 3237 9632
E: g.potter@pkb.fr

- New servo technology featured on a number of new or upgraded machines on the **Meurer** stand. The new high speed, horizontal flow wrapper CM/HSS is capable of placing a full wrap of shrink film around groups of beverage packs at up to 160 packs/minute. Its balcony construction is easily accessible, says the company and all axes are servo driven for precision. The machine has reduced air consumption compared with previous models.
UK representative:
Fords Packaging Systems
T: +44 (0) 1234 846600
E: sales@fords-packsys.co.uk

- **Sollas UK** displayed its new Bandum S banding machine which can handle PP, PE and PE-coated paper with different film widths. It also introduced an upgraded version of its fully-automatic Sollas 20 overwrapper, featuring PLC/ touchscreen and servo film feed.
T: +44 (0) 1256 896930
E: sales@sollasuk.com



SHOW BRIEFS

- **Bosch and Paal** are to expand their Bag in Box venture.

Under licence from Bosch, Paal produces cartoners for the food sector to increase sales of complete lines and expand the "bag-in-box" sector.

At interpack the Bosch bag form seal machine SVE 2515 was shown in action with the Paal Elematic 1000 HC-CBI horizontal cartoner.

Reportedly 10 units have been sold since the tie up in October 2007.

- **Bosch also introduced** a linear PME vertical pack maker for suppliers of free flowing dry foods such as sugar, tea, pasta, pet food and detergents.

It has a medium output level of 55 bags/minute.

Its modular design means that it can be adapted easily to packs of varying shapes and sizes: filling sizes range from 75 – 3710 cubic centimetres with weights up to 2.5kg.

Bag formats include flat or stand-up top, tin-tie, tape, or resealable labels.

The machine can also process "peelable" top seams with ergonomically shaped handles.

FURTHER INFORMATION

Bosch Packaging Services
T: +44 (0) 1332 626262
E: ukenquiries@boschpackaging.com

Paal
E: info@paal.com

What credit crunch? Bosch sets out its growth agenda

Confidence in the future remains high at Bosch Packaging Technology despite current economic trading conditions president Friedbert Klefenz told Machinery Update during interpack 2008.

Bosch's business benefited from good trading conditions in 2007, said Klefenz. And he does not believe that the current economic downturn will affect the group's interests in pharmaceutical, confectionery and food industries "as long as there is not a world recession". Neither do forward order books indicate a tail off in business.

And this seemed to be confirmed by visitor interest during interpack. "Visitors were particularly interested in scalable automation, multi-functional product lines and modular machinery concepts," said Klefenz.

Other reasons for confidence lie in such statistics as 50 per cent of US sales are produced in the US thus making it easier to withstand US\$ fluctuations.

"We occupy a broad and international position and are exactly where the customer needs us. We operate in 14 countries from 30 locations and have 4,400 associates worldwide," explained Klefenz.

Results for 2007 show that

sales grew by 14 per cent to €650m with more than 50 per cent being achieved outside Europe. The rise is attributable to 8 per cent organic growth with the remainder coming from acquisitions.

In 2007 Bosch acquired the Pharmatec Group, which includes Schoeller-Bleckmann Medizintechnik, increasing its presence in the pharmaceutical sector.

This is reflected in the results which show that pharmaceutical is its best performing business at about 44 per cent.

In October it acquired Switzerland-based Kimaco in a bid to expand its presence in packaging and production technology for processed cheese. Food is now its second best performer at 39 per cent. However, confectionery lost ground in 2007.

During the year Bosch increased its activities in Asia expanding its operations in India and opening a new plant in Goa. Operations in Asia increased sales to \$100m plus.



This underlines the commitment to grow its businesses in the Asia-Pacific region which now accounts for 24 per cent of global demand; a year on year growth of about 7-10 per cent.

Importantly Klefenz stated, "Our facilities always serve local markets, for example, 90 per cent of products packed in Asia stay in Asia."

And he added: "Asian competitors are gaining in strength and future success will depend on our positioning in markets such as China and India, and in growth areas such as Russia and Latin America."

He also stressed the need for flexibility to help users cope with shorter product life cycles and reduced time-to-market.

Bosch showed off its expertise with 50 exhibits.

See pages 30-32

Sweet smell of success

Adapting to meet trends in the coffee market Bosch Packaging Technology has combined its modular SVE 2510 QR continuous motion vffs machine with a CVA 3000V45 aroma protection valve applicator.

THE SVE 2510 QR allows quick and easy format changes between pillow and gusseted bags, corner sealed block-bottom bags and Doy-style



pouches. It operates at up to 180 pillow packs/hour.

The aroma protection valve applicator reaches speeds of 105 valves/minute and is positioned between the film infeed and the bag forming section.

Using servo-technology the perforating device is synchronised with the film infeed.



SHOW BRIEFS

■ The newly integrated **Markem-Imaje** company, part of Dover Engineered Systems, made its first public showing at interpack to demonstrate what it claims is the largest portfolio of product identification equipment available on the market. The combined group has 2,800 employees, 33 globally based subsidiaries, six R&D centres and worldwide manufacturing, logistics and repair centres. It aims to offer the same levels of technical expertise and service world-wide.
T: +44 (0) 161 333 8400
E: england@markem.com

■ **Ulma Packaging's** Taurus 300 'entry level' tray sealer is claimed to be ideal for meat packers or ready meal producers switching from manual to automatic packing. The Taurus 300 has a compact footprint, a maximum sealing area of 300x400mm and features a removable in-feed conveyor with rod bars to centre and push the trays. A pneumatic die lifting system enables easy changeover, says Ulma.
T: +44 (0) 1909 506504
E: info@ulmapackaging.co.uk

■ **Dansk Mink Papir** introduced PAL-Cut an automated sheet dispenser and cutter of intermediate layer sheets for use in automatic packaging processes. This system is said to provide considerable savings in operating costs for palletising. The patented Antim65 intermediate layer of the sheet stabilises the pallets during transport.

USA machinery sector upbeat despite sluggish economy

Speaking at interpack PMMI president and CEO, Chuck Yuska, forecast challenging times ahead for the North American packaging sector as the US grapples with sluggish trading conditions.

But he maintained that the US will continue as global leader with domestic demand growing to US\$6.6bn in 2007, of which US manufacturers supplied 77 per cent. The USA remains the largest consumer of packaging machines in the world, followed by China (\$5.5bn) and Japan (\$3.5bn).

Globally sales from all sources were valued at \$31m (2006 figure) of which North American manufacturers accounted for 20 per cent of the total machines and systems sold in both domestic and overseas markets.

However despite these healthy figures, Yuska believes that trading conditions will impact on internal growth, with 2008 being sluggish at best and in decline at worst.

A positive for the US machinery manufacturer, he said, was that the current low dollar exchange rate should help grow the export market; exports reached \$707 million October 2006 – October 2007 and are expected to top \$1bn



by the end of 2007. However imports of machines into the USA rose to \$1.77bn up to October 2007, an increase of 11 per cent compared with 2006.

Turning to market forecasts, Yuska highlighted a series of findings from the PMMI's Trends Survey for 2008. Interestingly many of the significant trends seem to match those in the UK and mainland Europe, with increasing calls for more automation to improve efficiency, productivity and quality as well as cutting costs. There is expected to be increasing demand for 'entry level' equipment to fight off competition from Asian manufacturers and to encourage smaller companies to invest in automation, (something which was very visible at interpack).

Built in flexibility for speed of changeover with the minimum of downtime is seen as essential for a widening range of packaging requirements.

Product security is another

burning issue, based on the growing number of product recalls and contamination scares. This is set to create increased calls for track-and-trace technologies such as RFID, as well as an enormous increase in the use of X-ray and other inspection systems, PMMI's report revealed.

It will also encourage adoption of anti-counterfeiting tools such as holographics, micro-print and tag-equipped packaging.

Robotics also comes high on the list of priorities with users citing lowering costs, better efficiencies, reduced labour costs and increasing manufacturing outputs as the main drivers. While the majority of packaging robots are used in food and beverage production, 100 per cent of the pharmaceutical and medical device companies surveyed expected to increase its use. Full report at: www.pmmi.org/makesense

Correction: Machinery Update March/April 2008 published incorrect global figures for machinery value on page 19. The correct figures are: Global packaging machinery value: US\$31bn not Euro 400bn as stated.

Krones turn it around for visibility

The Multiturner S from Krones AG is able to turn shrink packs, trays and shrink wrapped trays or cartons around their own axis for short side leading or long side leading, and vice versa.

When located, for example, at a palletiser infeed the unit can ensure the chosen composition of layer patterns or maximise label orientation on the pallet for

optimum visibility, says Krones.

Two paddles grasp and turn each pack under positive control. Different paddle heads are available for varying pack widths.

The turning unit is suitable for high output applications up to 4,500 packs/hour.

T: +44 (0) 1942 845000
E: sales@krones.co.uk





SHOW BRIEFS

Jordy pack is a new hot, cold and aseptic filling system from **ACMA**, which makes poly laminate (light paper/polyethylene/aluminium) bottles from a reel and forms them via ultrasonic sealing prior to filling. After die cutting the sealing phase forms the body, base and cap into one solid piece, says the company.

Currently line speeds of 6,000 bottles/minute are being achieved and will increase to 12,000 with the addition of a second forming station. A one litre container juice filling version was on display at interpack. Represented in the UK by Integrapak
 T: +44 (0) 1420 593680
 E: integrapak@integrapak.co.uk

OCS Checkweighers's latest iNomyx X-ray system, the iX, is the most space efficient scanner on the market with a 600W output, claims the company. It features a highly advanced Time Delay Integration (TDI) camera for optimum accuracy and speed.

The scanner is able to detect glass, stone, plastic and calcium rich bone and metal impurities. With tool free belt exchange, optimum cooling performance with a water cooled system and electronic monitoring for maximum radiation protection the company believes it is their most user friendly scanner to date.
 T: +44 (0) 1993 701970
 E: info.uk@ocs-cw.com

Military checkweigher designed to survive

Loma Systems launched what it claims is the toughest checkweigher on the market, the CW³.

Managing director Simon Spencer said, "This rugged military-style automatic machine is designed to survive and is particularly suitable for the wet end of the food industry."

The modular and all stainless steel checkweigher features multi-lingual control systems, PC interface and USB connection. It can weigh flexible and rigid packs up to 1.5kg, has a belt speed of up to 120m/minute and can operate in a temperature range of 0-40°C.

The small footprint

checkweigher is ideal for high volume production lines, said Spencer, as it meets the demanding specifications of industrial food production. "Its resilience to cold is crucial as many food lines run in near freezing environments," he explained.

The CW³ rugged stainless steel construction meets IP69K harsh environment cleaning specifications. It also features improved usability and ergonomics and will fit neatly into most existing conveyor systems, say Spencer. The unit can be adapted easily for new or changing products and pack sizes, it is claimed.

The CW³ Checkweigher is fully compatible with Loma's IQ³+ metal detector systems, the combination can store product weights and the contaminant detection requirements of dozens of products, says Loma.

The IQ³+ is the latest addition to its metal detector range and features an easy to use, icon driven, intuitive full colour graphical touch screen. The technology is report and data capture ready, meaning HACCP and retailer compliance is made simple. It has on-board Ethernet and a USB port to enable remote data collection.

T: +44 (0) 1252 893300
 E: sales@loma-cintex.com

Developments leave visitors open mouthed

Launching a series of new developments from Chronos Richardson and forecasting strong growth and acquisitions in the European market Premier Tech's Industrial Equipment Group president André Noreau said: "We are looking for partnerships and acquisitions to drive growth across our Chronos Richardson businesses."

He added that the group's

market driven approach to product development had already paid dividends, with an R&D spend of about US\$12m/year providing the basis to launch a number of new products at interpack.

The Chrono-Fill PTK 1700 series for pre-made open-mouth bags is said to be one of the fastest bagging lines worldwide. Operating at speeds of up to 1,500 bags/hour, it features a

continuous bag transfer system and changeover times between bag types of less than five minutes, says the company.

The new Chrono-Fill OML 600 open-mouth bagger is designed to fill feedstuff and grain at up to 900bags/hour.

The group also introduced its next generation of weighing and dosing systems. The high capacity E55 F1 has a capacity of 2,000 weighings/minute and is equipped with a servo-driven gate control, and state-of-the-art load cell technology.

Its Chrono-Weigh E56, designed for the hygienic bulk weighing in the food, pharma and chemical industries, features an easy to clean weigh hopper and internal recirculation for enhanced dust control.

The integrated feed hopper has allowed a significant reduction in overall height, says the company.

T: +44 (0) 1159 351351
 E: info@servicechronos.com



Chrono-Fill PTK 1700 open-mouthed bagger

labelling, coding & marking

Fibre laser developments raise the bar for coding

DataLase unveiled two labelling solutions for primary and secondary packaging - the two labelling solutions utilise dedicated high speed fibre laser technology and are the first on the market, claims DataLase.

Used for primary and secondary packaging on the company's CASEMARK and PACKMARK product range, the fibre laser and label combination is set to raise the bar in printing and coding, said Mike Willcocks, senior vice president Global sales and marketing.

"They will allow DataLase to produce consistent, indelible, traceable product identification of the highest possible quality at high speeds, in excess of conventional CO₂ lasers," he added.

The fibre optic laser technology creates indelibly marked products for applications such as track and trace and bar coding. As the laser does not



The CASEMARK using high-speed fibre laser technology

press on the substrate being printed, it is also aimed at the printing of delicate substrates.

The laser print head is 5 per cent of the size of a CO₂ laser and the 40W version prints at 3,500mm characters/second. It also gives a much higher resolution than CO₂ lasers creating much better symbology for product marketing opportunities.

"Customers are demanding speed and flexibility and the versatility of the fibre laser

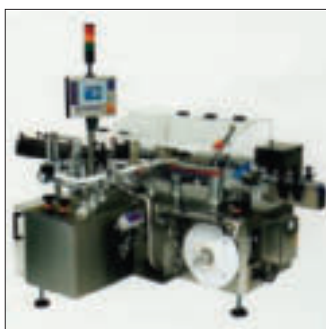
technology will enable us to provide coding and printing for 'mission-critical' product identification and to optimise supply chain costs," said Willcocks.

Key markets include healthcare where regulatory requirements are critical; food and beverage; and premium goods where anti-counterfeiting measures are becoming more important.

T: +44 (0) 151 423 9360
E: info@datalase.com

Designed for 24/7 operations

Designed to operate 24/7 at a true production rate of up to 300 containers/minute Newman Labelling Systems introduced



The S350 has a true production rate of up to 300 containers/minute

the S350 labelling system featuring high levels of efficiency based on DIN 8743.

Aimed primarily at the pharmaceutical market, the S350 is fully automatic and can apply both paper and clear plastic labels to cylindrical products made from glass, plastic, metal and composite materials.

The latest data-bus technology has been utilised within the machine to simplify the integration of security and ancillary devices, states Newman Labelling Systems.

Label and container size

changes can be achieved without tools, while digital scales provide repeatable container changeover within minutes.

Systematic line clearance is reduced to a minimum via the cGMP design and layout of the stainless steel machine.

Optional equipment includes a printout facility, vision system for OCV/OCR, continuous label supply from an Easisplice 470, queue switch control, rotary infeed and outfeed tables and a choice of thermal transfer, laser, ink jet or hot foil overprint coding.

T: +44 (0) 20 8440 0044
E: sales@newman.co.uk



SHOW BRIEFS

- **SATO** introduced a mobile direct thermal label printer MB4i, which is said to be ideal for fast label printing 'on site - on demand'. It has a print speed of up to 103 mm/second. The MB4i model is one of the fastest mobile printers on the market, says SATO. It has a print resolution of 203 or 305 dpi.
T: +44 (0) 1255 240000
E: enquiries@sato-uk.com

- **Logopak** launched its PowerLeapIII electronic operating system for use with Logomatic labelling systems. It features a 15in touch screen; dual 32-bit processors; 4mb battery-backed CMOS memory; error logging and analysis; RFID Tag-on-Demand; permanent dot checking; electronic components to RoHS standards; and integrated Ethernet connection.
T: +44 (0) 1904 692333
E: salesonweb@logopak.net

- Self-adhesive labelling specialist **Herma** showed its Herma Laser printing capabilities combined with the Herma 400 labeller. The laser light produces a colour change on the specially-coated label which means that the date and batch number can be applied within 15 milliseconds. The laser can also "write" under any layer of protective foil that may be applied to the base material. This, says Herma, guarantees extremely high wipe and scratch resistance and guaranteed traceability.
T: +44 (0) 1440 763366
E: sales@herma.co.uk

labelling, coding & marking

"We have been working closely with both brand owners and packaging machine manufacturers so we can best fit our printing modules into the production process," said Karl-Heinz Walther, senior vice-president special applications and head of sales, Linoprint.



Print giant Heidelberg drops into packaging sector 'on demand'

A move into packaging operations was singled out by German print giant Heidelberg during interpack with the launch of a Drop-on-Demand system – Linoprint. Field tests are set for the last quarter of this year.

The modular system was developed by Heidelberger Druckmaschinen, based on control technology used for its computer-to-plate image setter. It operates at a resolution of 720dpi at one metre/second in widths up to 288mm but can be expanded.

The digital system is infinitely flexible and can be integrated into almost any production process and print information such as logos with minimum cost in time and materials, it is claimed.

All technology is sourced from Heidelberg. However, Linoprint is an autonomous business unit.

Linoprint will focus on coding for the pharmaceutical

sector and its contract packers with an emphasis on blister packing. However, the optimised inks mean that the process can be applied not only to blister films but also to a range of substrates including labels and folding cartons.

It also hopes to sell the technology through OEMs making lines for packaging and filling machinery. Co-operation has already been agreed with one packaging machinery manufacturer with others in the pipe line.

The system incorporates drop-on-demand inkjet heads from suppliers such as Xaar, Konica, Minolta and Toshiba.

The technology is claimed to be suitable for individual printing of all run lengths; a batch size of one is possible. Additionally logos and other information can be changed at any point during any print run length, it is claimed.

It is made up of a printing unit and control software.

The print unit comprises a print head, cleaning unit and dryer.

Linospot, for single colour printing of blister films is due to be the first off the production line, with a version for labels and folding cartons next in line.

Linocolor, a 4-colour printing unit, is also in development and is being tested using Panasonic heads. It will be at least 600dpi for widths from 50 - 150mm with print speed up to 2.5m/second. Consumables for the colour version will be marketed under the Heidelberg Saphira brand.

The company claims that a significant development is Linoprint's scalability which can be adjusted by the use of multiple printing modules in sequence or in parallel to produce varying printing widths, speeds and resolution. The print system can be placed anywhere in the production line, says Linoprint.

Specially optimised screen technology allows any grey tone to be generated while special colours are also feasible.

Linoprint will also be exhibiting at other packaging shows around the world this year and in 2009.

T: +49 431 386 1290
www.linoprint.de



labelling, coding & marking

Talking about the next generation

The next generation of laser coding systems, the D-Series plus, was launched during interpack by Domino Printing Sciences. This versatile range of industrial scribing lasers is designed to provide codes across a wide range of speeds, says the company.

Available with 10, 30 or 55 watt lasers the modular D-Series plus comes with new browser-based control software and Ethernet interface to standardise connectivity with host machines.

The modular design allows flexibility, says Domino, as laser head orientation can be more flexible for easy integration in multiple directions. The control box and Ethernet web server are contained within a single housing for greater compatibility with standard 19-inch rack systems and control cabinets on many packaging machines.

These lasers can mark on a



*D550+
scribing
laser coder*

variety of substrates including paper, cartons, plastic and glass. High quality codes can be printed at speeds up to 400metres/minute and in fonts from 0.5mm up to 180mm high.

The company believes the new lasers will improve overall equipment effectiveness, reduce operator error and minimise changeover times.

Also launched was a Linerless model of its M-Series print and apply labellers. The M500 responds to waste reduction,

environmental issues and productivity improvement targets, claims Domino.

With up to 100 per cent more label material on each roll, due to elimination of the backing liner, the machine is able to run for twice as long between roll changes. The M500 can cut labels to the required size, eliminating the need for changeover between products.

An additional benefit of producing different sized labels from the same roll is that few variant roll sizes are needed.

Domino has co-operated with a materials supplier to develop specialised substrates which are compatible with case material, to aid recycling. Using paper labels on cardboard and plastic labels on shrink wrap means contamination of reclaimable materials can be avoided.

T: +44 (0) 1954 782551

E: enquiries@domino-uk.com

Solvent saving solution

The new Linx 6900 Solver continuous ink jet printer from Linx Printing Technologies can help reduce solvent usage by up to 40 per cent the company claims.

Using a new ink system and specially created intelligent software the coder adapts to specific printing conditions by reducing solvent evaporation within the system and adjusts its operation according to the requirements of the code being printed.

It is, says Linx, a more

reliable method of solvent saving than the traditional 'condense and recycle' method. This can effect the quality of the ink, or the 'pulsed suction' technique which may mean ink deposits build up on the print head, requiring more cleaning and downtime.

The model is aimed particularly at large scale, 24/7 users where continuously running multiple printers means solvent costs are significant.

The company says there is no loss of functionality from the

6900 Solver and believes the reduced cost of ownership meets a key customer requirement.

T: +44 (0) 1480 302100

E: uksales@linx.co.uk



SHOW BRIEFS

- **Logopak** has introduced a new print and apply labelling system, the Logomatic 410 T for real-time labelling of variable height products. It has several advantages over the current 500 model, including a more compact construction, simple service disassembly and a new control system with a built in service interval indicator. The machine has an email capability to aid diagnostics. A 410 TE version is available for 'round the corner' label applications.

T: +44 (0) 1904 692333

E: salesonweb@logopak.net

- **Herbert Industrial** announced that it has gained US approval for its range of Weigh labelling equipment, allowing them to market these to America's food processing sector. The company gained certification from the National Conference for Weights and Measures as well as from the Underwriters Laboratories Standards for safety of machines.

T: +44 (0) 1440 711439

E: industrial@

herbertgroup.com

- **Videojet Technologies** launched the 1510 small-character inkjet printer which features smart ink cartridges, which register if the wrong ink has been inserted for the programmed job and stop the machine. The printhead adjusts automatically to environmental conditions, such as temperature, humidity and ink type.
- T: +44 (0) 870 240 5543
E: sales@videojet.com

labelling, coding & marking

Weber dancing to success

A range of modular printer applicators was launched into the European market by Weber Marking Systems.

The Model 5300 range can store 500-1,000 labels depending on the complexity of content and is aimed at the food, pharmaceutical and general manufacturing sectors.

Labels can be applied using six pressure-sensitive methods: air-blow, tamp-blow, direct-tamp, corner-wrap, swing-wrap and two label/adjacent panel printing. This means, says the company, that the 5300



range can be reconfigured to meet future labelling requirements without the need for a separate printer-applicator.

Multiple label printing formats can be stored in the system's memory and it can incorporate a variety of standard thermal/thermal-transfer printing engines to

produce text, bar codes and graphic images at 203 or 300dpi. It dispenses labels at up to 406mm/second.

The 5300 features Allen-Bradley Bus controls and can also be upgraded for RFID encoding.

And for the first time Weber has incorporated a web browser for remote diagnostics.

A dancer arm with built in sensors helps to keep constant tension during application. There is also a 'no ribbon no label feature'.

T: +44 (0) 1875 611111
E: sales@weber.co.uk

Hapa hybrid for health

Hapa introduced the 210 hybrid flex/digital system for applications such as unit dosing.

The compact narrow web printer is designed, says the company, for integration with conventional labelling machines to partially or fully print pre-cut self-adhesive labels in up to 5-colours at speeds up to 30m/minute.

It is also available in an off

line roll-to-roll version. No special label stock is required thanks to the instantaneous UV curing, says Hapa.

The 260 model boasts the widest web width in the range and has been developed in conjunction with a leading medical company. The machine prints onto intravenous infusion bag material and

UV curing ensures no ink migrates into the substrate.

Joining the BlisterJet in the 800 range are the CartonJet for pre-folded and glued cartons and the LabelJet for reel-to-reel on line applications. Each system has the facility for 4-colour (CMYK) printing.

T: +44 (0) 1480 414242
E: paul.osborne@hapa.laetus.com

Non-stop printer from Pago

The new PAGOmat 6/5 high-speed labeller processes material in a straight line from a fanfold label web instead of a reel. This enables thicker items such as multi-page information labels to be processed, says Pago.

Pagomedia labels with integral giveaways, tactile relief labels, RF or RFID labels and sample sachets,

can be applied. The liner is continuously extracted under vacuum during high speed labelling of speeds up to 120m/minute, or removed by a cutter.

Non-stop labelling is possible without a second labelling machine. The next label web is simply fixed to the end of the previous web during the labelling process.



Top labelling precision is guaranteed by the silent-running servo-motor drive, says Pago.

T: +44 (0) 1206 755206
E: machines@pago.co.uk