

# 20th UK Showcase for the machinery sector

**PPMA 2008**  
the complete production line event 30 SEPT - 2 OCT NEC/BIRM

Hall 5 Birmingham NEC  
**Opening Times:**  
30 September – October 1:  
10.00 - 17.00  
2 October:  
10.00 - 16.00

The PPMA Show, the UK's 3-day annual showcase for processing and packaging machinery, opens its doors at the Birmingham NEC on Tuesday September 30 2008.

To be opened by Sir Digby Jones, now Lord Jones of Birmingham, the show provides the ideal opportunity to



*"Unrivalled opportunity for buyers" - Chris Buxton*

celebrate the association's 21st Birthday and creates a showcase for all that's best on the UK packaging and processing equipment market.

Some 300 exhibitors will be vying for visitors' attention in Hall 5 where the number of new developments on show may give some credence to the claim that the "credit crunch" isn't bulldozing the sector into submission.

Chris Buxton, CEO, PPMA



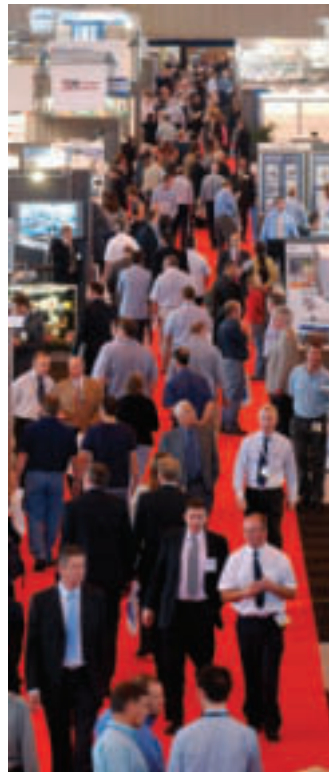
*"The PPMA Show remains the 'must attend' exhibition for buyers and users of processing and packaging machinery and it continues to attract the single largest gathering of these professionals in the UK," comments Liz Finlay, PPMA Show Exhibition Director*

said, "In what is clearly a tough economic climate it is all the more important for visitors and exhibitors to take advantage of the unrivalled opportunity the PPMA Show provides.

"It remains the largest medium through which the processing and packaging sector in the UK can see equipment from around the world. And, of course, the exhibition environment remains the most cost-effective way of researching and ultimately buying capital equipment."

The PPMA Show has a long history of offering visitors the chance to view engineering advances and while some of the machine systems being exhibited were launched at interpack 2008 the show provides the first opportunity to see these in action in the UK. And, of course, there is still much that is new.

Among the trends visitors are likely to come across are an increasing number of small footprint equipment; entry level machinery; simplified robotic systems for the small business; software programmes that provide data at speed to meet legislative requirements and provide cost savings; and



combination machinery that meets user requirements for adaptability and fast changeovers; while there is more than a passing nod at energy and material savings in line with current environmental challenges.

For further information and to register free visit:  
[www.ppmashow.co.uk](http://www.ppmashow.co.uk)  
**Full preview pages 23 - 49**

*Lord Digby Jones of Birmingham, Minister of State for Trade and Investment, will open the PPMA Show on September 30 between 09.30 and 10.00. The ceremony will be followed by a show tour. Lord Digby Jones was formerly Director-General of the CBI, when he took the British business message to 70 different countries*

## Free entry to Interplas

This year the PPMA Show is co-located with Interplas (Hall 4) and all visitors will have free access to the UK's leading exhibition for the polymer sector covering automotive, construction, packaging and medical device sectors.

The show incorporates the Inspex feature for quality control and measurement, backed by the Institute of Measurement and Control.

The Institute represents the UK's automation industry and provides members with routes to Engineering Council registration as Chartered and Incorporated Engineers, and Engineering Technicians.

Inspex provides visitors with the opportunity to solve their test and inspection challenges with the latest technological innovations and developments.

### BPF Seminars

A seminar programme being organised by The Polymer Society - a division of IOM<sup>3</sup> - in collaboration with the BPF, will examine:

Sustainability & the environment and energy efficiencies in plastics processing; Design & innovation with polymers, and the past, present and future of plastics.

Visitors who pre-register for Interplas 2008 could win one of three daily prizes: a weekend for two in Paris, a supercar driving experience or a 42" HD ready plasma television.  
[www.interplas-expo.co.uk](http://www.interplas-expo.co.uk)



ALL AISLES LEAD TO  
ADVICE ON THE PPMA  
STAND C70

**PPMA staff** will be on hand to offer advice about all the association's products and services - publishing, technical, exporting & importing.

**Visitors** can collect a free combined show catalogue and show product locator, plus issues of Machinery Update, the journal for those involved in the selection of processing and packaging machinery.

**Show Machinery Finder**

**Service:** Help will be at hand for visitors seeking out information about the latest developments in the machinery sector. Visitors will be given assistance to find the appropriate exhibitors.

**Advisory Service:** Visitors can get a FREE personalised and confidential advisory service for production facilities including Tool Box talks, site area monitoring, Health and Safety monitoring and policies.

**Plus:** project plans and their effectiveness; use of contractors; and line layouts and efficiencies.

If you have a question or would just like a second opinion visit the PPMA Stand.

**Appointments can be made in advance by contacting David Harrison at the PPMA on + 44 (0) 20 8773 8111**

**To find out more about all these products and the complete range of PPMA services visit its Pavilion (C70) or [www.ppma.co.uk](http://www.ppma.co.uk)**

# Association looks over the horizon

A strong and pro-active association is an essential ingredient for the future of any industrial sector and the PPMA will be celebrating its 21<sup>st</sup> Birthday in style by taking a look over the horizon and building for the 21<sup>st</sup> Century.

A collective voice that drives the processing and packaging sector forward is the underlining work ethic of the association as demonstrated by the many services and initiatives being driven by the PPMA.

A particular example is the association's role within EAMA - the Engineering and Machinery Alliance - which was formed by nine leading associations in recognition of the need to speak as one industry. The Alliance is an effective lobbying group that engages with government, NGOs and organisations such as the CBI.

The PPMA is also very active on its own account with a range of services for both members and the customers they serve.

◆ **PPMA and UKTI Inward Missions:** Continuing its commitment to create overseas links for its membership, the association will host an inward mission for Russian and Brazilian delegations of potential buyers during the PPMA Show.

◆ **Technical Consultancy:** The PPMA is proactively engaged in helping shape legislation, writing standards, liaising with Government departments and the European Commission, as well as talking to machine user trade organisations.

Other invaluable technical services include:  
*Statistical market information to aid strategic planning:* The PPMA purchases statistics from various sources including Customs and Excise. As well as

information gathering, the PPMA provides interpretation and assessment on imports, exports and domestic trade.

*Machinery Research:* The association also takes an active role in helping to set up and manage research programmes. Research projects are usually part funded by the Government and involve research associations like PIRA and PERA, and leading universities. Current research projects:

- The interaction between packaging materials and packaging machinery
- Food processing machinery research
- Appetite for Engineering – an initiative from Food Processing magazine and Food Processing Faraday and others - aims to encourage the food industry to adopt more engineering and automation.

◆ **Seminars and training:** The PPMA runs a series of courses and seminars to keep both its customers and its members up-to-date on the latest EU Directives; Machinery Risk Assessment; climate change and its impact on the sector; and much more. It also runs in-company courses.

◆ **Machinery articles - Web services:** One of the most recent introductions is a guide to machinery terminology. An Online Dictionary, the machinery articles section provides real focus for customer searches by creating generic titles based on commonly used terminology across 11 packaging and processing "disciplines". Each 'machinery article' helps searchers through the maze of terminology associated with a particular discipline and contains the majority of the common search terms associated with a



## Challenging all you latent boy racers!

*Try your skills with the Racing Car Challenge on the PPMA Pavilion. Take a 4 seater Ferrari 355 for a spin around some of the world's most famous and daunting race tracks. The simulator allows individual time trials or an out and out race. We may not find the next Lewis Hamilton for McLaren but it won't stop people trying to emulate their favourite drivers.*

particular sector. It also provides an overview of the market and gives real guidance on machines and systems.



◆ **Publishing:** Star of the show is the bi-monthly Machinery Update, the only UK title to concentrate solely on the processing and packaging machinery sector. The Processing and Packaging Machinery Directory, which has over 1,000 machinery classifications, provides a comprehensive guide to machinery for the UK sector. It lists all the PPMA members, gives details on personnel, machinery ranges, and useful business information, (trade names, product index, agency representation).

◆ **International Services:** An approved Accredited Trade Organisation under the UK Government Scheme, the PPMA assists interested companies to attend overseas exhibitions and creates both inward and outward missions.

# Never been 21 before ... the PPMA's rites of passage

Turning 21 has always been a rite of passage, a time to look forward not back. However, historical perspective can bring more to the party than naval gazing if used as a reminder of what an entrepreneurial spirit can achieve.

Officially founded in 1987 the high spot of the fledgling association must be the first PPMA Machinery Show in 1988. It was born out of dissatisfaction with the treatment packaging machinery manufacturers felt they were receiving at the hands of show organisers.

Indeed such was the strength of feeling among exhibitors that it took only one year to get the new show up and running.

The birth of the PPMA was

***There were those that felt the idea of a new show was doomed to failure with one leading trade journal likening the show to "a Reliant Robin taking on a Rolls Royce". How wrong can you be!***

driven by a "gang of eight" machinery suppliers who stumped up some £2,500 each.

Chris Marks, founder member, second president of the PPMA and the then managing director of Bosch Packaging UK, said: "We took on Andrew Manly as general



Jerry Marden

secretary, took a short lease on offices in Croydon, hired a desk, waste paper basket, filing cabinet, and toilet paper! We just didn't know how long the funds would last!"

But it didn't take long for the association to grow. It achieved its first 80 members within 18 months, growing well into the 100s when, in 1989, it took over the Packaging Equipment Manufacturers Association.

Although originally conceived as a pro-active answer to creating a show that worked for exhibitors and **not** just exhibition organisers, the PPMA went on to grow a range of services that became the forerunners of today's multi-faceted association.

Among the stand out achievements of the early days were Machinery Update; the Processing and Packaging

Machinery Directory; technical seminars, legal and technical services; and online services as the internet phenomenon burst upon the scene.

Another major contribution was its pioneering role in forging relations with China and setting up offices in Beijing to ensure UK manufacturers hit the ground running in this vast, untapped and fascinating market.

However, arguably the PPMA's greatest achievement was its fast reaction to a changing regulatory environment and its consequent ability to participate in shaping directives and standards emanating from the EU.

All these initiatives were the forerunners of today's multi-faceted organisation (see facing page), which continues to pro-actively grow its activities for members and customers.

Today, of course, the PPMA Show has come full circle and is now run by Reed Exhibitions alongside the PPMA; which proves that even exhibition organisers and exhibitors can be friends - eventually!

The final word goes to the current president Jerry Marden, director of Marden Edwards: "The PPMA has and must always mirror its members' business environment. As we go forward it is clear that two relatively recent PPMA developments - the China office and investment in the PPMA website - will help member companies and their customers with the new world in which we work."

Jerry adds: "Creating a forward looking and dynamic association has been made possible by the firm foundations provided by all the past presidents and dedicated staff."

## PRESIDENTIAL THOUGHTS

*"The original pathfinders had the fun and the pioneering spirit. It is always harder*



*for those that follow because they no longer have the magic of having done it first but the PPMA is just as valid today as it was in 1987." - Chris Marks*



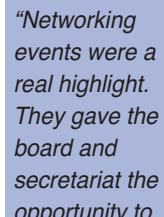
*"Looking back I would say that the hardest part was convincing a sceptical*

*press and industry of our ability to achieve our goals." - Derek Moore*



*"The strongest story must be the PPMA Show and, in more recent years, the*

*emphasis on education and training." - Barry Tucker*



*"Networking events were a real highlight. They gave the board and secretariat the opportunity to meet members, receive valuable feedback and discuss initiatives" - John Clayton*

### Join the party

Join the PPMA for an evening of Burlesque to celebrate its 21 years as one of the UK's leading trade associations.

**Wednesday October 1**

NEC's Concourse Suite

Contact:

david.harrison@ppma.co.uk or janine.berriedale@ppma.co.uk

PRESIDENTS ROLL OF HONOUR	
<b>The PPMA says a big thank you to:</b>	
Derek Moore	1987 - 1989
Chris Marks	1990 - 1991
Bob King	1992 - 1993
Derek Moore	1994
David Wright	1995
David Potter	1996
Colin Barker	1997 - 1998
Barry Gunton	1999 - 2000
Barry Tucker	2001 - 2002
John Clayton	2003 - 2004
Mike Randall	2005 - 2006
Jeremy Marden	2007 - 2008

# Coupling at speed

An important step towards achieving an automatic tool change facility for coupling tools to TLM robots will be shown for the first time in the UK by **Schubert (B21)**.

The new automated method will be demonstrated as part of a high-performance line packing cereal bar cartons into trays and yoghurt drink bottles into sleeves.

The new feature represents a major step towards Schubert's goal of achieving a revolutionary automatic tool change facility on all its systems, says the company.

The new method typically reduces machine resetting time by as much as eight minutes and eliminates the risk of control failures caused by loose contacts, adds Schubert.



The tool connects itself to the robot as both incorporate non-contact electrical couplings. The tool's coupler is programmed with a pre-set code so the robot can check the tool matches the correct application.

Schubert's demonstration line

will comprise 3 TLM-F44 pre-grouping stations, plus a series of TLM-F2 robotic units which will be performing high-speed erecting, loading and closing functions.

T: +44 (0) 1676 525825

E: contact@schubert-uk.co.uk

## SHOW BRIEFS

- Food and Confectionery Processing equipment manufacturer **BCH (F72)** will exhibit its vacuum cooling technology, plus a range of kettles, atmospheric cooking, and pressure cooking. It will also show its low cost confectionery extrusion line aimed at new start up companies or developing markets in the Middle East, Africa and Asia.

T: +44 (0) 1706 852122

E: info@bchltd.com

- Russell Finex (F71)** will showcase its range of sieves and filters including a working model of the totally enclosed Russell Self-Cleaning Eco Filter® unit. Also on display will be Blow-Thru Sieve, Compact 3in1, the Finex Separator with Vibrasonic® Deblinding System, and an assortment of different sized Russell Compact® sieves.

T: +44 (0) 20 8818 2000

E: sales@russellfinex.com

- Eco-Cut™ Tray Sealer from Packaging Automation (F51)**, first shown at Foodex Meatex 2008, is designed to cut costs, reduce waste and increase productivity.

Testing carried out to demonstrate benefits shows film saving of up to 33 per cent and a reduction in production downtime of 20 per cent, claims the company.

An unnamed customer who took part in the initial trials reported sealing 8,200 trays from one reel of film compared with 4,440 trays on a normal tray sealer.

T: +44 (0) 1565 755000

E: info@pal.co.uk

# Loma weigh in with first UK demo

**Loma (B75)** will be showing off its new checkweigher the CW3 to a UK audience following its recent introduction at interpack 2008.

The rugged stainless steel CW3 is compact and versatile and can be engineered to suit individual customer requirements and will fit comfortably into most existing conveyor systems, says Loma.

Loma will also be showcasing its IQ3+ metal detector system,



a variable frequency metal detector that is claimed to make HACCP and retailer compliance simple, thanks to its on-board Ethernet and USB connection.

Its X4 X-ray machine, which is able to detect non-metallic contaminants and monitor weight, size and shape of products to maintain strict safety and quality control, will also be exhibited.

T: +44 (0) 1252 893300

E: uk.sales@loma.com

# Getting smart with ink jet

The Sauven 6000Plus range is claimed to be a smart alternative to CIJ printers. To be showcased by **Sauven (G33)**, attributes are said to be higher resolution print without the usual cost, maintenance or shut down procedures.

The 6000Plus Duo ink jet printer, which uses leading edge piezo technology offering high resolution print up to 34mm, will be making its debut.

Also on show is the newly developed compact Sauven 7000 series which offers large

character print up to 70mm for text, barcodes and graphics with the benefit of sealed ink cartridge systems, virtually no maintenance and made with economy in mind, says Sauven.

T: +44 (0) 1932 355191

E: sales@sauven-marking.co.uk



SHOW BRIEFS

Auto-id and labelling technology company **Codeway (B36)** will exhibit a range of automatic and semi-automatic systems to suit applications in the food, aerospace, motor, horticultural, chemical, plastics, timber and other industries.

These include weighing and volumetric systems which combined with Avery Dennison print and apply machinery, provide comprehensive solutions for despatch labelling and control; automatic pallet labelling machinery including two side and twin pallet labelling; and 2D coding including GS1 DataBar coding.

T: +44 (0) 1206 751300  
E: identify@codeway.com

**Yamato (C91)** will introduce the new Waterproof and Compact 14 head version of its Alpha range of weighers.

Also being launched is the SDW509 semi Automatic weigher which can handle sticky items such as fresh meat, fresh fish and poultry products.

T: +44 (0) 1132 717999  
E: sales@yamatoscale.co.uk

**OK International Group (D15)** will introduce the Superliner SL110 polybag-in-box machine. It pulls a bag from a wicket, opens and inserts the bag automatically into a shipping case, crate or tray and cuffs the bag over the edges. The machine can be quickly adjusted to different container sizes.

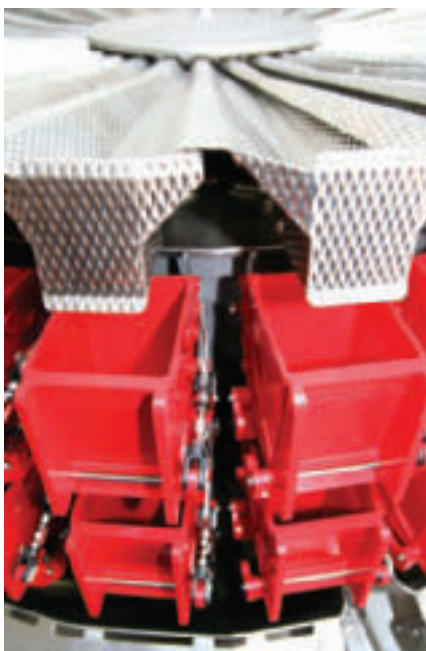
T: +44 1359-250705  
E: sales@okiuk.com

# Sweet developments

An high-speed combination weigher for the confectionery and small bagging sectors claimed to be the fastest on the market will be launched by **Multipond (E76)**.

The MP28-400/400-A has been designed to meet the space constraints, speeds and accuracy levels required by these markets. It is smaller than its previous counterparts making it ideal for factories with restricted headroom, but also offers increased output at speeds of up to 430 bags/weights/minute, says Multipond.

Under development for 18 months, it features reduced size hoppers (0.4 litres) and has the ability to deposit target weights as small as a third of a gram with high accuracy, explains the company. This means that, as well as confectionery, it is also suitable for complex ingredient



Multipond's high-speed combination weigher

weighing (e.g. soup mixes and dried ingredients).

The advanced 28-head weigher combines partial quantities to achieve the target

weight; the weighed portion is then transferred to the forming tube of the bagging machine using Multipond's patented 'Oscillating Duplex Double Duckmouth' high-speed transfer system. This consists of two collecting hoppers which swivel to a central position over the forming tube to deposit the product. Due to the alternating motion, deposit times are halved, claims the company.

It uses a touch-screen control unit for easy adjustment and for changing products. All hoppers and product contact parts can be removed without tools for ease of use and cleaning.

The compact design and customisation possibilities allow seamless integration into the production process.

T: +44 (0) 1494 816644  
E: info@multipond.co.uk

# Food and pharma showcase

Systems for food and pharmaceuticals are the main thrust of the **Lock Inspection stand (C25)**. For the food sector the inspection equipment manufacturer will be showcasing the latest range of Universal Digital systems.

In the food sector the new MET 30+ Universal range, offers the latest product enhancements in metal detection equipment, capable of highly accurate detection of

ingredients and products through a range of packaging materials, says Lock Inspection.

Lock's MET 30+ Universal 3f/hf, is a fully automatic triple frequency metal detector, capable of highly accurate inspection of products packed in PE and metallised film.

The 3f/hf has an in-built Automatic Frequency Selection facility which chooses the optimum frequency, whatever the product or packaging. High frequency is selected to inspect dry foods such as cookies or snackfoods at 875Khz - four times more than standard food industry detectors, claims Lock Inspection.

Also on show are the company's digital MET 30+ Universal Pharmaceutical Metal

Detector (for tablets and capsules) and the Vertical Fall Metal Detector (for powders and granules).

The pharmaceutical unit, the most sensitive in Lock's MET 30+ Universal range, is constructed from stainless steel and utilises advanced electronics to ensure that microscopic foreign bodies in production lines can be detected and rejected at speeds of up to 30,000 tablets/minute.

The units can include a touch screen control panel interface, which acts as a user-friendly HMI for viewing metal detection data on-screen as well as on a remote PC.

T: +44 (0) 161 624 0333  
E: marketing@lockinspection.co.uk



# Sailing at speed

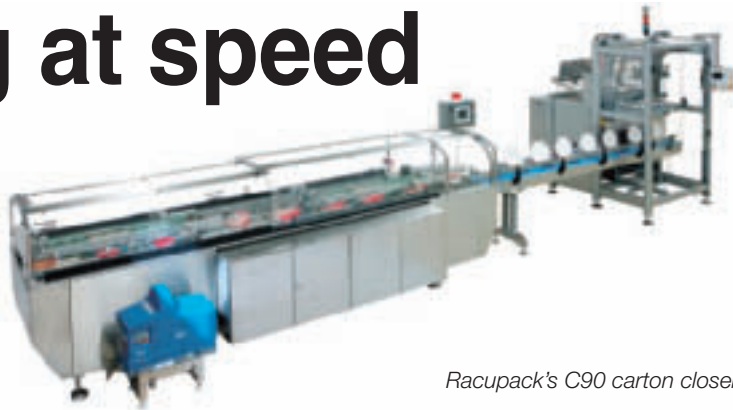
The Catamaran modular and flexible design from Racupack, of Holland, is used for two new cartoning systems for the food industry being shown by **Hansel UK (H51)**.

Racupack's RTC 220 SLIMLINE continuous motion side load cartoner will be shown for the first time.

The servo driven cartoner features a compact frame with an integrated side load mechanism. The side load mechanism sits directly over the carton transport chain, significantly reducing the overall width of the machine, claims the company.

It can be quickly and easily lifted out of the way using pneumatic cylinders, giving access to clear jams or to carry out maintenance.

The machine runs at speeds up to 200 cartons/minute, but



*Racupack's C90 carton closer*

has a footprint of only 1.5m x 5.5m, making it one of the most compact machines on the market, claims Hansel.

Racupack will also be exhibiting its latest C90 compact carton closer for vertically erected, top-load cartons. It has a small footprint of less than 5m x 1.25m and features a new IPC BUS system.

The machine, which is particularly suited to delicate products, features a patented and gentle carton handling system giving closing speeds of up to 200 cartons/minute. The system turns the carton

progressively, without stopping it, so problems with product being ejected from the open carton are eliminated.

The machine has a lugless transport system which means the machine can accept cartons at random from upstream filling lines with no risk of carton damage. There are no size change parts and changeovers normally take under three minutes.

The C90 is available with either hot melt glue closure or hot air sealers.

T: +44 (0) 1733 560911  
E: sales@hanseluk.com

## SHOW BRIEFS

- **Spiroflow (A40)** will show examples of its conveying and bulk bag handling equipment for the food, pharmaceutical and chemicals industries.

Its working flexible screw conveyors exhibit will demonstrate the function of these versatile conveyors and the feeder capabilities for accurate loss-in-weight and gain-in-weight metering, says the company.

T: +44 (0) 1200 422525  
E: sales@spiroflow.com

- **Integrapak (E56)** will show a range of machinery from Volpak including the SM-360 F3, capable of producing 150 corner cap stand up pouches/minute. Also on show will be BrickPouch, a flexible pack which allows content optimisation; and the Duo pouch for juices.

T: +44 (0) 1420 593680  
E: integrapak@integrapak.co.uk

- **Troax (F60)** will exhibit Rapid Fix, which the company claims is a versatile and easy to install machine guarding system designed to ensure high levels of safety on automated packaging lines.

Also on display is Smart Fix, a safety fencing system supplied in kit format.

T: +44 (0) 1793 542000  
E: info@troax.co.uk

- **Transnorm System (H72)** will feature its range of world patented belt curves, as well as examples and applications from its latest conveyor system range.

T: +44 (0) 1684 291100  
E: sales@transnorm.co.uk



## Bakery highlights from PiP

The latest Streamfeeder 'Flow-fold' developed by **Partners in Packaging (PiP)** will be shown fitted to the discharge of the established Pro-series ST 1250 (C61).

'Flow-fold' is designed to take flat pre-creased U and C cards and fold them as they are dispensed, alleviating the need to make expensive modifications to flowrapper infeeds, says PiP.

The 'Flow-fold', aimed at bakery markets, features an additional top control unit to increase the range of cards which it can handle. The module is fully adjustable for a range of card sizes and can be wound out of the way when not required.

The MGS iSys automatic Tray denester will also be shown



*The Streamfeeder 'Flow-fold' developed by Partners in Packaging*

denesting plastic trays. The latest system is equipped with improved adjustability and "user friendly" design. A full size

change takes no more than a couple of minutes to complete from running to running, says PiP.

The machine is capable of handling a wide variety of trays including plastic, foil, paper pulp and multi cavity trays.

A new continuous motion High Speed Rotary Pick and Place TopSert II leaflet and booklet applicator will also be on display.

It applies outserts measuring from 25 x 25 x 1mm thick to 75 x 75 x 4mm thick to caps on bottles measuring from 25mm diameter x 65mm high to 100mm diameter x 200mm high.

T: +44 (0) 1706 369000  
E: sales@partnersinpackaging.com

# Friendly data capture

A software programme that can link up to 100 checkweighers to provide valuable production data will be launched by **Ishida Europe (C60)**. Also on display for the first time in the UK will be a new entry-level tray sealer, the QX-300.

The Ishida Data Capture System (IDCS) is a user-friendly, secure software programme that offers an extensive range of reporting options to enable production managers to employ state-of-the-art monitoring for legislative compliance while also identifying cost savings, minimising product giveaway and improving production efficiencies, claims Ishida.

Data can be analysed by batch, shift, operator, product or machine, with fully customised reports, and is accessed either on-site or remotely using secure Ethernet connections.

The QX-300 for the ready meal sector is claimed to be a reliable, hygienic and easy to operate entry-level tray sealer, for low-volumes and for frequent product or tray changeovers. Top speed is 20 trays/minute.

It is compatible with all types of tray and top lid materials, including board, plastic and aluminium. It can handle a large number of different tray formats in depths up to 130mm and can be configured to specific product requirements, including sealing only, vacuum and vacuum/gas flushing, says Ishida.



Also on show will be the latest Atlas-122 bagmaker, available in either single or twin tube configuration. It has speeds of up to 250 bags/minute with accurate film registration, tight bag seals and a unique auto-film splicing facility, claims Ishida.

The Atlas range is available with advanced iTPS™ software, which supports integrated operation with Ishida multihead weighers, throat metal detectors, printers, seal testers and checkweighers to maximise line efficiency.

T: +44 (0) 121 607 7700  
E: info@ishidaeurope.com

# Comet in continuous motion

The PFM Comet vertical FFS machine, capable of 180 bags/minute will be unveiled in the UK for the first time by **PFM Packaging Machinery (E10)**.

The compact and versatile machine marks PFM's arrival in the high speed bagging



market and coupled with a PFM multihead weigher it provides a cost-effective solution, particularly for the snack food and confectionery industries, states the company.

The continuous motion machine incorporates a long dwell rotary sealing system to provide hermetic seals as well as a short drop height for fragile products. Draw down of the packaging medium is via vacuum or friction belts, while gas flushing for MAP can be carried out at full speed, claims PFM.

Also on show will be the MBP C2 14-head multihead weigher, sealed to IP 65 standards for wash down in the food industry, and the Scirocco flow-wrapper, a servo driven machine for high speed MAP applications.

T: +44 (0) 113 239 3401  
E: pfm@pfm-ltd.co.uk

SHOW BRIEFS

■ **Witt Gas Techniques (C85)** will exhibit its new MAPY 4.0, an ergonomically designed, multifunctional, mains operated, O<sub>2</sub> and CO<sub>2</sub> gas analyser for MAP lines. Also on show will be the handheld OXYBABY® that can be used both on packaging lines, and in laboratories. It is designed for small food packs, such as salami, cheese slices and snacks, including poultry and salads.  
T: +44 (0) 1925 234466  
E: carl.long@witt.co.uk

■ A new 'Solo' entry level weighing machine designed for use with dry, free flowing, low piece weight product such as snack foods is being introduced by **Easiweigh (E91)**. Capable of weightments up to 2kg and made from 304 grade Stainless steel, the machine features a pneumatically activated weigh pan and gating system. It can be supplied for immediate connection onto a customer's existing air supply or with its own stand alone miniature air compressor.  
T: +44 (0) 1905 28075  
E: sales@easiweigh.co.uk

■ **Kecol Pumps (G44)** will be showing an Articulated Pumping System suitable for emptying 4 x drums mounted on a pallet; and a system for Square Bin/containers for handling high viscosity fruit pastes, sausage meat, pharma creams, etc. without the need to lift or tip the containers.  
T: +44 (0) 1746 764311  
E: sales@kecol.co.uk

# Apply for entry

A new generation of compact entry-level print-apply labelling machines equipped with e-mail facilities, to provide remote warning of errors or service requirements is being demonstrated in the UK for the first time by **Logopak International (F44)**.

The Logopak 400 range is aimed at mid-speed duties, typically 50-60 cases or shrink-wrap collations/minute, and is self-monitoring to provide site maintenance engineers with remote warning of potential problems via e-mail.

Also on show is the newly developed I-Quest software that allows users of Logopak machines to search for, extract

and present production management statistics and other data from end-of-line print & apply operations, says the company.

The new I-Quest software runs as part of Logopak's Synchro-LXS suite of programmes, which holds and manages labelling data files on a PC to give real-time data flow to the labeller, independent of the host computer from which the data is initially downloaded.

This allows the labeller to continue operating at maximum capacity when the host computer is engaged on other tasks apart from labelling,



The Logopak 400

states the company.

I-Quest is said to allow users to interrogate the system and extract production statistics as well as search for specific data and pallets on a key identifier basis, such as a product code or production date.

T: +44 (0) 1904 692333  
E: salesonweb@logopak.net



# Play at low speeds

The G300 palletising robot, a "plug & play" Cartesian type machine, intended for low throughput operations in the region of 300 bags/hour, for bags from 5 to 50 kg, will be launched by **Newtec (D30)**.

Bags enter the bottom of the palletiser and a grabber turns them through 90° to the left or right, or through 180° depending on the palletising

scheme. An optional separator sheet is placed directly on the pallet where four stops hold it in place.

Each machine is equipped with a a colour touch screen control terminal and equipped with a modem that permits remote maintenance of the programme.

T: +44 (0) 1673 844534  
E: bag@newtec-group.com

# Weighing and dosing

Industrial packaging specialist **Chronos Richardson (B97)** will show off its recently introduced Chrono-Weigh™ E55 F1 High-Capacity Nett Weigher that has an output of more than 2,000 weighings/hour.

The latest weigher features servo technology for accurate control of the dosing device and precision weighing accuracy at high speed. The weigher is controlled by the SpeedAC NXT controller, which was recently awarded the international Measuring Instrument Directive (MID) certificate.

Also on show will be the high capacity Chronos Richardson RP 1200 robot palletiser. A new motorised gripped assembly has been introduced to provide a fifth movement axis for precision bag positioning.

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



# Getting smart with ink jet

The first industry Smart Cartridge™ for small character continuous jet printers will set a higher standard in marking and coding performance, claims **Videojet (A10)**.

The Smart Cartridge™, which is a fluid bottle with a microchip that identifies whether compatible fluid has been installed, prevents errors in ink types and means that switching make-up and ink bottles does not have to take place, it says.

Featured on the new Videojet 1510, the cartridge drains completely while its needle-and-septum design eliminates the need for operators to pour ink, preventing spillage and waste, says the company.

Videojet claims that its new printhead automatically sets up and adjusts to environmental changes, resulting in consistently sharp print quality even in harsh environments.

This is made possible by the Dynamic Calibration feature which means the printhead automatically adjusts even in extremely hot and cold conditions, says Videojet.



*Cartridge changing on the Videojet 1510*

The small character Videojet 1510 ink jet printer includes 'smart' features that virtually eliminate operator mistakes and provides long intervals between maintenance operations, it says.

Designed for medium-duty applications that involve printing codes for about 16 - 20 hours/day six days/week, the Videojet 1510 is said to be ideal for the food, beverage, chemical, pharmaceutical and personal care/cosmetic industries.

T: +44 (0) 870 240 5543

E: sales@videojet.com

## Stretchwrap debut

Two value-added high spec machines, the ROTOPLAT 507 turntable pallet stretch wrapper and the fully automatic high performance ROTOPLAT 3000 PGS in line pallet stretch wrapping system, will be unveiled by the newly named **AETNAGROUP UK (F50)**.

Now 100 per cent owned by the AETNAGROUP, of Italy, the company will also show off DIMAC single reel shrink wrapping systems and wraparound case packers, plus

the LASER range of sealing bar systems which meet demand for medium - low production rates, says AETNAGROUP UK.

Other machines on show are the ROBOPAC Compacta 1200A horizontal spiral stretch wrapping system, Athena Combi L-Bar sealer, and the ROBOPAC ROBOT battery powered self-guiding pallet wrapper, which can be used inside or outside the factory.

T: + 44 (0)1234 825050

E: sales@aetna.co.uk

# Mastering foil inspection

ALUMASTER, a compact metal detection system for products packed in aluminium foil bags and containers, will be launched by **S+S Inspection (A56)**.

The ferrous-in-foil metal detection system is suitable for dry and wet environments and is claimed to reliably detect magnetic and magnetisable metals, including stainless steel and nickel, within the product. It is suitable for both end of line and in-process inspection during packing, weighing and labelling.

The microprocessor control unit uses digital data processing and is self-monitoring and self-balancing, says S+S. Product compensation parameters are stored in the password protected non-volatile memory built in to the control unit. The tunnel detector is open and easily accessible for cleaning and maintenance and all surfaces comply fully with food industry requirements, says the company.

Four models are available to suit belt widths from 300- 800mm and product height up to 230mm. Faulty product ejection



systems include swivel arm, pusher and air blast, all combined with a lockable reject container. The conveyor unit is constructed from stainless steel to minimise effects on scanning sensitivity and stability.

Designed to be easily integrated with existing conveyor packing lines, the ALUMASTER complies with food industry IFS and HACCP requirements.

T: +44 (0) 1489 553740  
E: info@sesotec.co.uk

# Glass checked to perfection

GlassCheK Quad a new detection system for monitoring high risk products in glass jars will be exhibited by **Mettler-Toledo Safeline (D31)**.

Said to ensure fast and reliable detection of foreign bodies such as glass, metal and stone, it simultaneously scans with one vertical and three horizontal x-rays beams. This maximises coverage and probability of detection within the jar by reducing blind

spots in the base, sidewalls and neck, says the company.

Multiple inspection settings can be stored on a single system ensuring optimum detection whatever the jar's size or shape. The small footprint GlassCheK Quad is said to be especially effective for wide neck jars and offers superior detection on shards of glass, as the four beams cover many possible placement orientations.

Additionally no manual realignment of the beams is required resulting in increased line efficiencies, claims Safeline.

It features intuitive interface and product menus, and can be set up or adjusted by line operators thus minimising downtime.

The system can also measure product fill level in a jar and an optional bar code reader facilitates auto product changeover for increased throughput.

T: +44 (0) 161 848 8636  
E: safeline.info@mt.com



## SHOW BRIEFS

- **Smiths Detection (E20)** will exhibit its Eagle Pack range of X-ray inspection equipment including the 240 for high speed flow-wrap lines or small-mid size packaged items, and Eagle Pack 430 for mid-sized packaged products.

T: +44 (0) 1472 349204

E: terry.woolford@smithsdetection.com

- **SCM Easypak (E40)** will launch its "Ecolift" rigid mast flexi hoist and a roll turning unit. The weightless lifting unit can be adapted to suit most industries and applications, says the company.

Also on show is its X400 power prestretch pallet wrapper and the entry level X200 machine.

T: +44 (0) 1823 325544

www.easypak.uk.com

- **Euroflow Engineering (D11)** will launch a new modular conveyor system aimed at flexible production facilities where product processes and factory layouts are constantly changing.

Also being launched in conjunction with Colpac Packaging is a new table top sandwich packaging sealer. This machine has been created for small sandwich retailers and offers them industrial quality machinery on a small scale and budget, says Euroflow. The machine is also getting interest from the pharmaceutical sectors for small batch trials, claims the company.

T: +44 (0) 1205 357887

E: info@euroflow.com

# A wrap for chocoholics

Confectionery manufacturers will be treated to the first viewing of LoeschPack's LRM-S high performance fold wrapping machine for a variety of shapes, types and sizes of chocolate bars on **Cornwell Products' stand (D85)**.



LRM-S high performance fold wrapping machine for chocolate bars

Bars can be wrapped in a single production step with envelope folding, sleeve folding, or cubed folding, with or without bottom seam closure. The compact machine packs at up to 500 bars/minute. Feeding systems from moulding or

coating lines are available.

Smaller bars such as Napolitains are usually placed in multipacks and for this application the LRM-S is combined with the LTM-K-SA multipack machine. This single station machine produces a folded carton wrapping for multipacks with one or more rows of prepacked bars or mini chocolates at up to 150 packs/minute.

The LRM-S operates with a variety of materials including coated, sealable or paper laminated to aluminum foil, embossed or smooth paper, sealed or glued transparent film, which can also be combined with aluminium foil on one side.

T: +44 (0) 1732 866677

E: info@cornpro.co.uk

## Creating a dust free environment

Sieving and vacuum conveying will be demonstrated live on stand **(E25)** by **FarleyGreene** to show how a completely dust and contaminant free system can be achieved.

The Easilift sacktipping station and a vacuum hopper loader, alongside the Sievemaster Multiscreen grading sieve, will

demonstrate how materials can be separated into different fractions within one process.

Also featured will be a standard 565mm diameter 'Slimline' vibratory sieve with Farleygreene's new 'Hi-Flo' thru' funnel design. The design can more than double the existing throughput rate of this sieve,

putting it on par with similar type screeners at twice the diameter, the company claims.

A sacktip station will be launched. It includes a check sieve, dust extraction hood and frame at a cost of less than £5,000.

T: +44 (0) 1252 322 233

E: info@farleygreene.com

## Meals at the ready

Multi-Fill Inc, represented in the UK and Ireland by **F.Jahn (D82)**, will exhibit its newly developed product distribution system that allows its MPFSC120-01 automatic depositor to work with multi-lane machines, such as thermoformers or tray filling/sealing lines.

The system, aimed at ready meals manufacture, is designed to handle hard to fill products such as cooked rice and pasta,

fruits, vegetables and refrigerated salads at speeds up to 120 containers/minute.

One MPF filling head can now deal with up to eight containers in various combinations or patterns. Alternatively, the distribution system can be used as a stand-alone unit working, for example, directly under a multi-head weigher.

T: +44 (0) 20 8977 8822

E: sales@f-jahn.co.uk



# Domino is on the case

## SHOW BRIEFS

Making its UK debut will be Domino's new C6000AS plus capable of printing on adjacent sides of outer cases (C11).

Part of the C-Series range of outer case coders, its introduction addresses demand for more efficient use of both equipment and production floor space by synchronising two coding operations via a single print head, says Domino.

Launched at interpack it is claimed to be the first coder to offer this configuration. It is also said to provide easier set-up, faster production start-up and more efficient management of consumables.

The linerless M500, the latest addition to Domino's M-Series range of print and apply labellers, will also get its first UK outing. Claimed to respond to



Part of Domino's M Series - the M600

waste reduction and productivity improvement targets the elimination of backing for the self-adhesive labels means that waste is radically reduced and the labeller can run for twice as long between roll changes.

Also showing for the first time

in the UK is Domino's new D-Series plus laser coding range. The V300+ thermal transfer printer will be demonstrated with both 2" and 5" printheads.

T: +44 (0) 1954 782551

E: enquiries@domino-uk.com

- **Newman Labelling Systems (E103)** will exhibit its new Container Transfer System, which removes the need to manually transfer containers to the labelling machine or to use a synchronised screw transfer system. Now proven in production at the system operates at speeds of over 500 containers/minute and can be used with containers sizes from 1ml to 20ml. It is also suitable for use with glass vials and similar small cylindrical containers.

The Container Transfer System is a modular option to the Newman VAL550 high speed vial and container labelling system.

T: +44 (0) 20 8440 0044

E: sales@newman.co.uk

- **TÜV Product Service (B68)** will highlight its new division for the machinery sector aimed at machinery manufacturers who want help with international legislation and implementation of the impending Machinery Directive revision.

T: +44 (0) 1489 558100

E: info@tuvps.co.uk

- Austria's Austropressen range of balers for recycling is now available from **Lely Recycling Engineering (H80)**. Models have a capacity range from 1 ton/hour - 30 tons/hour, and are capable of handling a wide range of applications including plastic film, paper, cardboard and textiles.

T: +44 (0) 1480226800

E: recycling.engineering.uk@lely.com



## For labelling fans

A Concept 100 labelling machine will be launched by **Pagomat (B30)**, which will also show off its PAGOMat 6/5 that dispenses labels in a straight line from a fan folded label web.

The PAGO System 120 B is a compact concept for front and back labels. It offers the option for all-round labelling and its modular design creates flexibility with optional equipment for

product singling, aligning and centring, as well as coding.

The PAGOMat 6/5 provides accurate automatic labelling, says the company. One of its main features is that the liner is continuously extracted under vacuum during high speed labelling (up to 120m/minute) or removed by a cutter.

T: +44 (0) 1206 755206

E: machines@pago.co.uk



Fan fold PAGOMat 6/5

## Push me pull me anyway you can!

**Advanced Labelling Systems (B10)** is introducing the ALS 306 labeller which has dispensing speeds of up to 60m/minute and an accuracy of +/-0.5mm. It uses three heavy-duty precision stepper motors for powered unwind, dispensing and rewind.

The synchronised "push-pull" configuration of the drives allows

constant web tension, allowing all types of label materials to be handled at speed, says ALS. The braked unwind holds a large 400mm diameter roll up to 160mm wide, which can be placed in four positions when integrated on a production line.

Also on show is the ALX 3138-L Linerless Print & Apply

labeller that can double the length of material compared with a conventional self-adhesive label roll. Labels of any length can be programmed using the ALS labelling software package EtiCAD-5, says the company.

T: +44 (0) 1844 213177

E: sales@als-eu.com

## SHOW BRIEFS

## Compact creations from Endoline



## POWERed analysis

Thermo Scientific (E50) will show its POWERx™, EZx™ and PROx™ x-ray machines plus the APEX™ series of metal detectors for both basic and demanding requirements.

The POWERx series feature high-resolution detectors and sophisticated image analysis software to achieve the highest sensitivity and lowest false reject rates possible, says the company.

Virtual Contaminant Testing software is available to simulate various types, sizes and positions of contaminants to determine how to achieve the best performance in each application, says Thermo Scientific.

The APEX 300 Series designed for the food and beverage markets is available in complete drop through (D) and pipeline (P) versions.

The detectors are ideal, says Thermo Scientific, for bulk flow and piped products.

Thermo believes the machines' small size also makes it suitable for use with its VersaWeigh checkweigher to form an integrated inspection system.

A patent is pending for the APEX™ multi-coil design, says Thermo Scientific.

T: +44 (0) 1788 820300

E: sales.wi.uk@thermofisher.com

An enhanced version of the **Endoline Case Erector - 221/223 Mk3** - will be showcased (**A70**).

Improvements to the case erector include the extension of the hopper section by 50mm to accommodate specified case sizes. This does not impact on the compact footprint due to the removable top mounted hopper, explained Endoline.

A touch screen interface, available in four different languages, has also been installed. In addition fewer size change adjustments are required, says the company.

Features remaining include the dual opposing vacuum case opening; a system designed to ensure each case is opened positively from both sides

overcoming problems associated with stiff board and glue migration.

Following its launch at interpack, the Versapack a compact case erecting and packing system, gets its first UK outing.

Developed jointly by robot manufacturer Quin Systems and Endoline Machinery, Versapack is a combination of Quin's high speed automatic RTheta Casepacker and an Endoline 220 series case erecting machine. The development is said to offer customers additional options for high-speed case packing in areas where automation may not currently be possible.

T: 44 (0) 1767 316422

E: sales@endoline.co.uk

## Spring is in the AIR

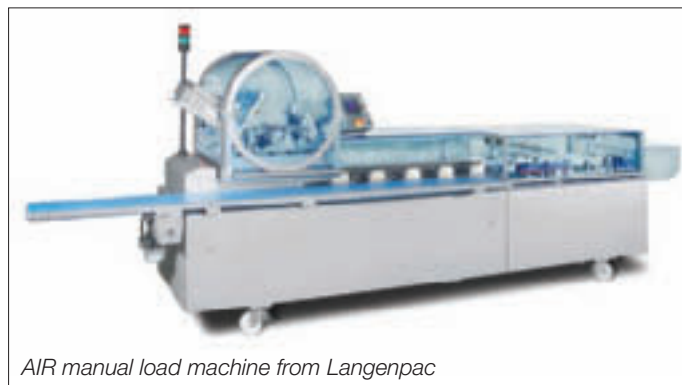
**Springvale Equipment (D80)** will have a number of its principals' systems on show. These include the new AIR manual load machine from Langenpac. AIR, which operates at up to 90 cartons/minute is adjustable for different carton sizes, has quick change features, plus a carton 'pre-break' at the magazine to ensure full opening of the carton.

Also on show will be cartoning systems particularly

suited for contract packaging of pharmaceuticals from U-E-T Bernd Siebler; Boato Pack an Italian manufacturer of VFFS machinery for variable width sachets and stickpacks; and UNIFILL vertical thermoform FS, monodose and single portion pack machinery for food, pharmaceutical, chemical and personal care applications.

T: +44 (0) 1420 542505

E: springvale@springequip.co.uk



AIR manual load machine from Langenpac

- **Synatel (G28)** is introducing its patented rotary paddle level probe - the Stepamatic.

The unit uses a stepper motor instead of the more conventional synchronous motor to give a direct drive to the paddle eliminating the need for gearboxes and clutches, says the company.

The direct drive allows rotation in both directions to avoid material compaction and has an adjustable torque control to allow a single paddle to suit virtually all applications.

Synatel says the paddle design allows the probe to be inserted via a standard 1" BSP mounting flange. It is also available with wire rope extensions up to 2 metres long.

T: +44 (0) 1543 277003

E: sales@synatel.co.uk

- The Sequence Total front/back labeller featuring an advanced digital control box providing reliable operator interface for quick and easy format change will be shown by **Sessions of York (D61)**.

It will also show the improved RC30 self-adhesive labelling unit which handles small cylindrical items and difficult-to-handle products such as vials, syringes, inhalers, pencils, batteries, tubes and lipsticks. It now has a smaller footprint.

In addition the competitively priced DPM+ print/apply labeller will be shown for the first time.

T: +44 (0) 1904 659224

E: machine.info@

sessionsofyork.co.uk



## And all that gas

**Parker domnick hunter (C86)** will showcase a fully working nitrogen gas generator system, provided by Dalco Engineering.

The demonstration will show how the MAXIGAS nitrogen gas generator system - CO<sub>2</sub> mixing station operates and makes on-site food-grade nitrogen and mixed gas from a standard compressed air supply safely, says the company.

The system is an alternative to traditional nitrogen sources used in the food packaging industry for applications such as MAP, gas flushing, pressure transfer and blanketing of food stuffs.

It is said to save up to 90 per cent of typical nitrogen gas costs due to its low lifecycle ownership and the elimination of costs associated with cylinder supplies, refills, and gas prices.  
T: +44 (0) 191 402 9000  
E: gasgen@domnickhunter.com



## Easy integration

The ease with which a slicer, flowwrapper and inspection equipment can be integrated into a single line will be demonstrated by **Selo UK (B41)**.

The equipment can be linked together for operation and E-stop conditions, while line data can also be captured for start/stop time, product count and the number of rejects.

Toyo Jidoki pouch filling and

sealing equipment will also be in operation. The Toyo Jidoki pouch filler is capable of depositing liquids and solids in to the same pouch.

The machine is ideal for packing various products including soups, sauces, ready meals and prepared fresh foods, says Selo.

T: +44 (0) 845 2932910  
E: uk@selo.com

## SHOW BRIEFS

- The Hapa 807 BlisterJet late stage customisation system for pharmaceuticals will be given its first UK outing by **Hapa-Laetus UK (B50)**.

Greater productivity can be achieved, says the company, by running large batches of product in blank blisters which are then printed offline with customer- or market-specific data.

Designed around digital UV Drop On Demand inkjet technology, a unit incorporates one or two printer modules, format-free blister magazine and transport, and is capable of printing in one or two colours at speeds up to 200 blisters/minute.

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

- **Doro Tape UK (A75)** will exhibit its new 3-D label system - logo-FLEX.

Based on newly developed technology from the German parent company, the system is said to offer customers the ability to add a 3-dimensional label to products.

The self-adhesive labels are available on a continuous roll. Logo-FLEX is made from a specially developed plastic material which has a high degree of flexibility combined with a quality adhesive system. This, says Doro Tape, makes the labels suitable for use on bottles, curved containers and boxes.

T: +44 (0) 1858 431642  
E: james.carpenter@dorotape.co.uk

## Non-stop pallet applicator

**Weber Marking Systems (F31)** will be unveiling a printer applicator for pallets, which allows labelling on adjacent sides without pallet stop.

The Weber Legitronic TB-2A pallet printer applicator, on show for the first time in the UK, applies labels to moving pallets, with up to five adjacent

application cycles/minute; previously this would have required one or two pallet stops. The TB-2A can be specified in either right or left hand versions and offers three different labelling cycles - side, front or back, and side and front or back. Real time information can be included for each individual

pallet. It is also suitable for other forms of outer packaging.

First shown at interpack the Model 5300 Series printer applicator combines modular design with high-speed label printing, application and RFID encoding.

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

## Beating the credit crunch

LabelSynergy, a lower cost print & apply machine, is being launched by **PRISYM ID (F87)**, to help customers beat the credit crunch, it claims.

The machine includes powerful label design functionality allowing new labels to be formatted and set up without having to purchase

a separate software package, says PRISYM ID.

High end features are said to include 99 variables in label formats, unlimited real time variables include sequential numbering, time and date stamp, and the ability to store various label designs.

LabelSynergy offers a range of application options such as a high speed blow applicator head or precision mechanisms. Variable data can be pulled from external databases and systems such as SAGE, SAP and MRP systems.

www.labelapplicators.co.uk



## SHOW BRIEFS

# Lights out but wide awake

**UPM Conveyors (B15)** will demonstrate unattended lights out production with full automation ranging from belt conveyor systems incorporating product counting by weight to an accuracy of one component/thousand assuming a 3 gram weight.

It will also show off its new Rotary Carousel Tote Box Filler which is based on two tiers with a capacity of eight boxes to minimise the occupied floor area. Product is fed with a swan neck belt conveyor fitted with air

ioniser and a cooling tunnel to give an eight hour (one shift) buffer, which allows an operator to look after several production machines, says UPM.

On achieving product count the in-feed conveyor stops and the stainless steel chute rotates to ensure the correct position of the next box.

T: +44 (0) 1753 548801  
E: sales@upm.co.uk



- **TENAX UK (A63)** will display its range of extruded net and mesh products for automotive and filtration in food, engineering and packaging markets. TENAX extruded products are available in a range of colours, mesh apertures, weights and thicknesses.  
T: +44 (0) 1978 664667  
E: info@tenax.co.uk

- The **K-Tron Process Group (A60)** will show off its Premier Pneumatics vacuum receivers. They feature sanitary design and meet the 3-A Sanitary Standard for Pneumatic Conveyors. The receivers are designed to convey delicate materials such as tablets and capsules as well as both free flowing and poorly flowing powders for industries including snack, bakery, cereal and confectionery applications.

The new multiple feeder/single line operator interface for the KCM, K-Vision will be shown. It features multi-language support, including Chinese, and a selectable quad screen.

T: +44 (0) 161 491 6225  
E: kb@ktron.com

- **Turbo Vacuumation (A47)** will exhibit its Jumbo Vacuum Tube Lifter suitable for fast, frequent lifting and repositioning of cardboard boxes, sacks, barrels and sheet materials weighing up to 300kgs. It can be jib mounted at a fixed point or suspended from an aluminium gantry system.  
T: +44 (0) 161 482 4004  
www.turbo-vac.co.uk

## Save your energy with SMC

**SMC Pneumatics UK (E90)** will be showing off its new energy-saving CVQ series of combined valve and cylinders.

The series combines SMC's CQ2 cylinder and V100 solenoid valve. This eliminates the need for any piping and results in a space-saving component offering a reduction in air consumption of up to 37 per cent

per cycle, says SMC.

Also being exhibited is SMC's range of wet, process and washdown products for the food and packaging industry including its new 'HY' series of hygienic actuators and valves.

Particularly suited to static control and elimination in clean room environments, SMC has expanded its range of ionisers

to include the IZS31 series.

The bar-type ioniser uses the corona discharge method to eliminate static and its smooth profile and aerodynamic cross section ensure flow disturbance and particle generation is kept to a minimum, says the company.

T: +44 (0) 800 1382930  
E: sales@smcpneumatics.co.uk

## Healthy option from Italy

Pharmaceutical and healthcare markets in the UK are being targeted with the GTL30 vertical case packer from Italian manufacturer MG2, now

exclusively represented in the UK by **Isopak (G40)**.

The machine, which has proved successful in the US market, operates at speeds of

18-22 cases/minute and features automatic hot-melt or tape closure functions to seal the tops and bottom of boxes after filling. Claimed to be operator friendly thanks to its touch screen technology, it is also easy to maintain and clean due to its cantilever-type design.

It can handle a variety of case sizes without the need to change parts as these can be easily accommodated by simple and precise adjustments using three hand-wheels, says Isopak.

The company supplies three versions of the machine - the GTL30/L, GTL30/MX, GTL30/L.

T: +44 (0) 1780 410093  
E: mail@isopak.co.uk



SHOW BRIEFS

■ **D C Norris & Company (D100)** will display its Jet Cook System. The steam injection system looks like a jet engine and performs in the same way, says the company. Products are cooked and heated at fast speeds atomising steam to extract the maximum energy. DCN says that customers can expect reduced costs and production times, as well as a high quality product with enhanced taste, texture and appearance.

T: +44 (0) 1767 677515  
E: mail@dcnorris.co.uk

■ **Ytron-Quadro (C51)** is exhibiting its new "Plug and Play" Microfluidizer Model M-110P laboratory unit for continuous high shear fluid processing.

This latest high-pressure processor, for the production of emulsions and suspensions in the nano particle size range, is powered by a standard 13 amp supply and requires no compressed air or cooling water, says the company.

T: +44 (0) 1494 792898  
E: sales@ytron-quadro.co.uk

■ **Industrial Washing Machines (B66)** will highlight the environmental credentials of its tray washer, cabinet washer and sanitiser range which incorporate recirculation systems to help minimise environmental impact. The Edi13 ALTA utensil washer is the first machine of its type on the Government's water technology list.

T: + 44 (0) 121 459 9511  
E: sales@indwash.co.uk



Versatility from ACS

**Allen Coding Systems (ACS) (F26)** will be exhibiting its entry level thermal transfer printer, the 53LTi. Developed for the food industry the printer will enable them to upgrade to a more versatile system that easily prints vital fixed and variable text and graphics, says Allen.

It offers many of the features

of more expensive thermal transfer units says ACS. These include 300 dpi print resolution; cassette ribbon loading; 600 metre ribbon capacity; 53mm x 30mm print area; print speeds up to 250mm/second; and a "best of breed" thermal print head.

T: +44 (0) 1707 379500  
E: info@allencoding.co.uk

Compact tube filling



**Norden (E45)** will be exhibiting its latest tube filling and sealing machine, the Nordenmatic 602.

The compact machine, which has outputs of up to 60 tubes/minute, can support many optional extras that are normally associated with much larger machines, such as two colour co-extrusion filling, design-a-

seal and scoop seal. It features Norden's high accuracy filling system the NM602, is easy to use, provides quick changeovers, and allows the operator excellent visibility of all machine functions, says Norden.

T: +44 (0) 1462 895245  
E: enquiries@norden.co.uk

Ulma at its peak

Two form fill seal machines for food manufacturers will be given their first UK outing by **Ulma Packaging (C20)**.

Developed by Ulma for high speed packaging of liquids, pastes, powders, granulated foods, snacks, frozen products, vegetables, and many other particulate products, the Everest continuous motion VFFS flow-wrapper has an integrated multi-head weigher. Suitable for MAP applications it is capable of handling a wide range of films, says the company.

Also on show is the Sienna fully automatic HFFS flow-wrapper for fresh produce, cheese and meat. Developed to operate at speeds up to 70 packs/minute, depending on product dimensions, the Sienna is suitable for medium to high volume food applications.

Other exhibits include the Florida entry-level HFFS flow-wrapper; the Taurus 300 tray sealer, and the TF Supra thermoformer for high volume meat applications - with or without MAP.

T: +44 (0) 1909 506504  
E: info@ulmapackaging.co.uk

Inline capper

**Adelphi Masterfil (F61)** will be showing its automatic 4-head flowmeter filling machine, semi-automatic 5 litre filling machine and a Mastercap inline single head capping machine.

The fully automatic flowmeter filling machine is plc controlled and can be supplied with 2 to 12 filling heads to give a fill rate of up to 4500 x 5 litre containers per hour accurate to ±0.2 per cent, says Adelphi.

T: +44 (0) 1444 472300  
E: sales@adelphi.uk.com



SHOW BRIEFS

■ **Tsubakimoto (E61)** will introduce a range of 'gripper' chains for thermoforming operations in the food, electrical and medical packaging sectors. The range opens to the side as well as vertically providing a larger opening to help prevent jams and make loading easier, says the company.  
T: +44 (0) 1623 688788  
E: sales@tsubaki.co.uk

■ **All-Fill International (E30)** will demonstrate its AFI Series 100 single head in-line automatic filling system filling a fine dusty non-free flowing food powder into wide-mouth plastic pots, with container lift for bottom-up compressive dust-free filling. The versatile machine is designed to fill a wide variety of container shapes, from 15mm to 250mm wide/tall, without change parts via simple no-tools adjustments, says the company.  
T: +44 (0)1767 691100  
E: info@allfill.co.uk

■ **Saimo (E15)** will exhibit its SAIMO14 Head Multi-Head Weigher which incorporates automatic feed and weight distribution control. Its dual servo system includes weight level sensor and advanced digital filtering. Weighing options are available for applications including fresh produce, frozen food, dairy and seafood. Capable of in-feed weighing, the equipment can be either stand-alone or incorporated into any part of the packaging line, says Saimo.  
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# Switcheroo from tna

The roflo@3 claimed to be the first servo driven, totally reversible, gateless and modular food transfer and distribution system featuring the new "switcheroo" technology, will be exhibited by **tna (E71)**.

One roflo@3 system can now service a production system that would normally require a series of dedicated lines, says tna.

It uses servo-driven, linear motion and modular components, to electronically control speed and direction via a touch key pad.

The aptly named "switcheroo" technology which controls the

roflo@3's bi-directional feed allows its stainless steel pans to be tilted or raised up and down to accommodate one or several lines and various configurations.

The 'switcheroo' offers automatic finger touch factory reconfiguration of an entire line or a section of line, explains tna. roflo@3 can be in-fed from multiple locations, handling multiple products on one line, with 'zero risk' of cross contamination and a significantly reduced need for accumulation, it claims.

Also on show will be the robag@3 VFFS bagger

integrated with kanga jaw technology and Delta 514 scale. The system is claimed to combine high speeds with even faster batch changeover and a greater choice of gusseted bag formats.

The robag@3 fx 180 rotary triple jaw VFFS bagger, said to be ideal for high density snacks and confectionery products, reaches speeds up to 300 bags/minute. It has four servo drive motors giving improved control and operational flexibility.

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# Wolke show off with Sunala

On show for the first time in the UK is the new entry-level version of the Wolke thermal ink jet printer m600 Advanced, displayed on the **Sunala stand (C16)**. The m600 Basic is designed for users who require fast, quality coding without



The new version of Wolke's thermal ink jet printer, the m600

some of the more sophisticated features of the m600 Advanced printer.

It can drive up to two print heads with printing speeds of up to 300m/minute with a maximum resolution of 600dpi.

Sunala will also demonstrate the recently launched m600 Advanced, a new version of its Pharmacarton Coding Station. It is designed for in-line high resolution printing of lot, expiry and bar codes for pharmaceutical and medical cartons. One key benefit of the m600 Advanced is its ability to meet track and traceability requirements by printing variable

Datamatrix codes to ECC 200, says Sunala.

Also on show is the latest Travtec TR-750 Speed-Feeder designed to feed flat cartons, paper sheets and blister cards for coding by ink jet, laser, labeller or print and apply labeller.

The machine can be supplied as a stand-alone system or tailored to customer requirements for integration with existing equipment. It can handle cartons up to 400mm x 250mm x 5mm, with throughput speeds up to 250 products/minute, depending on pack size. Product changeovers can be completed in less than five minutes, says Sunala.

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# Premiere for Food Robotics Centre

**CenFRA**, (Centre for Food Robotics & Automation) Europe's first robotics and automation centre for food and beverage will be making its exhibition premiere at the PPMA Show – **stand G50**.

A key message at the show will be that investment in robotics and automation for the food industry is now affordable and can cost as little as £20,000, resulting in a short pay back time.

A key part of CenFRA's work involves providing robotics and automation audits to those involved in the food and beverage sectors to help UK producers retain a competitive edge. The audits are free for companies based in the north of England and a small fee applies elsewhere in the country.

CenFRA will be running continual automation DVDs showcasing some of the companies that have already benefited from CenFRA's help including the Black Sheep Brewery and Greggs (the UK's leading bakery retailer).

CenFRA, which was launched in May, has a combined investment of £1.8 million – principally from Yorkshire Forward with support from the development agencies in the North West and North East, aptly named the Northern Way.

Commenting, CenFRA's commercial development engineer, David Cheeseman who will be attending the three day show said: "The aim of CenFRA is to help the UK food and beverage sectors become more sustainable over the long term.

"The overall UK level of investment in robotics and automation within food and beverage is one of the lowest in Europe, which must be addressed if these sectors are to thrive."

[www.cenfra.co.uk](http://www.cenfra.co.uk)



### SHOW BRIEFS COMPONENTS

■ **Jokab Safety (G24)** will show off its Vital System, a low cost, high safety level method of connecting safety devices to one control unit. This system has an IP69K non-contact sensor which can be used in wash down applications operating in temperatures from -70 to +70° C. A live robotic demonstration will be featured.  
[www.jokabsafety.com](http://www.jokabsafety.com)

■ **Aucotec (G8)** will be showing its Engineering Base software for electrical engineering design. It is suitable for machine, factory or process plant electrical design and maintenance applications.  
[www.aucotec.com](http://www.aucotec.com)

■ **Lake Image Systems (A26)** is launching the LakePLAS imaging system. By concentrating on common fault areas, and mounting cameras in these locations, they automatically trigger and capture several events. A library of sequences can be built up and analysed at a later stage.  
[www.lakeimage.com](http://www.lakeimage.com)

■ **Motion Control Products (C71C)** will launch its flagship ACSM1 range of Servo Drives from ABB with power up to 110kW.  
Also on show will be the new ACS MC4U motion control system. The MCP IntB has brushless integrated motors with an optional stainless steel version rating to IP67.  
[www.motioncontrolproducts.com](http://www.motioncontrolproducts.com)

# ABB is out in force

ABB will be exhibiting its robotic prowess both at the PPMA Show (C34) and Interplas with its latest generation pick and pack systems and force control technology.

On show at the entrance to **Interplas Hall 4** will be its RobotWare Machining Force Control (FC) technology that provides control in different machining applications where a robot's sensitivity responds to process forces, the company explained. Two advanced

software features are at the heart of the technology. FC Pressure allows robots to grind, polish or buff products while maintaining a constant pressure between the tool and the surface.

FC SpeedChange, enables a robot to deburr, deflash or part line surfaces of products at a controlled speed, slowing down when encountering excessive burr. For full functionality, the system requires standard ABB robots fitted with a force sensor;

an ABB IRC5 controller housing an interface card linking the sensor to the controller's computer; and cabling between the sensor and the controller.

At the **PPMA Show**, ABB will display the FlexPicker 360, which is said to offer the ability to handle heavier objects and accommodate the sophisticated grippers required to handle diverse products, along with its PickMaster software.  
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## Roll out for screw technology

**Olsen Engineering UK (A52)** will show the new Tritex series of servo linear actuators featuring patented inverted roller screw technology.

The roller screw technology is said to offer up to 15 times the life of ball-screw or other linear actuator types, with higher speeds, greater torque and high shock resistance making them ideal for high speed packaging applications it is claimed.

They incorporate a brushless servo motor, servo amplifier and



position controller in a single industrial grade enclosure.

This eliminates the expensive and failure prone inter-connections usually associated with a typical servo system, says Olsen.

The units are fully programmable from external command signals making it ideal for controlling valves and dampers in process control applications. It also features motion control software  
[www.consultolsen.com](http://www.consultolsen.com)

## PIAB operating in a vacuum

Industrial vacuum technology specialist **PIAB (B16)** will exhibit its complete line of C Series hygienic vacuum conveyors for powder and bulk applications in the food, pharmaceutical and chemical industries.

Also on show will be the ergonomic IC Series of industrial vacuum conveyors, mainly used for conveying in manufacturing.

The two systems are based on the company's patented COAX® multi-stage ejector technology. By integrating the internal components of a multi-stage vacuum pump into a vacuum cartridge, COAX® offers customers a smaller, more efficient, and highly flexible technology, says PIAB.

PIAB will also demonstrate its

Automatic Vacuum Management (AVM™) as an integrated control option for highly automated systems using the P3010, a multi-stage ejector vacuum pump; VGS™ 3010 (Vacuum Gripper System), a flexible solution for automated material handling applications.

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## Inspector calls!

Inspector a powerful 2D vision sensor will be launched by **SICK UK (D46)**.

The easy to use and powerful camera with a standard photoelectric sensor comes with integral lighting, powerful processing, Ethernet communication and rugged industrial housing, says Sick.

The Inspector has a choice of illumination types and its powerful image evaluation capability and easily programmable configuration make it suitable for a wide range of packaging applications, the company claims. This includes label presence and positioning, pack sealing and level fill verification.

The rugged housing incorporates either a standard ring light, or a diffuse dome light for inspection of glossy, reflective or metallic surfaces.

The Inspector's intelligent and fast algorithms, and powerful processing enable it to meet the speed of any production line, with time optimised evaluation and real time differentiation with a simple pass/fail output, says Sick.

Individual items do not require identical positioning for inspection, as the software evaluates edges, contours, contrasts, grey scale values or pixels in milliseconds, regardless of alignment.

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### SHOW BRIEFS COMPONENTS

- Real-life scenarios, developed in response to requests from machine manufacturers and users, will be shown by **Omron Electronics (F81)**.

The scenarios will demonstrate the latest developments in vision systems for process monitoring, quality control and automated inspection; remote connectivity as an aid to maintenance, data collection and error diagnostics for single machines or complete production lines; and systems that provide single-key machine set up.

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## Sorting it out with RADIX Systems

**RADIX Systems (E86)** will exhibit its AUTOSORT range of electronic sorters used for sorting natural and process defects in foodstuffs.

On show will be the new MC- D 'Double-sided' Sorter used for inspection of larger foods such as baby carrots and florettes, diced vegetables or nuts. It complements the existing MC-A, for smaller applications. Two or four

cameras are positioned to give an all-round view, detecting defects at top, tail and round the product.

A new ejector configuration combined with fast pneumatic valves ensures accurate removal of defects and contaminants with reduced wastage, says RADIX. The sorter features the RADIX designed 'Snapshot' processing technology which is claimed to

be capable of inspecting more than 500,000 items/minute. High resolution line-scan cameras allow detection of defects as small as 1.0mm.

The inspection in blue, green, red and infrared wavelengths enables detection of subtle colour differences and contaminants of the same colour as the product, says Radix.

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- Keimis and VisDA** are joining forces to show off their manufacturing efficiency and packaging line performance experience (**H70**). VisDA Technology specialises in improving total packaging line efficiency through the design and application of electronic controls, production monitoring and diagnostic systems. Keimis is a provider of IT Solutions targeted at optimising manufacturing performance. [www.visdatechnology.com](http://www.visdatechnology.com)

## Visionary sensors

**Balluff (C45)** will exhibit its new BVS Vision Sensor which combines vision capability and photoelectric sensor simplicity.

The optical sensor provides reliable error proofing and quality inspection and at just

58 x 52 x 40mm the sensor can be placed virtually anywhere a photoelectric sensor can be mounted, says the company.

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- Gemba Solutions (E29)** is launching Overall Equipment Effectiveness (OEE) IMPACT software that helps companies to identify production problems and make improvements to reduce downtime, improve quality and increase yields. [www.gembasolutions.co.uk](http://www.gembasolutions.co.uk)