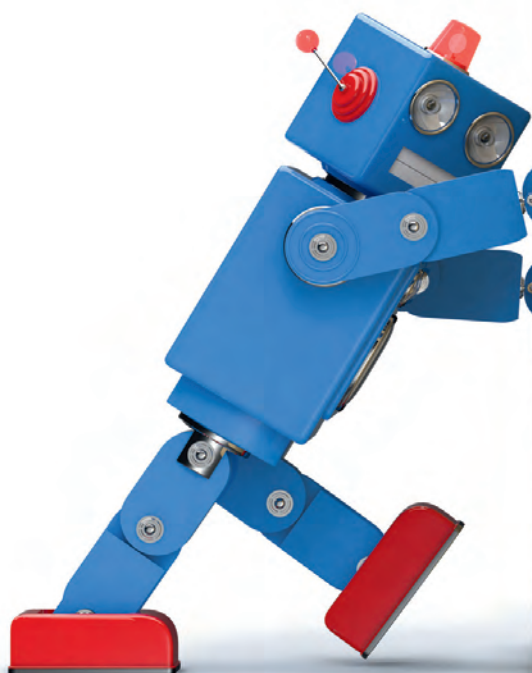


what's new in Food

technology & manufacturing



What's
new @
**AUSPACK
2015**

THE "SECRET SAUCE" OF HIGHER PERFORMING MACHINES



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It's no secret: the lifeblood of the world's most efficient production lines are lubricants. Specifically, Bel-Ray food-safe lubricants that withstand the effects of load, heat, water and dust. That's the Bel-Ray secret to maximizing performance and reducing machine downtime. Plus, Bel-Ray oils and greases are packaged in globally-compliant, multi-lingual labeling, an industry first from the leader in innovative specialty lubricants. Bel-Ray is not just the secret to higher performing machines. It's the secret to higher performing businesses. SEE THE ENTIRE LINE OF BEL-RAY PRODUCTS AT BELRAY.COM.



FLEX YOUR OPERATION

CONTACT US FOR A FREE ONSITE LUBRICANT SURVEY

Join us at AUSPACK 2015



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Welcome to this special, bonus, 'AUSPACK 2015' issue of *What's New in Food Technology & Manufacturing*. We hope you come to the exhibition and conference, have a great time and take this magazine away with you to remind you of some of the highlights.

It is always so busy at AUSPACK - so much to see, so many people to meet, so much to remember ... But now, you don't have to worry about the remembering every bit as this magazine is full of the best products and services at the event.

If you want to keep up to date about the latest technology, developments, news, products and services relevant to the Australian and New Zealand food and beverage processing industry, we can help. In fact, this magazine, *What's New in Food Technology & Manufacturing*, has been keeping Australian and New Zealand food processors and manufacturers informed for more than 23 years. Concentrating on everything in food industry from minimal, on-farm processing to delivery to the retail outlet, this magazine is delivered to qualified readers every two months. The magazine is available in both print and digital formats and, better yet, both are free.

While we don't give away steak knives as well, our commitment to the food industry doesn't stop with the magazine.

Complementing the magazine, our website - www.foodprocessing.com.au - is a fantastic resource for anyone interested in the food industry. Not only is it updated daily with the latest food and beverage industry news, it has a comprehensive directory which you can use to source equipment and service providers.

And that isn't all - every Tuesday and Friday you can elect to receive our eNewsletters, which include the highlights of the moment. Again, this is all free.

If you are wondering about how we can be so wonderful and useful and also be free, the answer is simple - advertising. No, you are not going to be bombarded with ads for nefarious activities that should be kept wrapped in brown paper, or betting ring access, or even fraudulent Nigerian blackmail schemes. Our advertisers are like you - in the food industry. They have the products and services that make your business work. They are keen to keep you informed about their offerings and you will find knowing about them actually helps you run your business.

Visit *What's New in Food Technology & Manufacturing* on stand number 670 to register to receive our magazine and eNewsletters or register online by going to www.foodprocessing.com.au and clicking on the 'Click here to join now' button in the bottom, right-hand corner.

Regards

Janette Woodhouse

Chief Editor

*What's New in Food Technology
& Manufacturing*

www.foodprocessing.com.au



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http://www.foodprocessing.com.au/latest_issues

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Why you need to come to AUSPACK 2015

The largest biennial processing and packaging machinery and materials exhibition in Australia, AUSPACK 2015, is reaching a significant milestone this year: the exhibition is celebrating its 30th anniversary.

Owned and presented by the Australian Packaging and Processing Machinery Association (APPMA), AUSPACK 2015 will be held from 24 to 27 March at the Melbourne Convention and Exhibition Centre. Entry to the exhibition is free and intending visitors can register in advance at www.infosalons.com.au/AUSPACK15M/index.php/.

For those involved in food and beverage manufacturing or processing, AUSPACK is a must-attend event with the entire industry on display - from processing, packaging and filling machinery, through to packaging materials, product identification solutions, materials handling, ancillary components and more. All this will be presented on 18,000 m² of venue space with over 1200 brands and lots of working machinery on display.

Over the four days, 300+ suppliers to the food and beverage processing and packaging industry in Australia and New Zealand will display their wares and be eager to discuss the latest innovations and trends in the industry.

A whole week of events

As part of AUSPACK's 30th anniversary celebrations, the Australian Institute of Packaging (AIP) and the APPMA have organised a whole week of events: Packaging and Processing Week 2015.

This week will see the expansion of the national technical forums, which will provide a three-day knowledge and

educational program, the APPMA Industry Excellence Awards and other networking events to celebrate the 30th anniversary.

2015 National Technical Forums

- 24-26 March 2015
- 8.30 am-4.30 pm
- Melbourne Convention and Exhibition Centre

The AIP and the APPMA National Technical Forums will be held concurrently with AUSPACK and deliver an educational program that will cover a broad range of topics relating to the theme of Open Innovation and Collaboration. The forums will be divided into breakout sessions to ensure that a diverse range of issues and topics is covered including:

- Packaging and processing innovations
- Robotics and automation solutions
- Primary packaging (including materials, food safety, responsible packaging, etc)
- Active and intelligent packaging
- 3D printing
- Chain of custody certification
- Retail-ready packaging
- Packaging printing
- Tamper evidence
- Eco design tools

A broad range of speakers from all areas of the packaging, processing, materials and components sectors will ensure the forums offer something for everyone.



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Register to attend the 2015 National Technical Forums by visiting <http://128.199.172.102/event-registration/?ee=18>.

2015 APPMA Scholarship

This will be awarded to a packaging engineer looking to further their education. The scholarship enables the recipient to enrol in a Diploma in Packaging Technology, an internationally recognised and accredited qualification for those wishing to pursue a career in the packaging industry or already in the industry wishing to expand their knowledge and expertise.

In conjunction with the AIP, the APPMA is offering a packaging engineer the opportunity to complete a Diploma in Packaging Technology to the value of \$9000. The diploma is a Level 5 qualification that prepares students to take responsibility for packaging operations at any level through the supply chain and can also lead to higher-level study.

2015 APPMA Industry Excellence Awards

The 2015 APPMA Industry Excellence Awards winners will be announced on 25 March at the Crown Melbourne.

"Companies that enter these biennial awards are recognised for their contribution and outstanding achievements against their peers within the wider packaging industry and we encourage everyone to enter," said Mark Dingley, chairman, APPMA.

The awards categories are:

2015 Export Achievement Award

This award recognises worthwhile contributions to an existing

What: AUSPACK 2015

When: 24 March 2015 - 27 March 2015

Where: Melbourne Convention & Exhibition Centre

More info: www.auspack.com.au



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or new export market. Contributions can include establishing a new market, achieving a significant increase in sales by both supplier and customer, identifiable by monetary gain from an export activity. It can also be any developed packaging or processing machinery sold into overseas markets which contributes to improved business outcomes, efficiency, sales and profit increases.

2015 Design Achievement Award

This award recognises the development of a packaging or processing line or module that results in the significant advancement of packaging and processing machinery technology by either introducing a new idea or modifying an existing principle. The design concept and implementation are weighted highly in the bestowing of the award. The product must have helped to achieve better business performance.

2015 Customer Partnership Award

This award focuses on the customisation of packaging and processing machinery that is required to meet a customer's individual needs. The winner - either an individual or a team - will be able to demonstrate that the end user has experienced increased sales, plant efficiency and profitability. The customer's outcomes will form a large element of the award decision.

2015 Imported Equipment Award

This award is designed to recognise the efforts of a company that promotes its overseas principal's equipment in the Australian market. The equipment itself must represent a high standard of excellence in every respect.

2015 Best New Product Award

This award is designed to recognise the most innovative product or equipment in the packaging and processing industry launched in Australia for the first time during AUSPACK 2015. The equipment or product must have proven efficiency or productivity gains, be innovative and have proved and improved cost of ownership.

APPMA
www.appma.com

AUSPACK EXHIBITORS

Exhibitors list correct as at 21/01/15

AUSPACK PLUS 2015



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Exhibitor	Stand No
A&D Australasia	149
A.B. Autopack	645
AAA Packaging Supplies	620
ABB	432
Absortech	660
Accuweigh	143
Achado	720
Adept Turnkey	232
ADM	229
ADSYS	115
Advantage Austria	322
Aeroklas	672
AIP - Australian Institute of Packaging	116
Allpack Australia	228
Amberflex	678
AMT	668
Apex Dynamics	103
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Asia Pacific Packaging	499
Aurora Process Equipment	710
AusIndustry	357
Australian Filling and Packing Machines	633
Australian Wrapping Company	412
Australis Engineering	359
AustralWest	736
Automaint	237
Axellent Automation	636
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Balluff	468
Barry Wehmiller	343
BBC Technologies	121
Bestech	735
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BevTech	561

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Bliss and Reels	624
BluePrint Automation	448
Blustrap	477
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Cama Group	528
Case Packing Systems	626
CASI	563
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What: AUSPACK 2015

When: 24 March 2015 - 27 March 2015

Where: Melbourne Convention
and Exhibition Centre

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AUSPACK PLUS 2015

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Exhibitor	Stand No	Exhibitor	Stand No
Easy-Print	422	HPS	739
Eco Carton	473	Huasheng Holdings	163
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Emrich	263	HZ	166
Eriez Magnetics	744	ifm efector	509
ESKO	247	Impact Automation	429
Expander	482	Impresstik Labelling Systems	233
Fallsdell	521	InControl	201
FB*Propac	424	Innpack	131
Ferag/Denipro	540	Innovia	318
Ferret	397	insignia	550
Festo	378	Intralox	150
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Filler Specialties	355	JAVAC	296
Filtec Australia	113	Jiangmen Peng Jiang Fulun Hardware	461
Flexilink Computer Services	721	Jin Wang Australia	301
Foodmach	656	JL Lennard	551
Foster Packaging	417	JMP Engineering	215
Fuchs Lubricants	734	Johns Adhesives	676
Funktion	543	Juxian Prospect Plastic	159
Furphy Engineering	664	KHS Pacific	708
GE Intelligent Systems	722	Kiel Industries	662
Gebo Cermex	643	Kockums Bulk Systems	339
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FLUKE PROCESS CALIBRATION TOOLS.

WORLD LEADER IN PROCESS PROFESSIONAL TEST TOOLS.



Fluke understands food and beverage processing plants must operate with extreme reliability and precise control of temperature and other operating parameters. At the same time, plant operators face requirements to save on energy costs, operate more efficiently and eliminate accidents.

Fluke has the broadest selection of process calibration tools in the industry. Designed to withstand the harshest environments and featuring first of its kind innovations, Fluke Calibration tools offer a full range of accurate, rugged and reliable calibration solutions for professionals in the food and beverage manufacturing industry.

Food and beverage processing.

Increase productivity in food and beverage.

Use Fluke tools for:

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- Downtime prevention
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- Waste minimisation

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FLUKE®

STAND

479

LN₂ dosing system

The UltraDoser 500S is a multipurpose liquid nitrogen (LN₂) dosing system using cryogenic technology and PLC programming. The system has been designed for low-to-medium production line speeds to dispense a precise dose of LN₂, which gasifies and is either trapped in the container to add rigidity or escapes with oxygen to inert the headspace.

The system can dose up to 2000 containers/min. LN₂ is supplied to the dosing system by a vacuum insulated hose and flows into the dosing head. A sensor detects the speed of the line (encoder compatible); a second sensor detects the presence of a container. When a container is detected, the dosing head opens and dispenses an exact amount of pure LN₂. A PLC integrates the sensors, controls and human interface.

The compact system has been designed specifically for tight pressure specifications. Features include discrete or continuous dosing as defined by the user, SoftDose compatibility for hot fill, powder and granular applications, capability to monitor and troubleshoot the system remotely and automatic dose adjustments at any line speed between low/high points as defined by the user.

Chart Australia Bio-Medical
www.chart-ind.com



STAND

521

Dissolver

Incorporating Fallsdell Machinery's hygienic, high-flow design, inline emulsifier, the Powder Plus Dissolver will induct powders and liquids, premix, dissolve and emulsify all in one operation.

The product draws powder directly from the 50 L hopper under vacuum via a venturi, through a specially designed manifold into the liquid stream. The manifold premixes the powder and liquid then the combined products are emulsified all in the one inline operation.

The systems are typically used in the pharmaceutical, food and chemical industries and are manufactured out of stainless steel, with optional loading trays and double flush seals.

Fallsdell Machinery Pty Ltd
www.fallsdell.com.au



STAND

471

Hygienic operator devices

Schmersal's N-Series range of products, available from Control Logic, has been designed and tested specifically for the food industry and other hygiene-sensitive environments. The product range consists of a portfolio of command and signalling devices including emergency stop mushroom buttons, push-buttons, illuminated push-buttons and pilot lights, selector switches, main switches and more. Constructed using the 'hygienic design' principle, there are no corners or edges, which prevents contamination and allows the device to be cleaned and maintained easily.

The series is UV and ozone resistant, and also resistant to cleaning agents typically used in the food processing industry. Special seals prevent the penetration of product residue in the gaps between the fixed and moving parts, effectively preventing the formation of bacteria that are hard to reach for cleaning.

This range includes the NDTP30 and the NDLP30 and features the hygienic mushroom shape push-button technology. These buttons have an ergonomically improved shape as well as a 3-colour LED module. With a single standard command unit (ELDE.N), three different signals or commands can be displayed at the button head.

Control Logic Pty Ltd
www.control-logic.com.au





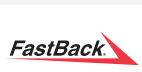
Design & Engineering | Manufacturing | Installation & Commissioning
Service & Spare Parts | Operator Training

complete processing + packaging systems

our brands



seasoning + coating



conveying + seasoning

our partners



weighing + inspection
+ packaging



metal detection



size reduction



food grade steel belt



sorting + inspection



chocolate enrobing



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Food Processing & Packaging Systems

STAND

534

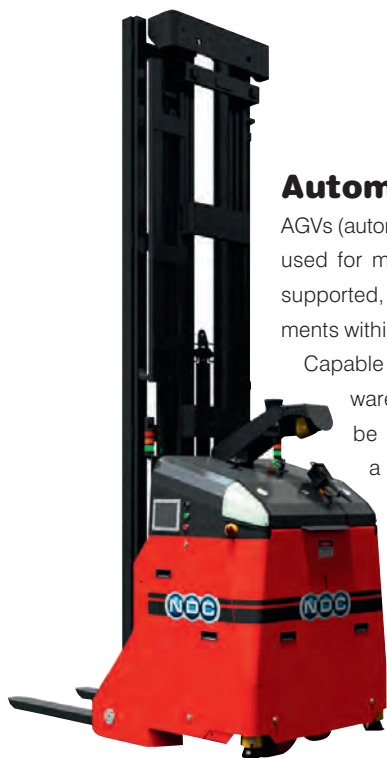
Automated unmanned forklift

AGVs (automated guided vehicles) are programmable unmanned forklifts used for moving full pallets from A to B. Locally manufactured and supported, they operate in ambient, refrigerated and frozen environments within distribution centres, warehouses and manufacturing sites.

Capable of storing over 60,000 pallet positions, the vehicles can warehouse pallets double deep up to 10.7 m and can now be used for truck loading. Laser safety scanners provide a 360° field of safety and, with the opportunity charging feature, AGVs can operate safely and efficiently at peak performance 24/7 totally unmanned.

NDC Technology Australia P/L

www.ndcta.com.au



STAND

399

Product elevator

The Prorunner mk5 product elevator from Qimarox has been widely used in packaging lines. The product offers opportunities to transport a wide range of products to the correct height.

The device offers the speed of a continuous product elevator, with a capacity of 2000 products/h. Unlike other continuous product elevators, it can feed products in and out in three directions, without the need for additional facilities.

Due to the minimal number of moving parts, and the enclosed drive system, the product offers durability. The selected drive system also generates less friction, therefore reducing energy consumption. The system is versatile, compact and flexible.

Qimarox

www.qimarox.com



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STAND

530

Centrifugal shredder

The Fam Centris 315 is a compact centrifugal shredder providing a good cut quality on a wide range of vegetables, including potato.

The cutting head assembly consists of 12 individual stationary cutting stations. Slices or shreds are produced as product passes each knife in a smooth and uninterrupted manner. Length is controlled by the input product size. The cut product is collected through the central discharge.

The interchangeable cutting heads offer flexibility in all cuts and shapes, such as flat, crinkle-cut and V-shaped slices as well as V-shaped, oval, julienne and wide ribbon-cut strips. Trials on the machine are available at the Summit Machinery Services test facilities in Kilsyth, Melbourne.

Summit Machinery Services

www.summitms.com.au



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SPECIALIST MAGNETS FOR THE FOOD AND DAIRY INDUSTRY ELIMINATE FOREIGN MATTER, PURIFY YOUR PRODUCT, PROTECT YOUR BRAND.

TARGETING

- Work-hardened 300 series stainless steel fines
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- 400 series stainless steel fines
- Contamination that evades metal detection & X-ray
- Reduced metal detector trips

The Force10 range includes magnetic separators for products ranging from powder, granular, liquid, viscous, and fragile across a range of process conditions including pneumatic transfer, gravity, high-pressure, high-temperature, high volume/bulk, and ultra-hygienic and more.

Extensive experience - Market leading equipment – World class service - Proven results

Visit us at Site 710 at Auspack Packaging and Processing Expo
Melbourne Exhibition Centre 24 – 27th March 2015
www.aurora-nz.com.



STAND

334



Robotic packaging equipment

The Adaptapack Robotic Shelf Ready Case Packer, available from Walls Machinery, can pack at speeds of up to 17 cases/min and up to 100 products/min.

The packer, which can be combined with existing case erecting/sealing equipment, can be tailored to suit various products and packaging styles, including stand-up pouches, pillow pouches, cartons, trays and bags.

Walls Machinery Pty Ltd
www.wallsmachinery.com.au



STAND

573

Automated pack-and-seal system

Confoil's Pack and Seal automated meal packaging system is suitable for organisations involved in meal preparation. The system is able to seal 5-27 meals/min and stack meals on top of each other to save space. The equipment is simple to operate, easy to clean and hygienic, being constructed from stainless steel and anodised aluminium. The trays are made from a paperboard construction and are comfortable to handle straight from the oven. They can withstand temperatures of -40 to 210°C.

The easy-peel, tamper-evident trays are suitable for consumers who appreciate the convenience of freezer to oven/microwave without the danger of burning themselves. Users can eat straight from the trays or can move the meal onto a plate or bowl. The anti-fog film lidding has a generous overhang for easy removal and is perforated so the steam can escape, making it safer to use. All trays are HACCP accredited and come in single- or multi-cavity sizes. They can be recycled.

Confoil Containers
www.confoil.com.au



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 Best Award Winner

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www.invisipac.com

Contact Glenn Tamone for more info:

0400 942 218 - glenn_tamone@graco.com

STAND

710



Magnetic separation systems

Foreign matter is an ever-increasing priority in the process industry. With tighter tolerance for foreign matter, metal detection and X-ray equipment is not a dependable final solution. Integrating the FORCE10 range of high-performance magnetic separation systems into process lines to work hand in hand with inspection equipment is a suitable solution for consumer brands.

The company's specialist magnet technicians are said to be committed to high quality and performance, along with extensive technical knowledge in the field. The team works with global food and dairy brands to ensure the magnets are high-performing, versatile, practical and safe separators in both wet and dry product applications.

The range includes separators for products ranging from powder, granular, liquid, viscous and fragile across a range of process conditions including pneumatic transfer, gravity, high pressure, high temperature, high volume/bulk, ultra-hygienic and more. The company provides close support, from initial scoping and design through to project management, commissioning and ongoing validation/certification services. It has HACCP International endorsement of several FORCE10 products and its magnet validation service.

Aurora Process Equipment

www.aurora-nz.com

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STAND

131

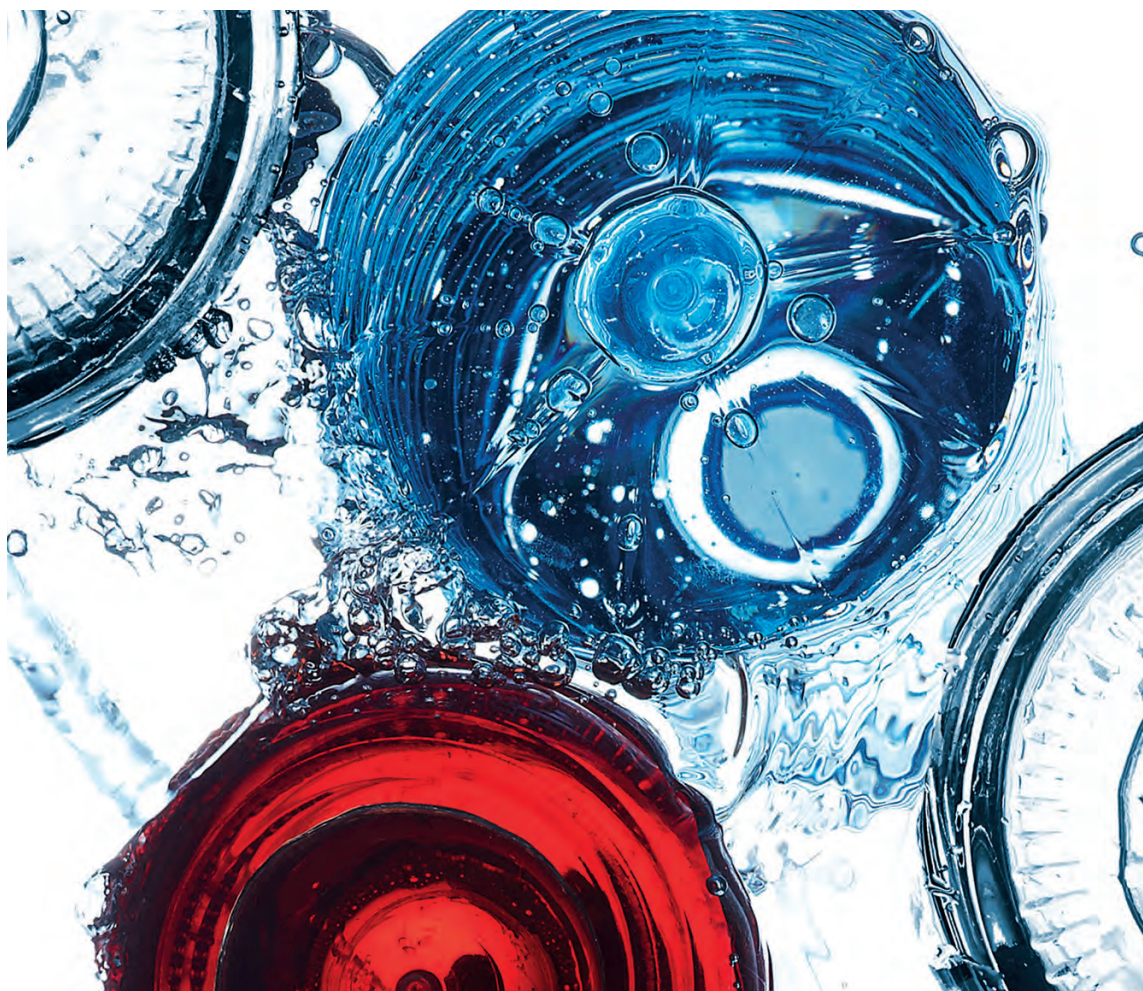
Packaging material supplier

Innpack Global is a provider of fully decorated polypropylene pails, decorated tinplate boxes and cans, and printed die-cut cartons, all in minimum order quantities shipped from the company's facilities in China. With a procurement strategy aimed at exploiting global efficiencies in production and logistics, an experienced sourcing team and a streamlined communication process at a local level, the company can provide supply options to meet users' requirements.

The company can manage all the risks associated with sourcing individual or bulk products, evaluating suppliers, negotiating pricing, validating certification, investigating management practices and reputations, formulating individual logistic plans and ensuring quality checks throughout the supply chain. Its in-house, on-the-ground local team is ready to discuss how to deliver good-quality, well-dressed packaging solutions to users.

Innpack Global

www.innpack.com/



One in four bottles worldwide

has been filled, labelled or packed on a KRONES line.

As a complete-system vendor for the beverage industry, we equip our customers with everything they need for their production operations. With across-the-board corporate commitment to in-depth expertise, we have evolved into the sector's technological leader.

AUSPACK 2015
Melbourne, 24 – 27 March
Stand 555

www.krones.com

KRONES



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STAND

744

Super strength plate magnets

Eriez Super Strength Rare Earth Plate Magnets are up to five times stronger than conventional plate magnets, providing protection against ferrous contamination to meet the strict requirements of food, pharmaceutical and packaging industry applications.

The magnets remove weakly magnetic and fine iron from dry or wet products. The separators are made with Erium 3000, a high-quality permanent magnetic power source which develops a magnetic field that has up to 25 times the magnetic pull of conventional ceramic (barium ferrite) or Alnico (aluminium-nickel-cobalt) magnet materials. The magnets can be located on the bottom of a chute or suspended over product flows. They are available in even inch magnet face width increments (eg, 203, 254 and 305 mm).

Eriez Magnetics Pty Ltd

www.eriez.com



STAND

201

Gloves

InControl's Cuff First gloves are suitable for food-service, hospitality and manufacturing organisations with high standards of food-handling hygiene and safety. The design features a system that dispenses gloves from the bottom of the box, maximising food-handling safety while cutting time.



Trials have shown that traditional glove boxes frequently become contaminated due to the constant, unavoidable touch of multiple users' hands. InControl's dispensing system means users never touch the box or the other gloves in the box. Those areas of the glove most commonly in contact with food - the fingertips and palms - are not touched either. This results in a 96% reduction in the risk of cross-contamination.

The product also reduces glove wastage by 30% because gloves are dispensed one at a time. Packaging waste and storage space are also reduced by 50%. Compact single- or triple-unit wall-mounted dispensers keep the boxes away from contaminated surfaces, while waterproof covers sit over the boxes and dispensers to protect the glove packets from water sprays and aerosols.

The range includes nitrile gloves in blue in XS to XXL sizes. They come in packs of 250 in both normal and long-cuff variants. Nitrile 50s packs will be available soon. The range is also available in vinyl, and all gloves are latex- and powder-free.

InControl

www.incontrolau.com



STAND

535

Multilayer resealable labels

Multilayer resealable labels provide space for additional product, promotional or legislative information without altering the look of the final packaged product. The label features two or three layers of material joined together with permanent adhesion at the hinge and a varnish coating, facilitating repeatable opening and reclosing of the label body.

The product is suitable for all packaging types and reduces the need for added packaging. A non-adhesive tab facilitates easy opening and the label is resealable. It enables automatic label application using standard equipment and can be customised for different shapes and sizes.

CCL Label Healthcare Australia

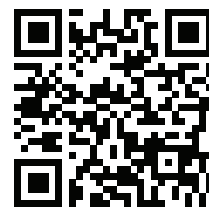
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**Chris Connors, CEO
Sunshine Sugar**

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successful centrifugals operated by AC drives. Our industry-specific portfolio ranges from automation, instrumentation, drive technology and low-voltage switchgear, to global services for the full plant life cycle.

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- Find out how Siemens technology could increase your company's productivity

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STAND

551

Two-axis vertical bagger

The Rovema BVC 260 with Premium Seal-technology, available from JL Lennard, is a two-axis vertical bagger (VFFS - vertical form fill seal) with a closed tube-frame-free housing that was developed to comply with hygiene requirements. Its 'Sense & Seal' product sampling monitors the force-closing movement subject to the position and responds to any particle inclusions while the Premium Seal technology produces up to 10^{-6} helium sealing closures, which is similar to a leakage resistance of $<0.01 \mu\text{m}$.

The machine features energy-efficient controlled drives, a control software function and smoothly running axes to save application-oriented energy.

JL Lennard Pty Ltd

www.jllennard.com.au



STAND

626

Pick and place casepacker

The Case Packing Systems model CLP is a flexible and compact pick and place casepacking machine. The system loads products into crates, cases or cardboard open top trays automatically.

Because product buffering does not take place, the CLP is suitable to handle a variety of different products which can be rigid, semi-rigid or flexible.

The infeed system is capable of turning or not turning

products, which offers a variety of packing patterns. The pick-up head gently grasps the products, the retracting conveyor under the products opens and the head places a complete layer of products in the case, crate or tray with a downward movement. The CLP is suitable to pack MAP/overwrapped trays, vacuum packs, flow-wrapped packs, punnets, clam shells, tubs, inner cartons and larger flexible bags, and can be used with products such as meat, ready meals, fruits and vegetables, dairy, convenience foods and dried fruits and nuts. The CLP offers automatic changeovers between different products and packing formats, via the touch screen.

CPS Australia

www.casepacker.com

STAND

338

Tray sealing machine

The Revolution, manufactured by Packaging Automation UK and available from MPI Australia, is a single-lane tray sealing machine that is capable of speeds of up to 150 packs/min. The machine technology incorporates interpolated multi-axis robotic motion, which ensures a continuous flow of trays through the machine from infeed to outfeed, eliminating the need for pauses or buffering.

The machine is fully electric and operates without any compressed air, offering savings of up to 98% of the running costs of conventional pneumatically operated tray sealers, according to the company. Its tooling technology can increase the seal force by up to 300% compared to pneumatic systems.

A smoother profile of the tray transfer into the machine allows fluid- or liquid-based products to be transferred without spilling at high speed. Other features include automatic recipe-driven adjustment for printed film when changing products and RFID operator access fobs where factory security of machine settings and parameters is required.

The modified atmosphere packaging technology can achieve the required gas levels through flushing instead of vacuum gas flushing.

MPI Australia Pty Ltd

www.mpiaust.com.au



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STAND

374

Multidirectional roller top belt

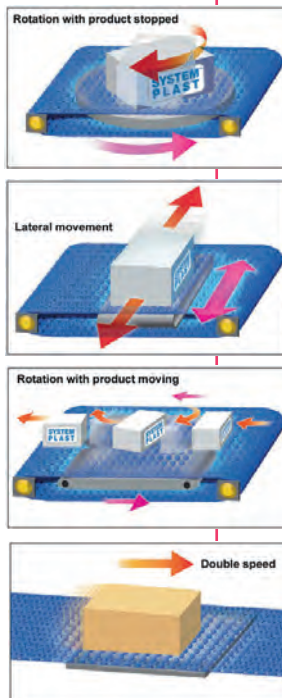
The 2253 RT is a 25.4 mm-pitch, 8.7 mm-thick modular plastic belt with widths in 76 mm increments. It is designed for products with flat-bottom surfaces, such as boxes, trays or stacks of cardboard.

The design of the belt allows products to move in any direction, giving users extensive flexibility in orienting their products. Speeding up, opening gaps and slowing down to close gaps are some of the possibilities with the roller top belt.

Features include double speed, rotation with product moving, rotation with product stopped and lateral movement, providing a touch-less conveying solution. Product positioning can be accomplished smoothly and effortlessly.

The modules are made of LFB blue acetals, offering high belt strength in combination with low friction. The balls are made of tough and wear-resistant polyamide load 800 kg/m².

Dotmar EPP Pty Ltd
www.dotmar.com.au



STAND

420



Palletising robots for low temperatures

KUKA Robotics Australia has launched the KR QUANTEC PA Arctic, a cold-resistant adaptation of its standard palletising robot. Designed to operate at temperatures down to -30°C, the robot is suitable for the food sector.

It does not require a specially designed protective suit for cold environments, no downtime is required for exchange work, no special heating is needed in the robot arm and the large work envelope is not restricted by additional wrapping.

With a reach of 3195 mm, the palletising robot offers short cycle times, high flexibility and precision in stacking and setting down. The robot is available in three payload variants: 120, 180 and 240 kg.

KUKA Robotics Australia Pty Ltd
www.kuka.com.au



STAND

371

Fluid transport containers

ProFill fluid transfer containers ensure accurate, contamination-free transfer and dispensing of critical oils and fluids.

The containers are designed to make fluid top-offs safer, faster and easier. The oil cans are colour coded for ease of fluid identification, while the drums are square shaped for space-efficient storage.

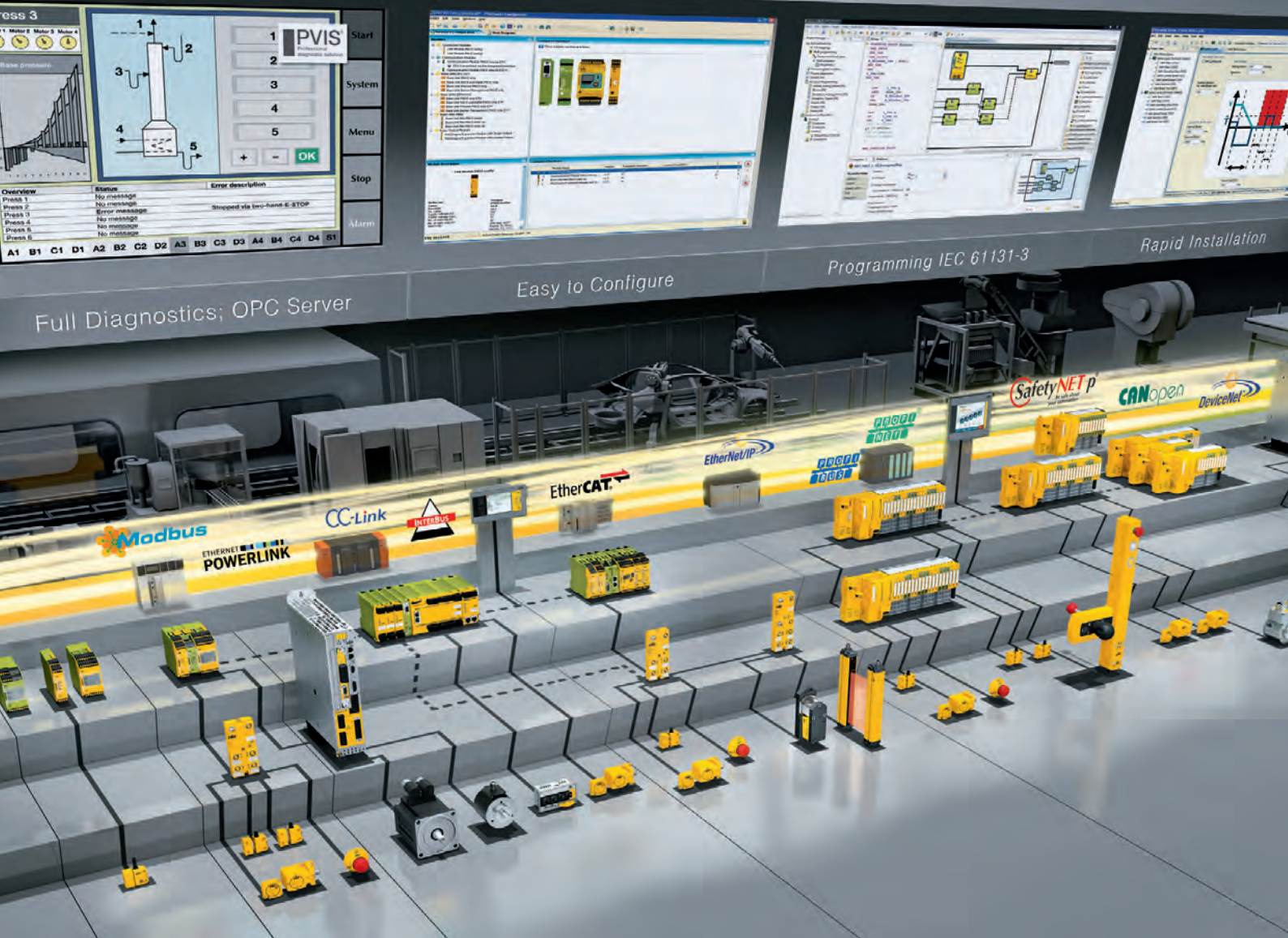
Manufactured from high-density polyethylene (HDPE) with UV and static inhibitors, the drums are designed to withstand the daily rigours of industrial environments. They will create order and decrease the risk of system contamination in any heavy industrial plant where lubes and oils are used.

Lids come with the following: nitrile O-rings; 1" quick fill port; twist-open nozzles (available in three sizes); accessory port with 1/2" and 3/8" NPT female threads; light switch-style breather vent at thumb position; and clear plastic handle covers that hold colour-coding tags. The products are available in spout or pump form and container sizes of 2, 5 or 10 L.

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STAND

521

Thermal inkjet printers

The POLYtij range of industrial thermal printers offers a range of features, including printing with one or two print heads; online and offline printing; and even the ability to print on even and uneven surfaces. Users can now achieve non-porous applications previously not thought possible with thermal inkjet technology.

The units include a 7" touch screen with up to two print heads giving 25 mm print height. They are able to print barcodes, letters, numbers, logos, date/time, expiry date and shift code at print speeds of up to 60 m/min.

The printers feature Smart Ink technology and self-contained, replaceable ink cartridges. Various models are available.

Fallsdell Machinery Pty Ltd

www.fallsdell.com.au

STAND

622

Industrial doors

Premier Plastics has begun trading as Premier Door Systems. The company offers a range of commercial and industrial doors, including PremFLEX shop curtains, industrial PVC strip doors, PVC swing doors, high-impact thermal traffic doors and high-speed rapid auto-roll doors. The range also includes the Dorteck Hygienic Door System.

Premier is a licensed Efaflex agent, providing the company with the capability to import and install high-speed automatic doors direct from German manufacturer Efaflex.

Premier Door Systems Pty Ltd

www.premierdoors.com.au

STAND

735

Non-destructive package integrity testing systems

SealTick offers non-destructive leak testers that allow tested and passed samples to go back to the shelf for sale.

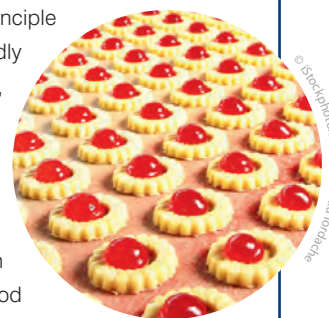
The SealTick TSE608x Series provide quantitative testing results, featuring stain steel housing, good repeatability and data traceability with high sensitivity (10 μ) to ensure the accuracy of the testing. The leak testers are easy to operate and also widely adapted by major food and pharmaceutical manufacturers around the world in their quality assurance processes.

Designed and made in Australia, SealTick Leak Testers are suitable for flexible package leak testing. They can be used to detect whether food and pharmaceutical packages are properly sealed in order to ensure quality standards are maintained during packaging development, machine set-up and operation on a product assembly line.

The testing equipment works on the principle of vacuum decay. A testing package is rapidly placed under a vacuum, and then isolated, so that any leaks allow a return towards atmospheric pressure. The TSE Series are suitable for testing product packages of milk powder, sausage skins, snack foods, salads, biscuits, bottle caps, sandwich packs, animal food, pharmaceuticals, blood bags, medical bandages, syringes, MAP packs, cans and more.

Bestech Australia Pty Ltd

www.bestech.com.au



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Dry line packaging system

To keep up with the requirements of a modern distribution network, an efficient system for the dry part of the line needs to be able to react quickly to changes in packing rhythms, formats and patterns, with multiple changeovers every day. VersaBloc is a comprehensive packaging solution that includes the machine technology of the VersaFilm and EvoFlex systems; the integration/engineering expertise of Gebo Cermex; and all end-of-line operations offering optimal performance, flexibility and TCO.



The combination of the innovative systems and the company's integration expertise results in a high-performance, ergonomically designed, end-of-line system incorporating both overwrapping and palletising functions. The product offers good energy efficiency and is said to slash TCO costs by as much as 8%.

Gebo Cermex

www.gebocermex.com

STAND
643



STAND
242

Networking interface

Sick Flexi Line is an interface for the safe networking of up to 32 Flexi Soft stations, making it possible to map modular machine structures in a consistent and efficient way - at a distance of up to 1000 m between two stations.

Configuration requires the process image - with a data width of up to 96-bit - to be defined only once for the entire system. Information is either shared with neighbouring stations only or transmitted to the entire system. This division makes communication more efficient and shortens response times. The communication works without addressing using 'neighbourhood detection'.

The interface is suitable for a number of applications, including modular machine concepts, systems covering a large area, packaging and electronics industries, storage and conveyor systems and machine construction.

SICK Pty Ltd

www.sick.com.au





Look what we have for you!

The new generation PN sensors have a new modern design. Newly improved with an increased display size and the two switching status LED's on the sensor head which can be clearly seen from all sides.

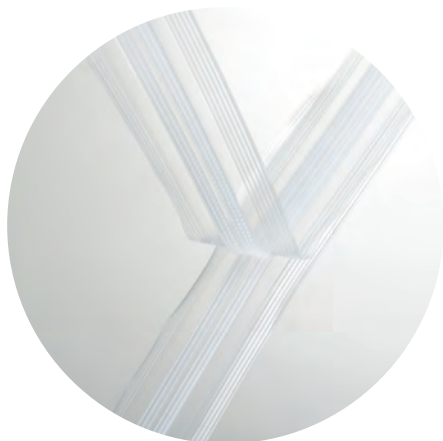
The new PN sensors now incorporate a two colour display that can be utilized to display condition ie; green is good, red is in alarm.

High overload protection, IP 67 and 316 wetted parts make the PN sensors the perfect partner in harsh environments.



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STAND

630

Consumer-centric resealable solutions

ITW- Zip-Pak has released a range of consumer-centric resealable solutions particularly suited to the Australian and New Zealand food markets and consumers.

Fragrance-Zip is a zipper closure designed to emit a customised aroma on initial and subsequent openings of flexible resealable packages. The scent is embedded in the reclosure during the manufacturing process. Working closely with several fragrance companies, Zip-Pak can duplicate virtually any desired aroma, enabling a package to replicate a desired scent whenever opened.

The ergonomically designed Slider Select enables consumers to repeatedly and reliably open and close

a flexible package. Its leak-resistant profile delivers improved processing and manufacturing efficiencies. Advantages include: high inside-burst strength that protects the product; a slider that glides smoothly across the zipper profile; a cost-effective, reduced mass zipper and slider system.

A self-mating resealable closure, Vector is an easy-to-use alternative to traditional zipper profiles. The matrix pattern is easy to align and has good air-seal capabilities. Vector delivers a vivid tactile response, assuring consumers of a tight seal on opening and closing.

ITW Zip-Pak Pty Ltd

www.zippak.com



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STAND

132

Clarifying agent for polypropylene

Milliken's Millad NX 8000

clarifying agent for polypropylene (PP) increases the aesthetics of PP materials, allowing even thicker parts to approach the clarity of glass or amorphous polymers.

The clarifier can be used in a wide range of processing methods, including injection moulding, blow moulding and thermoforming, and is available in both masterbatch and powder forms.

Clarifying technology is expanding the use of ultraclear PP in thermoformed food and beverage packaging compared with traditional polyethylene terephthalate (PET) and polystyrene (PS). Ultraclear PP provides high performance in thermoformed applications as a significantly lighter, less expensive, highly recyclable and more environmentally responsible solution than PET and PS for the food and beverage packaging sector.

The agent enables an average of 10% energy savings for production of clarified PP parts and the clarified PP materials have the lowest density and produce the lowest carbon dioxide (CO₂) emissions when compared to PET and PS.

Milliken Chemical

www.millikenchemical.com



STAND

296



Vacuum pumps

Oerlikon Leybold SOGEVAC FP vacuum pumps are designed to suit the food and packaging industry. Developed from the same principle behind a high-quality rotary vane vacuum pump, the product comes with many useful features.

The environmentally friendly pump is easy to maintain, operate and control. The HYRO range features high water-vapour tolerance, which is adjustable. The product additionally benefits from the reliability of lubrication.

Typical applications include: food and packaging (bulk, chamber, modified atmosphere, thermoforming, tray sealers); food processing (massagers, marinaters, tumblers, blenders); bottling; freeze drying; vacuum cooling; and specified risk material conveying.

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FLUID CONTROL SYSTEMS

STAND

364



Inspection systems

Inspection systems cover a wide range of industries that rely on the detection of harmful contaminant materials in food processing and packaging lines, including X-ray inspection, checkweighers, optical sorting equipment and metal detection systems. Heat and Control is a provider of CEIA metal detectors, Ishida checkweighers and Ishida X-ray systems, plus demonstrations, service, parts and training. As a manufacturer and supplier of food processing and packaging equipment, the company has the experience and resources to provide a single machine or combination system with conveyors and rejecters designed for the user's operations. The latest inspection technology from Ishida and CEIA is backed by ongoing technical support from Heat and Control.

For food and pharmaceutical products, CEIA THS 21 metal detectors continuously self-calibrate to maintain peak detection stability and sensitivity to all metal contaminants. Auto-learn set-up is simple and eliminates errors. Bluetooth connectivity facilitates programming and troubleshooting using a laptop computer.

Ishida X-ray systems combine the capabilities of a checkweigher and metal detector with the ability to detect ultra-small non-metallic contaminants, such as bone, glass, shell and plastic. They can also verify weight and missing or defective product. Ishida offers X-ray inspection for every application and budget: from entry-level, to IP69K washdown, to systems for large cartons.

Ishida checkweighers promote quality control and user satisfaction with accurate verification of package weight or product count, or detection of missing components. Available for dry, washdown and multilane applications, the checkweighers are compact and easy to clean. They can be combined with a CEIA metal detector for multipurpose inspection that saves floor space.

Heat and Control Pty Ltd
www.heatandcontrol.com

STAND

641



Modular VEE design system

J Schmalz's system for the modular design of vacuum end effectors (VEE) comprises different individual parts which can be combined using configuration software to form an individual gripper.

The company claims that the system, which is available from Millsom Materials Handling, can save time and money when constructing a gripper for packaging machines when compared to conventional design and manufacture.

All elements of the modular VEE system are made of FDA and BfR-compliant polyphenylsulfone (PPSU). The surfaces of the elements are easy to clean and are resistant to alkaline cleaning agents. They are suitable for both the packaging and food processing industries.

Millsom Materials Handling
www.millsom.com.au



Tray sealer

Xpeed 1, a compact tray sealer by Gruppo Fabbri, is suitable for packing fresh foods with lid trays and film.

Based on the Xpeed 5 platform, the product shares the main structural and operational features of the flagship version, bringing innovations in tray in-feed, gas consumption, flexibility and format change. It is said to be the only tray sealer in its segment with both double- and single-line in-feed.

Made of stainless steel for maximum durability in harsh environments, the tray sealer is suitable for applications in: vacuum gas for protective atmosphere for medium and long term with minimal levels of residual oxygen; gas flushing to obtain a protective atmosphere for short and medium term; skin configuration; versions with protruding product; single tray closure with film lid.

Rollex Australia Pty Ltd
www.rollex.com.au

STAND

333





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Vacuum packaging machine

The TY-760B double-chamber vacuum packaging machine is suitable for heavy-duty users.

With a water-resistant body and 5 mm-thick chamber lid, the machine is durable and stable. A sealing temperature control system, computer connection via an RS232 interface, gas flushing, sensor control and soft air devices are available and other specifications are available on request.

For a stable sealing status, the sealing temperature control system can set up the sealing temperature to a fixed value for sealing without vacuum loss. This ensures goods are strongly sealed in the vacuum bags, even if they have different thicknesses. Connecting with a computer via the RS232 interface will reduce human error during manual operation and increase operational efficiency.

The double-chamber vacuum packaging machines can be used in areas of the food industry such as seafood, cheese, meat, ready-meal, etc. Food which is packed by vacuum packaging machine will keep its freshness without loss of weight and remain delicious. The product can also save space and extend shelf life.

Features include: machine body totally built in 304 stainless steel; Busch pump; digital control panel; low vacuum leakage; long-lasting electronic parts; flat chamber bed with no corners and no edges; emergency stop device. The product is easy to operate.

Taiwan Yizuo Co Ltd

www.taiwantrade.com.tw/EP/YIZUO



Bag discharge, dump and screening

Daxner's bag dump station - equipped with a removable top - serves as an intake station for powders and granular materials and can be fed out of bags and big bags.

The bag can be lifted up by the electric hoist and positioned along the hoist-track and when positioned just above the docking system the big-bag out-feed hose is slipped over the inner connection socket and can be started.

Dust generation is prevented by both a special sealing and dust collection of the space between the inner and outer connection socket. Optional bag massagers or vibro-discharge cones aid discharge for products that have poor flow characteristics.

Daxner's control screening machine Vib & Press offers an innovative processing technology for the gentle and fine screening of sensitive, slightly clumpy or fatty products. The Vib & Press Combi can be directly fed with big bags besides bag intake.

During the screening process two processes engage with one another: parallel to the screening, which is executed by a vibrating screen (VIB), the product is pressed through the screen (Press) by a slowly rotating stirring discharger. Even if small mesh widths are used, the screen will remain free of residue and will be simultaneously cleaned due to the vibrations. Lumps and agglomerations are hence gently reduced.

For the discharge of products with poor flow characteristics, an efficient big-bag discharge system has been developed with sturdy, special arranged massagers.

Four paddles press on the big bag and induce the continuous discharge. The manual double-walled system enables the big bag connection. A hose filter with radial ventilator ensures a dust-free environment.

Daxner Asia-Pacific

www.daxner-international.com



Food-grade lubricants

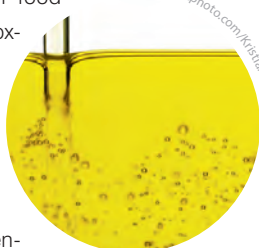
Components such as line lubricators, slide and roller bearings, chains, compressors, vacuum pumps, gearing, heat transfer systems, hydraulics and pumps are commonplace in food production plants. Many of these are found in close proximity to the foodstuffs, often with a high potential for any leaking lubricants to make incidental food contact.

Fuchs has developed the CASSIDA range of food-grade lubricants. The lubricants, which include gear oils, hydraulic oils, lubricating greases and maintenance aerosols, are designed for use on machinery where incidental contact between food substance and lubricant may occur.

The company can also assist with Hazard Analysis and Critical Control Points (HACCP) surveys, making it possible to identify lubrication points where there is a risk of contamination, leaving manufacturers with action points on how to minimise the risks and advice on the correct lubricant to use.

Fuchs Lubricants

www.fuchs.com.au





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STAND

263

VFFS machine

The BG Pack Vetta is a vertical form fill seal (VFFS) machine that can produce multiple, innovative, easy-to-open packs.

Featuring fast changeover times, the machine structure has been designed to be ergonomic and compact. The product can be configured to produce the following packs: pillow bag; stand-up bag; stand-up bag and zip; easy pack and tape; standard block bottom bag; block bottom bag and four vertical seals; flex can and tape.

The unit is equipped with two brushless motors controlled by PLC and a touch-screen panel for control of all parameters. Its software is designed to provide the operator with a simple, logical interface.

The machine is constructed to international regulations and is easily accessible for maintenance and cleaning. It achieves high production standards resulting in packs with hermetic seals.

Emrich Industries Pty Ltd
www.emrich.com.au



STAND

632

Chocolate enrobing and tempering equipment

The Lothar A. Wolf Spezialmaschinen product range includes chocolate tempering machines, chocolate enrobers, belt coaters (panning), chocolate decorating equipment, nut kernelling equipment and a pre-used confectionery equipment program.

The chocolate tempering machines are fully automatic and self-contained. With a capacity from 5 to 750 kg/h, they offer full control and consistent chocolate temper.

The chocolate enrobers range in size from 200 to 800 mm operating width, with the smaller ones (up to 420 mm) being a combination unit with a tempering machine. The chocolate decorating equipment, generally used in conjunction with enrobing, offers product identification markings.

The chocolate belt coaters are fully automatic systems with 600 to 2000 mm widths. The nut kernelling equipment cuts nuts into slithers or cubes with minimal dusting, and the pre-used chocolate and confectionery equipment is offered up to a fully rebuilt condition.

ChocCreator
www.choccreator.com.au

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Ultra is a hose that is smoothbore inside and convoluted outside,

giving flexibility, full flow and kink resistance. The liner is available in natural or fully carbon impregnated antistatic. End fittings can be supplied fully lined using the hose liner or unlined where product contact with the fitting is non-critical. Externally the hose can be supplied with a variety of braids packages including stainless steel, polymer braid and materials such as hastelloy. An outer cover of EPDM or silicone rubber can then be added.

The hose, which is available from PharmEquip, comes with a full certification package including USP class VI, FDA approved materials, ATEX and CE marking, and is manufactured to BS EN ISO 9001 and TS16949.

PharmEquip Pty Ltd

www.sterileprocesscomponents.com

STAND
304

Label and label-printer applicators

Weber labelling systems are designed to fit seamlessly into an existing packaging line. The company offers a complete line of automatic label and label-printer applicators that rapidly apply pre-printed pressure-sensitive labels to all types of products and packages.



Each model is designed to address specific labelling requirements, so it will suit every application and budget. It can automatically print and apply labels to a variety of surfaces, with high-speed application rates programmable up to 15,240 linear cm of label web/min. The unit features stepper-motor or servo-motor technology and peel-tip sensing, as well as gentle-contact (wipe-on) or non-contact (tamp-blow or air-blow) methods of application to sides, tops, bottoms or corners. The system features good placement accuracy, easy maintenance and unsupervised operation functions.

Weber distributor Peacock Bros can install a custom integrated system into a supply chain and set up the label application configuration, labelling software and operator interface to suit the user's specific business needs. The company provides full after-sales support and service.

Peacock Bros Pty Ltd

www.peacocks.com.au

STAND
366



The radar sensor for bulk solids

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The most modern radar level technology and a frequency range of 79 GHz has made the new VEGAPULS 69 radar the sensor of choice for bulk solids industries. This sensor is capable of measuring poorly reflecting bulk solids over long ranges, in narrow, or even segmented vessels.

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www.vega.com/vegapuls69

Looking Forward **VEGA**

STAND
339

Sack tip station

The Sievmaster Easilift sack tip station provides a simple means of introducing sack products and check sieving them into a system. The sack tip and sieve are large enough to take a 25 kg sack lengthwise for ease of cutting and handling.



The flip-top powered lid enables ease of opening of the sack tip for access to the screen and cleaning. The sieve unit below has a self-cleaning silicone diaphragm to give a dust-tight closure. The whole unit is ergonomically designed for satisfaction in operation.

The outlet of the station may be connected to mechanical and pneumatic conveyor systems, or simply connected to a mixer inlet or other process equipment. Other features include no-tool quick change of screens and an easy-clean design with no crevices.

The product is suitable for flour, sugar, spices, cosmetics, seeds and almost any powder or granulated material.

Kockums Bulk Systems

www.kockumsbulk.com.au



STAND
646

Torque tester

The Vortex-xt is a versatile touch screen-controlled torque tester which brings quality control measurement straight to the point of manufacture. The machine's simple set-up means manufacturers can test clockwise and counter-clockwise torques of packaging components, such as the application and release torque of screw closures, with merely two clicks of the touch screen interface. With colour-coded results, the large, clear display enables easy identification of pass/fail sample conformance.

The product is designed to make routine measurements quick while still providing users with detailed results, as well as reporting capabilities if required. Users have the choice of viewing a graphical 'live' display of the test for observational purposes or multiple test results in tabulated form, to begin making comparisons and, subsequently, to evaluate them in more depth with a choice of calculations.

Up to five frequently used tests can be stored for quick access and initiation by different users, without the need for a high level of technical or test application knowledge. Password protection allows 'administrators' to alter test set-up and template design, thereby avoiding any accidental changes to programmable functions.

The product ensures user-friendly performance for production staff with minimal set-up time and training requirements. The motorised torque tester can also be programmed for those occasions where special one-off test routines are needed.

SI Instruments

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Case coders

The core integrated heads, for inc.jet's industrial printing solutions, feature a rugged design, solid connections to external elements and fine print heads, all provided in a commercial off-the-shelf system.

The integrated heads are enclosed in an industrialised stainless steel casing for maximum protection. Seamlessly included in the housing are a print controller and a bulk ink system. The integrated head has connections for encoders, stack lights and an internal or external sensor, as well as an ethernet port for connecting to an inc.jet user interface or even external data sources.

The system comes complete with a 2" print head, an accessory kit (sensor, encoder and stack light), 15-user interface (with design and management software), industrial stand and bulk ink system. Applications include food and beverage print on tray packs, barcodes and human readables; and food and beverage case coding.

Features include: no mess and no maintenance; a rugged industrial design for demanding installations; variable and fixed data capability; SQL database connectivity; a simple

ASCII interface to supply dynamic data from scanners and PLCs; and online/offline job creation.

Advanced Machine Technology

www.amtsystems.com.au

STAND
668

IBC blender

Matcon specialises in providing lean powder handling solutions using intermediate bulk container (IBC) technology. Its users have adopted lean solutions through keeping production efficiency and flexibility high while minimising any scrap or waste, thereby reducing the cost per kilogram of finished product.

The Matcon IBC Blender has high overall equipment effectiveness (OEE). Mixing of ingredients takes place directly within IBCs and, because they are filled, discharged and washed 'offline', the blender can be used for batch after batch without stopping for product changeover or cleaning.

To improve the performance of IBC blending and make it more versatile, the company offers a high shear blending capability with a supplementary intensifier. This is suitable for the bakery sector, with its single-stage blending enabling a reduced cycle time and improving productivity.

Within other food sectors, the product enables the handling of sticky powders or liquid additions. Furthermore, it means that a homogenous mix can be achieved when blending the smallest of ingredient inclusions - often less than 0.1%.

Matcon Pacific Pty Ltd

www.matconibc.com

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Eriez offers a broad range of magnetic separators for the food processing industry, ranging from simple magnetic grates to powerful high-intensity magnetic filters for the ultimate in product purity.

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STAND

329

Carton machine range

Paksmart Machinery's PC40 carton machine range has gone through a comprehensive machine specification upgrade.

The small footprint of the original machine has been retained, along with the top-to-bottom guard doors for easy machine access and cleaning. The latest features increase the available carton size range, adding more automation to assist carton size change and revised component design to enhance cleaning.

The product provides a three-dimensional size change in less than 15 min. The recipe-based servo adjustment of carton flights is not only fast but also accurate. The minimum carton depth is now down to less than 110 mm for the standard machine. The colour screen has meanwhile been enlarged to indicate machine status, guard door status and recipe-based assisted size change. Standard equipment now includes hand crank adjustments with scaled readouts of carton depth and overhead rails, as well as glue guns. These settings are stored in the machine program for display on the colour screen to assist the operator during size change.

The carton machine range is suitable for use in the food, pharmaceutical and contract packing industry, where it erects cartons, loads product and seals the carton closed for high-quality presentation.

Paksmart Machinery

www.paksmart.com.au



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Checkweighing bench scale

A&D Weighing has launched an NMI trade-approved checkweighing bench scale suitable for high-speed weighing and packing. The innovations of the SJ-WP Series ensure efficiency in both sanitary management and weight measurement.

An externally mounted load cell/weight sensor seals for watertightness without compromising the weighing speed and stability, due to up and down movement of the load cell changing the air pressure inside. As a result, the stabilisation of the series can be as fast as 0.5 s. The stainless steel weighing pan surface is resistant to scratches and wear, and is easy to keep disinfected.

The load cell incorporates a stopper and requires no external components for overload protection. The area around the load cell is therefore unobstructed and easy to keep free from debris. Besides using water from a hose, it is possible to soak the scale directly in water with pH-neutral detergent for thorough washing.

The large-sized characters make the weight values easy to read, even in dimly lit areas. Bright and multicoloured five-step LED comparator lights help the operator judge the results of checkweighing instantly. Comparisons can be made in three, five or seven levels, with no light indicating either end of the continuum.

The scale can perform tare automatically when the weight reaches the set target range and the comparator also functions in negative values. By using this and the auto-tare function together, the user can perform 'take-away' checkweighing. The series can handle weights up to 30 kg with a fine accuracy of 0.1 g. Based on regular use of 8 h a day, five days a week, a single set of batteries will last approx. 5000 h - approx. 2.5 years. Other features include: selectable weighing; touch-sensitive, capacitive keys covered with hard plastic; auto power-off function; multiple weighing units; and a counting function to calculate and display the number of pieces based on their individual unit weight.

A&D Australasia Pty Ltd
www.andaustralasia.com.au



STAND
149



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Hot air bag sealer

The Saxon SH-1000 Hot Air Bag Sealer is a compact and mobile pedestal-mounted continuous motion sealer designed for sealing many types of open-mouth plastic bag materials.

The machine features a stainless steel enclosure mounted to an electronic height-adjustable column designed to be used in a wide range of industries including meat and poultry, fertilisers, food powders, flour, grain and the pharmaceutical and chemical sectors. The Saxon SH-1000 uses the principle of heat transfer by convection. Ambient air is transmitted to specially designed heating capsules where it is passed over a heating cartridge which heats the air close to the bag mouth. This hot air is then blown onto the bag to promote the sealing process.

This latest-generation hot air sealer presents advanced bag-sealing technology, featuring PID temperature control, innovative direct drive and an enhanced airflow design. The high-efficiency heat transfer system can be used to seal thicker bags of polyethylene, coated, laminated or even complex bags with a polyethylene inner liner.

Allpack Packaging Technologies
www.wabagclosing.com.au

STAND
228

AND
A&D Weighing

1800 241 434
sales@andweighing.com.au
www.ANDweighing.com.au

STAND

444

Coffee pod cartoning machine

Traditionally, coffee pods were imported into Australia and resold to the local supplier. With huge increase in market demand for coffee pods, which has outstripped the ability to import, a local packaging manufacturer was needed.

HMPS has designed the HMPS8000 - a carton erector and robotic pick-and-place system that enables suppliers to carton and case pack locally. The highly flexible solution was initially manufactured for 120 pods/min and increased to 360 pods/min.

The automation packaging solution has been the start of HMPS's move into inner carton packaging automation, providing automation packaging solutions for pods, pouches and sachets.

Hot Melt Packing Systems

www.hmps.com.au



© (stockphoto.com/Dieter Spears)

STAND

610

Tank-free hot melt adhesive delivery system

The Graco InvisiPac is a tank-free hot melt adhesive delivery system. The system, which is available from Phillro Industries, reaches operating temperature in less than 10 min and will work with low-cost adhesives. A vacuum system feeds pellets to an



inline melt chamber, with the pellets automatically added as needed. The system sends a continuous flow of adhesive through production, significantly reducing the time adhesive spends at high temperature. The tank-free design means the adhesive spends less time at high temperature, significantly reducing char and its negative side effects.

Graco

www.graco.com.au

STAND

727

Biofilm detection in real time

Biofilms are caused by dangerous bacteria including *Listeria*, *Salmonella*, *E. coli* and *Staphylococcus*. The presence of biofilms on surfaces within food and beverage processing areas is a serious potential cause of contamination of the final product.

Biofilms are invisible to the naked eye, but now they can be detected quickly and efficiently. Itram Higiene has developed BioFinder, a solution for the detection of biofilms in open surfaces and an effective tool for hygiene monitoring. The biofilm detection spray visually reacts in the presence of biofilms on surfaces. Results can be seen in seconds and it is not possible to have a false positive from any inert organic matter - only pathogenic biofilm, making detection of dangerous biofilm easy.

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STAND

417

Flat bottom pouch

Foster Packaging has developed the Flat Bottom Pouch, combining the features of the Quad Seal Bag and the Self Standing Pouch.

Its box-like appearance reduces the cost of storage and transportation, while the robust lamination provides the rigidity necessary for the self-standing appearance that presents well on the shelf.

The pouch allows for a variety of special features including resealable zippers and laser scoring 'easy-tear' openings.

Foster Packaging Pty Ltd
www.fosterpackaging.com



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STAND

740



Real-time monitoring of production lines

LineView monitors an entire production process in real time, identifying the area of loss to enable users to make effective, data-backed decisions. All data is stored centrally and is available on every PC in a factory.

The web-based software, which is available from Workflow, has high-resolution automated capture and trending of PLC fault codes, and the 'True Causal Loss' logic ensures that all downtime and productivity loss on each machine is correctly allocated, enabling the user to see their effect on the overall line.

Other features include: a visual overview of the entire factory; real-time 6 Loss Analysis on bottleneck machine; automatic data capture including uptime, downtime, OEE, rejects, planned stops, PLC fault codes; live machine trending and efficiency figures for every machine; user-configurable screens and reports; in-built tactical review process.

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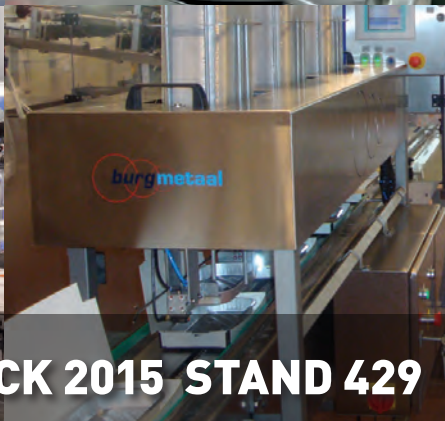


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STAND

735

Leak testers for flexible packaging

SealTick leak testers for flexible packaging are designed to detect if food and pharmaceutical packages are properly sealed in order to ensure quality standards are maintained during packaging development, machine set-up and operation on a product assembly line. The leak testing equipment works on the principle of vacuum decay. A testing package is rapidly placed under a vacuum and then isolated, so that any leaks allow a return towards atmospheric pressure.

The SealTick TSE Series are suitable for testing product packages of milk powder, sausage skins, snack foods, salads, biscuits, bottle caps, sandwich packs, animal food, pharmaceuticals, blood bags, medical bandages, syringes, MAP packs, cans and more. A wide range of package types is adapted (pillow, gusset, metal and air-impervious cardboard cans) while featuring advantages such as non-destructive testing, high sensitivity, submersible testing to locate leaks and flexible custom designs.

Bestech Australia Pty Ltd
www.bestech.com.au



Tray-sealing machine

Mecapack has released the O² 2500 FLEX tray-sealing machine. The small-footprint, compact-design machine is suitable for users with small to medium production runs and multiple format changes throughout the course of their production day. Up to four different die sets can be mounted onto the machine, allowing operators to make complete format changeovers to a new tray size in less than 5 min. This removes the problem of storage and possible damage to dies sets. With a completely washable free-draining body and stainless steel construction allowing easy access for format changes and cleaning, the machine offers a combination of compact footprint, hygienic design and efficiency.

The product utilises an IP65 colour touch screen, brushless motor technology, commercially available electronics and an integrated vacuum pump if desired. Optional Plexiglass guarding allows the operator easy visual access to the tooling/sealing area for monitoring of the machine operation. Programming is easy, with an intuitive touch screen for all settings and parameters. An on-screen assistance tool ensures changeovers are a simple step-by-step procedure.

Available in configurations for speeds up to 15 cycles/min (sealing) and 12 cycles/min (vacuum and gas), typical production rates of up to 30 packs/min are achievable on two pocket dies sets. The machine can work with the following sealing processes: standard/laminate films; shrink films; aluminium/foil films; inside cut; Skinfresh vacuum skin packing (VSP) where the film is totally sealed around the product; and Sliceapak.

Linco Food Systems
www.linco.com.au



STAND

251

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STAND

738



Bionic kangaroo

Festo's BionicKangaroo, a project of the company's Bionic Learning Network, has been inspired by nature delivering impulses for production and automation. The company has technologically reproduced the way a kangaroo moves, with the model recovering energy when jumping, storing it and efficiently using it for the next jump. With the artificial kangaroo, Festo shows how pneumatic and electric drive technologies are combined in a highly dynamic system. The kangaroo achieves its high jumping power with the aid of pneumatics. Pneumatic actuators are generally powerful and highly dynamic. They are comparatively light and pliable, which means they also act as shock absorbers for the kangaroo on landing.

In the places where the highest positioning accuracy is called for, electric motors are used - eg, when it comes to controlling the tail and hip. The consistent lightweight construction facilitates the jumping behaviour. The system is controlled by gestures by means of a special armband that registers the muscular activity of the operator. The artificial animal weighs 7 g, has a height of 1 m and can jump up to 40 cm high and up to a distance of 80 cm.

The kangaroo demonstrates several aspects of integrated automation. For Festo, the principle of permanent diagnostics is a guarantee of operational safety and process stability, whether on bionic objects or in an everyday industrial environment.

Festo Pty Ltd

www.festo.com.au

STAND

530



Baton/stick cutter for vegetables

The Tenrit baton/stick cutter is a double-chamber, pneumatic-operated, benchtop model designed to suit large kitchens and small to medium food processors.

Made in Germany from stainless steel and food-grade plastics, the product features interchangeable knife grids for different sized cuts. It is suitable for carrots, cucumber, zucchini, potato, etc. The machine can be trialled at the Summit Machinery Services test kitchen in Kilsyth, Melbourne.

Summit Machinery Services

www.summitms.com.au

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6 kg checkweighing system

A&D Weighing has expanded its EZI-Check checkweighing range with a 6 kg-capacity inline system. Designed from the ground up, utilising A&D's specialty in high-speed, analog-to-digital conversion, the system can weigh 145 (up to 6 kg) products/min with 0.5 g precision. Inherently, checkweighers produce many noise and vibration variables, requiring complex filtering and heavy mechanical design. However, the

company's high-speed DSP technology allows all variables to be viewed in virtual slow motion, enabling the checkweigher to intuitively isolate dynamic weight data to provide accurate weighing measurement.

With external dimensions of 1005 x 736 mm and weighing 50 kg, the system is more portable than traditional checkweighers and can easily integrate into existing production lines constrained by tight spaces. The stainless steel SUS304 construction and IP65 moisture and dust rating makes the system suitable for use in the food industry.

A&D Australasia Pty Ltd

www.andaustralasia.com.au

STAND

149



STAND

251

© dollarphoto.com/rdnzj



Tray-sealing machine

The O² 5000 inline modified atmosphere packaging (MAP) machine is Mecapack's smallest inline tray-sealing machine, suitable for users with small to medium production rooms and limited floor space. With a completely washable free-draining body and stainless steel construction allowing easy access for tooling and format changes and cleaning, the machine offers a combination of compact footprint, hygienic design and efficiency.

The product utilises an IP65 colour touch screen, brushless motor technology and commercially available electronics. Optional Plexiglass guarding allows the operator easy visual access to the tooling/sealing area for monitoring of the machine operation. Programming is easy due to an intuitive 10" colour touch screen for all settings and parameters and on-screen assistance.

Available in configurations for single- or double-lane operation and speeds of up to 15 cycles/min (sealing) and 12 cycles/min (vacuum and gas), production rates of up to 60 packs/min are achievable on 8 x 5 or 9 x 7 trays working in double-lane format. The machine can work with the following sealing processes: standard/laminate films; shrink films; aluminium/foil films; inside cut; Skinfresh vacuum skin packing (VSP) where the film is totally sealed around the product; and Slicepak.

Linco Food Systems

www.linco.com.au



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STAND

424



Non-heat pasteurisation technology

With a lot of talk in the beverage industry about non-heat pasteurisation, FB*Propak announces a method said to be more efficient, more beneficial and more compact than other alternatives on the market. The company offers non-invasive alternatives to heat-based pasteurisation, preserving the organoleptic integrity of the raw materials and the finished product.

With the increase in desire to process and consume beverages and food with all the nutritional components still intact, the company has solutions relevant to products such as fruit juices, protein drinks, isotonic drinks, milk, bottled water and RTDs.

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STAND
636

Cable management system

The Axelent X-Tray cable management system can be mounted from the wall, floor or ceiling. The system is available in a range of sizes and has been tested and approved by the International Cable Management Standard, IEC 61537.

Five surface coatings are available, including 316L stainless steel. Other features include: NEMA 1 cable ladder load rating, fully loaded joints, no sharp edges and all welding points are individually made and verified to ensure safe equipotential bonding during the life of the tray.

Axelent Automation & Safety PTY LTD
www.axelent.com.au

Packaging automation equipment

STAND
429

More and more manufacturers are looking at ways to maximise their profits by minimising the labour content of their finished products. Impact Automation can combine new and existing equipment to improve production KPIs and targets - often the labour savings achieved with the tray denesters, tray ladders, case packers, labelling and printing solutions cover their cost and the increased production levels are a bonus.

Impact Automation has experience in chocolate, bakery and confectionery industries, with its tray denesters, carton erectors and case packing solutions. The company also has experience in fresh fruit and produce with tray denesting, tray lidding, weighing, punnetting, sizing, sorting labelling, inkjet printing and case packing solutions.

Impact Automation
www.freshauto.com.au

High-speed vertical form fill and seal packaging machine

STAND
154



The tna robag FX 3ci high-speed bagger delivers throughputs of up to 250 bpm. The high-speed vertical form fill and seal (VFFS) packaging machine offers production flexibility in a compact, easy-to-clean system that is suitable for a wide variety of products.

This system claims up to a 30% improvement in performance in terms of output and reduction in rejects, while achieving high throughput rates. With innovative features including the patented tna hyper-detect metal detector, tna intelli-read bar code verification scanning system and the tna intelli-scan visual print code verification system, the FX 3ci provides manufacturers with a complete packaging solution.

In addition, tna has made it easier to operate the machine by simplifying the film system. The tna auto-splice automatically changes film reels when one is finished, increasing packaging efficiency and product throughput by reducing the need for manual intervention.

TNA Australia Pty Ltd
www.tnasolutions.com

Digital direct container printing for beverages

STAND
555

Krones' DecoType machine enables digital direct container printing for the beverage industry. Direct printing provides the capacity for individualised design and is suitable for supporting product launches and marketing campaigns. Variable data like barcodes or the use-by date can be integrated, all the way through to individual product tracking, if required.

The machine uses UV inks and can achieve imprint heights of up to 200 mm. The machine is compact and modularised, and is suitable for handling empty plastic containers made of PET, PP or PE, either cylindrical or specially shaped. The decoration technology avoids overproduction of labels, does not require label adhesive and reduces storage costs. Short changeover times can be achieved in actual use.

Krones (Thailand) Co Ltd
www.krones.co.th



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Metal detector

Eriez has released the Extreme Metal Detector, designed to achieve a high level of sensitivity to detect small ferrous, non-ferrous and stainless steel metal contaminants in sanitary and non-sanitary environments.

According to the company, the detector has been enhanced with improved sensitivity, intuitive operation and good reliability. The detector offers an easy-to-navigate control with a 7" colour touch screen interface.

Other features include a full Qwerty keyboard, auto set-up, dedicated reject log and remote access capability.

Eriez Magnetics Pty Ltd

www.eriez.com

STAND
432

Compact robot controller

The footprint of ABB's IRC5C is now up to 25% smaller. The IRC5C

second-generation compact industrial robot controller is a fully fledged member

of the IRC5 family of industrial robot controllers. It comes equipped with the majority of the functionality and benefits of its larger counterpart; now in an even smaller footprint (310 H x 449 W x 442 D mm). The IRC5C has all the same features as its predecessor plus new functionality, which results in greater productivity. The robot controller is compact and easy to integrate as its smaller size means it allows for smaller integrated rack-mounted solutions. The user-friendly control panel has easily accessible cabling and connectors offering users an improved experience. The IRC5C's operator panel also has been simplified, and its cable connections have been improved for greater ease of use and intuitive operation. For example, there are external connectors for all signals and a built-in expandable 16-in, 16-out I/O system. Despite its small size, the IRC5C retains the superior motion control of its larger counterpart. This motion control technology, featuring TrueMove and QuickMove, is central to ABB Robotics' established performance in terms of accuracy, speed, cycle time, programmability and synchronisation with external devices. The controller also makes it easy to quickly integrate additional hardware and sensors, such as ABB's Integrated Vision.

ABB Australia Pty Ltd

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STAND

718



Tanks and heat exchange process for pasteurised filling cream prepreparation

Filling creams are mixed emulsions of water, sucrose, corn syrup, milk, fat (butter or vegetable), chocolate, fruits and emulsifier. These ingredients are metered with flow meters or weighed, then batched in Daxner's mixer for preparation.



The mix is then transferred into a hot water jacketed buffer tank which has an agitator.

Due to the high product viscosity, positive pumps are used to transfer the product in a continuous flow to the pasteurising and cooling/crystallising SSHE Scrape Surface Heat Exchanger. During this operation nitrogen or filtered air can be injected in the product.

The finished cream can be directly spread over product or filled into containers for later use or distribution.

The system features CIP sanitation, positive rotary pumps and centrifugal sanitary pumps. Using the system has the following benefits for the processor: extension of the shelf life; cost reduction as the percentage of fat can be reduced; low-calorie recipes can be produced; almost no humidity exchange with the sponge in layer cakes, due to the same water activity; and thermal treatment can be used to create different flavours, aromas and viscosities.

Daxner

www.daxner-international.com

Tension and compression test stands

The Mecmesin MultiTest-i range of compressive and tensile test stands is particularly suited to the laboratory environment. They are available in a range of capacities, from the entry-level, single-column MultiTest-1 through to twin-column test frames which have been specifically designed to test large or high-load samples and products.

The product's computer-controlled testing systems offer full programming control and in-depth analysis possibilities with an easy-to-use graphical interface. Emperor software allows sophisticated test procedures and analyses to be developed, ensuring a comprehensive understanding of the test and its outcome.

Intelligent loadcells mounted on the test stand download test data synchronously at a rate of up to 2000 times/s, directly to a PC via the serial or USB port. This ensures high accuracy of testing particularly where peak loads are being recorded.

Should testing requirements change, the product can be enhanced by using a different loadcell. All Mecmesin-i loadcells are quickly and easily interchangeable - just plug and play. A wide range of standard grips and fixtures is available. Alternatively, a custom-built fixture can be designed for a specific application. The range of test stands, combined with the power of Emperor Software, offers a comprehensive solution to product, component or materials testing needs. The twin-column MultiTest 10-i and MultiTest 25-i enable larger-sized or high-load samples and products to be tested while still fulfilling the requirements for ease of use in a production or quality laboratory environment.

SI Instruments

www.si-instruments.com

STAND

646



STAND

671

Stackable fluid storage tanks

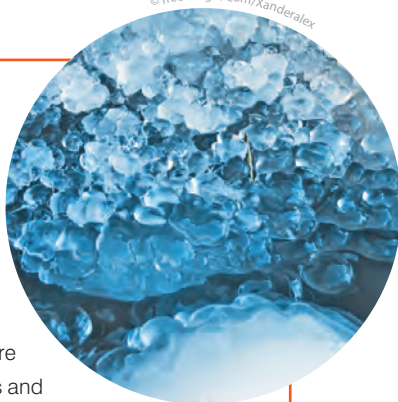
The Wall-Stacker range enables bulk fluid storage in constrained locations. With a small system footprint of 19" x 36", the user can store and dispense multiple oils, chemicals and industrial fluids in a clean, safe and efficient stackable poly tank configuration.

The tanks can be stacked in multifluid configurations up to four tanks high, utilising steel wall straps to secure the storage system to a wall. An angled corner design allows for easy filling.

The system comes in capacities of 132 to 908 L, with gravity feed or pump dispensing options also available.

Clean Lube Solutions

www.cleanlubesolutions.com.au



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STAND

633

Compact index wheel and conveyor

AFPM's compact index wheel and conveyor allows automated filling in a simple system that can be retrofitted to older fillers.

The compact index wheel offers efficient utilisation of floor space and can include multiple filling points or other operations.

Mounted on an AFPM conveyor, the index wheel provides accurate positioning and productivity usually associated with much larger units.

AFPM is now combined with Australian Stainless Products, whose ability to build tanks, pipe work, work platforms and other process equipment to customer specification complements AFPM's range of powder and liquid filling systems.

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Compostable packaging reflects brand ethos of organic energy foods manufacturer



German brand Jäger und Sammler produces energy bars that are 100% organic, gluten free and contain no added preservatives or flavour enhancers. The energy bars are available in three flavours - fruity (suitable for vegetarian diets), fiery (suitable for vegan diets) and hearty, which contains red deer jerky and is the first energy bar in Europe to introduce dry meat suitable for paleo (extreme high protein) diets.

When choosing packaging for the bars, manufacturer Die Kraft des Urstromtals ('The Force of the Glacial Valley') looked for wrapping which supported the ethos of the brand. They chose Innovia Films' compostable, flexible material, NatureFlex.

According to the company, NatureFlex was chosen for the packaging as the film begins life as a natural product - wood - and breaks down in a home compost bin or industrial compost environment within a matter of weeks. Yet it also offers advantages for packing and converting, such as inherent deadfold and antistatic properties, resistance to grease and oil, good barrier to gases, aromas and mineral oils and a wide heat-seal range.

Ivan Perez, co-founder of Die Kraft des Urstromtals, outlines why they selected NatureFlex:

"As our Jäger und Sammler bars are 100% organic, the wrapping should also have cutting-edge characteristics. Innovia Films' NatureFlex fits the bill perfectly for us. The compostability of this film, in combination with it being manufactured from renewable resources, is exactly what we were looking for in our approach towards healthier food where no harm is caused to the environment."

NatureFlex films are certified to meet the American ASTM D6400, European EN13432 and Australian AS4736 standards for compostable packaging. The wood pulp is sourced from managed plantations. The renewable biobased content of NatureFlex films is typically 95% by weight of material according to ASTM D6866.

"We are delighted that our compostable film, NatureFlex, is helping meet not only our customer's needs from a packaging perspective, but also supporting the ethos behind the creation, development and marketing of the Jäger und Sammler energy bars," commented Joachim Janz, sales account manager, Innovia Films.

Innovia Films Pty Ltd
www.innoviafilms.com



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- 12 Food - Beverages
- 13 Food - Confectionary
- 14 Food - Dairy
- 15 Food - Fruit & Vegetables
- 16 Food - Meat
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- 21 Instrumentalities (eg CSIRO)
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- 30 Manufacturing
- 33 Packaging
- 45 Pest Control
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– ESL – without heat pasteurisation



With a lot of talk in the beverage industry about non-heat pasteurisation, we are pleased to announce that there is another effective method available that is more economic, more efficient, more beneficial and more compact than other alternatives on the market. With increasing desires to process and consume beverages/food with all the nutritional components still intact, we have some improved and realistic solutions relevant to products such as fruit juices, protein drinks, isotonic drinks, milk, bottled water and RTD's. We offer proven, non-invasive alternatives to heat-based pasteurisation, preserving the organoleptic integrity of the raw materials and the finished product. This is certainly one of the significant growth areas of innovation in the beverage industry.

For more info please contact Paul Baggio at info@fbpropak.com.au or call +61 3 9924-4050. You'll also see more of our food/beverage technology range on Stand 424 at Auspack in Melbourne from the 24th - 27th March 2015.