

Robots for tight spaces

Robotics system integrator and FANUC strategic partner Pacepacker Services, believes that the latest addition to FANUC's M-410i range of palletising robots the M-410iB/140H, will meet demand for a super fast yet compact robot where space is limited.



New FANUC M-410iB/140H

Pacepacker is an experienced system integrator and predicts there will be a high level of interest in this robot, which can perform cycles in less than two seconds, has a payload of 140kg, and is designed with a slimmer arm and wrist, making it the most compact in the M-410i range. "The new arm design makes the robot more compact and because of its speed it is able to keep up with many of the form, fill and seal systems used in today's demanding production environments," says business development manager at Pacepacker Paul Wilkinson.

The M-410iB/140H is the fastest in its class and well suited for palletising multiple products onto multiple pallets using barcode scanning or vision systems if needed. It will also enable Pacepacker to continue its philosophy of providing customers with uncomplicated competitive solutions: "Design simplicity is how we approach all projects and is key to a successful installation," says Wilkinson. 01371 811544 www.pacepackerservices.com

Flow wrapper brings benefits for chickens

Ilapak has launched a new, upgraded version of its Delta LD flow wrapper, specifically designed to meet the packaging requirements and tough hygienic standards of the poultry industry.

The new flow wrapping machine handles chicken pieces and whole birds with or without a tray and is designed to improve packaging line efficiency, reduce packaging costs, enhance pack presentation and minimise leaker rates. It is particularly suitable for Cryovac's BDF and SES films.

The machine is one of the first on the market to offer the capability to flow wrap whole birds with and without a tray, allowing producers to achieve significant cost savings by removing the traditional supporting tray altogether, while also enhancing overall



The new Delta LD flow wrapper is designed for the poultry industry

presentation by eliminating on pack wrinkles.

Also, the long-dwell sealing head optimises the sealing cycle to produce high quality seals and leak-proof packs, while improved hygiene is another important benefit. The flow wrapper's robust, easy-to-clean design, with smooth stainless steel surfaces and no visible holes or screw traps, makes it easier to

meet stringent food industry regulations.

The Delta LD for poultry uses the same easy-to-use electronic control platform as other Ilapak machines and so offers the same wide range of operational benefits such as automatic product size change, no-product-no-bag and misplaced product detection.

020 8797 2000 www.ilapak.com

Camera aids quality checks

Adbro Controls has integrated SICK's new 3D and colour imaging camera in a high speed conveyor-based quality control and high speed reject system. Designed primarily for the food industry, the solution can be easily integrated with existing installations.

"The ColorRanger E has enabled us to deliver a complete palate of inspection parameters for critical QC tasks," explains Adbro engineer Nicky Brian. "Size, height, shape and some surface defects have been possible with previous profiling scanning cameras however the new system can inspect colour defects as well."

A typical system would involve the integration of the ColorRanger E with a laser scanner and PLC, which tracks the exact position of goods on a conveyor belt. The PLC



The ColorRanger delivers a complete palate of inspection parameters

compares scanned defects against the pre-programmed range of ideal items for approval, or rejection, and delivers the information to a pneumatic nozzle which then blows the faulty item off the belt with compressed air.

"This system can easily replace

existing sensors, and black and white cameras, and doesn't require new conveyor installations or extensive downtime, making it a cost effective method of improving critical quality control checks," says Brian.

01727 831121 www.sick.co.uk

Track and trace to stop any copying

The new Track and Trace system from Bosch Packaging Technology helps pharmaceutical companies reduce the possibility of counterfeit products on the market. It can be integrated onto existing lines, including packaging machines, checkweighers, printing modules for cartons and bottles, hand packing tables and validation tables for quality assurance.

With this system, a unique identifying code is printed onto each product after it has been packaged, which allows individual products to be traced throughout the supply chain and facilitates any counterfeit products to be identified easily. It also provides manufacturers with documented proof of what has been produced at item level.

The system uses a carton printing system module consisting of a printer and camera which automatically prints and verifies products.

To trace each product individually, a unique serial number as well as an expiration date is printed onto the pack.

The system encodes the data into a machine-readable 2D data matrix code eliminating the



New system can be integrated

possibility for human error in the tracking process.

Printed tracking data is automatically checked for accuracy by the camera which reads and verifies each printed digit. All information is then stored in a centralised database to ensure tracking and tracing of each product is possible after each one exits the factory. This database can also be modified to provide the printed data to regulatory bodies such as the Food and Drug Administration or the Ministry of Health.

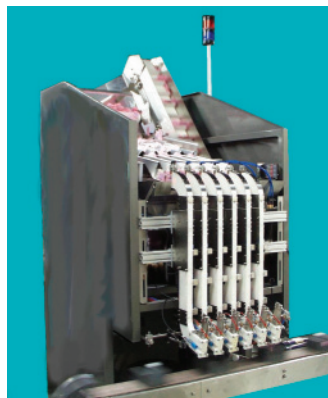
01332 626262

www.boschpackaging.com

Flexible feeder for desiccants

RNA Automation has launched a new unit to feed and insert both pouch and canister desiccants from loose bulk quantities into containers.

Called the model DF-OT, the patent pending machine does not have to cut pouches from a rolled strip, instead it control feeds and singulates them from loose bulk quantities. Also, the machine can perform multiple insertions into single containers or single insertions into multiple receivers such as a matrix tray or a multi-lane assembly system.



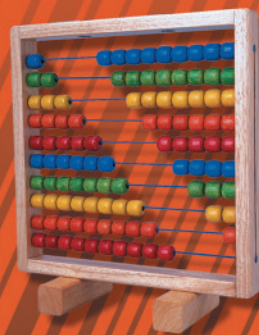
The model DF-OT from RNA

0121 749 2566

www.maaautomation.com



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Tray sealers

Packaging Automation (PA) has introduced the Eclipse range of high speed tray sealing machinery designed to stand up to food factory demands.

Up to 180 packs a minute can be achieved on the TL6 twin lane format and 90 packs on the SL6 single lane version. And these speeds are from a unit with a small footprint.

"From scratch, we have designed a rugged, reliable and environmentally efficient machine that offers greater speed, flexibility and cost savings," says PA's sales manager Neil Ashton.

An inbuilt tool loading system allows manual tool changes and accurate docking of electrical and gas connectors to allow two minute tool changeovers.

01565 755000
www.pal.co.uk

Simple unit

Meech International has introduced a simple but effective monitoring unit for AC ionising systems used in the graphic arts, packaging, converting, plastic and pharmaceutical industries.

The 904CM system is easy to fit and provides accurate monitoring of the performance of the emitter pins incorporated within the ionising bars.

01993 706700
www.meech.com

Belt fed vacuum packer is high speed champion

Multivac has launched a belt fed vacuum packing machine designed specifically for high speed, high volume bag or pouch packaging of primals, large cuts of meat and blocks of cheese.

With two 1500mm long seal bars situated 800mm apart and automatic height adjustable seal bars, the B610 can easily seal several very large bags or a large number of smaller pouches simultaneously. One of the special features of the unit, which is designed to address frequent criticism of other large belt fed equipment, is the hygienic design with a tilting lid which aids both cleaning and maintenance.

It is designed to be a stand alone unit or to be integrated with Multivac's range of shrink and drying tunnels and other end



The B610 belt fed vacuum packing machine extends Multivac's range

of line equipment including labellers, metal detectors, checkweighers and X-ray machines to offer a complete packaging line solution. "Combining our industry benchmark German design and build quality, our comprehensive spares and support network and our range of finance packages available makes the B610 a cost effective packaging

solution," says Andrew Stark, who is the marketing manager of Multivac UK.

This new unit extends the vacuum packing machine range that also includes small single chamber units, swing lid machines along with small and medium sized versions of belt fed equipment.

01793 425800
www.multivac.co.uk

Cost effective checkweigher is easy to use

The E Series checkweigher from Yamato can help increase output while reducing overall costs.

With a weighing range of 6 up to 25kg, the stainless steel checkweigher is supplied with a full colour touch screen and data management. The company says it has concentrated on accuracy and ease of use with this design as,

for instance, the E Series has an interactive wizard as standard to help operators with set up and product input. During operation, the machine monitors both the software and hardware operation and provides animated screen prompts to assist the operator should a problem arise. Various reject devices are also offered.

Line height can be altered between 600-900mm and this helps the unit to be installed in an existing line.

To offer environmental benefits, the E system utilises a clever power supply that in turn reduces power consumption as well as being RoHS compliant.

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