

# FOCUS ON Packaging

## A system to reduce losses when emptying bags

Bags of 10–90 kg typically lose between 0.4 and 1% of the products — often expensive ingredients — due to residues left behind when the bags are emptied, says this company. To reduce losses, the company has developed a new system (photo) for emptying bags. Up to 99.9% of the contents can be removed by the system, which uses vibration-, air-pulse- and suction-based technology. The system is especially suited for processing expensive and contamination-sensitive ingredients. The system is suitable for all types and sizes of bags (10–90 kg) and can be used with products having a wide range of transport characteristics. — *Dinnissen B.V., Sevenum, the Netherlands*  
[www.dinnissen.nl](http://www.dinnissen.nl)



Dinnissen B.V.



Flexicon



Cortec

## Packing paper that protects against corrosion

Bio Wrap Creped — powered by Nano-VpCI (vapor-phase corrosion inhibiting technology) — is a corrosion-inhibiting paper for protecting metals that are in an enclosed package (photo). This non-toxic, biodegradable crepe paper combines multi-metal corrosion protection with the packaging benefits of paper creping, which increases the tensile strength and degree of pliancy. The paper provides cushioning and surface protection for wrapped parts and a “pooling” effect for oiled parts. The paper is effective against aggressive environments, including humidity, SO<sub>2</sub>, H<sub>2</sub>S and galvanic corrosion from dissimilar metals. It can be used for the protection of products for storage and shipment, as end enclosures for shipping tubes, insert paper for recess areas in large packages and as sheet liners or separators between products. — *Cortec Corp., St. Paul, Minn.*  
[www.cortecvpci.com](http://www.cortecvpci.com)

## Integrate this tubular conveyor anywhere up- or down-stream

The new Flexi-Disc line of Tubular Cable Conveyors (photo) is suitable for the gentle transfer of friable food

and non-food products, and is offered as a standalone system, or fully integrated with upstream and downstream equipment, including bag-dump stations, bulk-bag dischargers, bulk-bag fillers, container dumpers and more. The conveyor moves material using high-strength polymer discs — affixed to a stainless-steel or galvanized cable — that slides within a smooth stainless-steel tubing. The system can have single or multiple inlets and outlets, and can convey over short distances or hundreds of meters. — *Flexicon Corp., Bethlehem, Pa.*  
[www.flexicon.com](http://www.flexicon.com)

## Detect and reject metals from pills with this machine

The standalone Insight PH metal detector (photo) combines core technologies with additional features to deliver benefits to manufacturers of tablets and capsules. The system is highly resistant to vibration, and its integrated digital search head and Optix detector-management software guarantee detection and rejection of



Lock Inspection Systems

minute metal fragments, while maintaining high productivity. The detector is sensitive to all metals, and can inspect up to 30,000 tablets or capsules per minute. — *Lock Inspection Systems Ltd., Oldham, U.K.*  
[www.lockinspection.com](http://www.lockinspection.com)

## This automatic tube filler has a small footprint

The Unipac U 2060 automatic tube filler (photo, p. 56) has an enclosed design that meets ergonomic requirements. With a compact structure (footprint less than 1.5 m<sup>2</sup>), the unit is easy to access. Equipped with eight stations, the system is suitable



Romaco Group

for filling semi-solids, such as ointments, creams, gels, pastes and other products in the pharmaceutical and cosmetics industries. The products are filled into aluminum, laminate or polyethylene tubes, which are closed either mechanically (by means of a series of folds) or in a heat-sealing or hot-air process. The machine has a maximum output of 60 tubes/min. — *Romaco Group, Karlsruhe, Germany*  
[www.romaco.com](http://www.romaco.com)

#### A robot to add or load or unload pallets automatically

At Pack Expo (Las Vegas, Nev.; September 23–25), this company presented its Avley robotic palletizing and depalletizing machine (photo). The robot's flexibility, combined with advanced software and vision technology, enables handling of variable loads and products and brings the speed and accuracy of automation to previously manual processes, says the company. The manufacturer offers all the components for complete order-fulfillment solutions, enabling users to phase out manual processes. — *Intelligrated, Mason, Ohio*  
[www.intelligrated.com](http://www.intelligrated.com)

#### Shrink films for beverage multipacks

Introduced in August, the Bemis Titan brand shrink films and labels are designed to enhance beverage packaging quality, efficiency and brand appeal using advanced polyethylene shrink technology. The film creates vibrant, sustainable shrink multipacks that re-



Intelligrated

place corrugated, paperboard or plastic rings. Multipacks made with these shrink films reduce material weight by 50% and decrease packaging costs by up to 30% compared to paperboard, says the company. — *Bemis Performance Packaging, Oshkosh, Wisc.*  
[www.bemisperformancepackaging.com](http://www.bemisperformancepackaging.com)

#### Instant product authentication with a new barcode

Unlike traditional 2D barcodes, which are limited in data capacity and require an internet connection or time consuming database look-ups, the HD Barcode has none of these shortcomings, making it suitable for absolute product authentication. A single code can hold 175 times more data than a traditional 2D barcode, and may contain text, images, HTML and other file types. HD Barcode uses a proprietary reading application that allows an authorized user to scan and read these comprehensive product details in any location. Manufacturers can track and trace information, product specifications, e-pedigree data, plant location, manufacturing date, distribution regions, package carton or label identifiers, user data, and more. — *Complete Inspection Systems, Inc., Indianalantic, Fla.*  
[www.completeinspectionssystems.net](http://www.completeinspectionssystems.net)

#### Rigid packaging manufactured from only polyethylene

This company continues to expand its sustainable packaging portfolio with the recent launch of a 100% PE Standup Pouch (SUP). The SUP's



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## Focus

structure is made with only one raw material, PE, enabling easier recycling with 83% less plastic used when compared to traditional rigid plastic packages. Also, the monomaterial composition and improved trimmings contribute to lighter weight, which leads to additional cost savings and storage and transportation benefits. The SUPs can be used for cleaning products, beverages, cosmetics, dry and frozen foods and products in the building and construction sector. — *The Dow Chemical Company, Midland, Mich.*

[www.dow.com/packaging](http://www.dow.com/packaging)

### A modular tablet counter that delivers fast and accurate filling

The Cremer CFS-622 Tablet Counter (photo) is a servo-driven counting and filling system that features a modular design, accommodating up to four counting modules to fill up to 170 bottles per minute. It handles almost any size tablet, capsule or softgel and

fills almost any bottle while achieving 100% counting accuracy, says the manufacturer. The unit's servo-driven feed screw and dipping filling nozzles provide fast and accurate transportation and filling of almost any size bottle. Servo-driven vibratory plates, product separator flaps and discharge flaps provide fast and consistent product flow while minimizing maintenance, adds the company. The system meets 21 CFR Part 11 guidelines. — *NJM-Packaging, Lebanon, N.H.*

[www.njmpackaging.com](http://www.njmpackaging.com)

### Print compliant labels faster and with better quality

ColorWorks Label Printer technology was introduced to help manufacturers that produce a large number of SKUs (stock-keeping units) manage the chaos associated with different

label varieties and to meet new regulatory labeling standards. Launched last month at Pack Expo, ColorWorks offers improved image quality and production speeds. The company says this new technology can help reduce total labeling costs by up to 50% for a wide range of packaging and manufacturing applications. The company also launched its ColorWorks C831 Wide Label Printer to help manufacturers and transporters comply with Globally Harmonized System (GHS) labeling standards. — *Epsom America, Inc., Long Beach, Calif.*

[www.pos.epson.com](http://www.pos.epson.com)

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