



SUPERMARKET:
Tea in kid-friendly
pouch...honestly. p. 28



CLEVER CARTONS:
Celebrity's oversized pies
ship safely. p. 34



DESIGN TRENDS:
Cadbury is having a ball
with gum. p. 6

 Reed Business
Information®

July 2007

PACKAGING DIGEST®

www.packagingdigest.com

Chips sail to retail

Bag coding at line speeds 20

Rx for filling, sealing 48

Kent lights up 50



CLICK HERE TO

RENEW

your FREE magazine
subscription

CLICK HERE TO

START

a FREE e-newsletter
subscription

Net Wt 9 oz (255.1g)



The Future of Packaging Today!

Innovative Packaging Solutions for over 100 Years

- ◆ Shrink Labels - PVC, PETG, OPS in Various Thicknesses
- ◆ In Mold Plastic Labels
- ◆ Beverage and Food Labels
 - Roll Fed, Roll Shrink
 - Cut and Stack
- ◆ PVC, PET, OPP Carton Systems
- ◆ Flexible Pouch Systems
- ◆ Rotogravure, Flexo, UV Flexo and Offset Printing in Up to 10 Colors
- ◆ Application Equipment for Shrink and Roll Fed Labels
- ◆ Over 400 Patents Worldwide

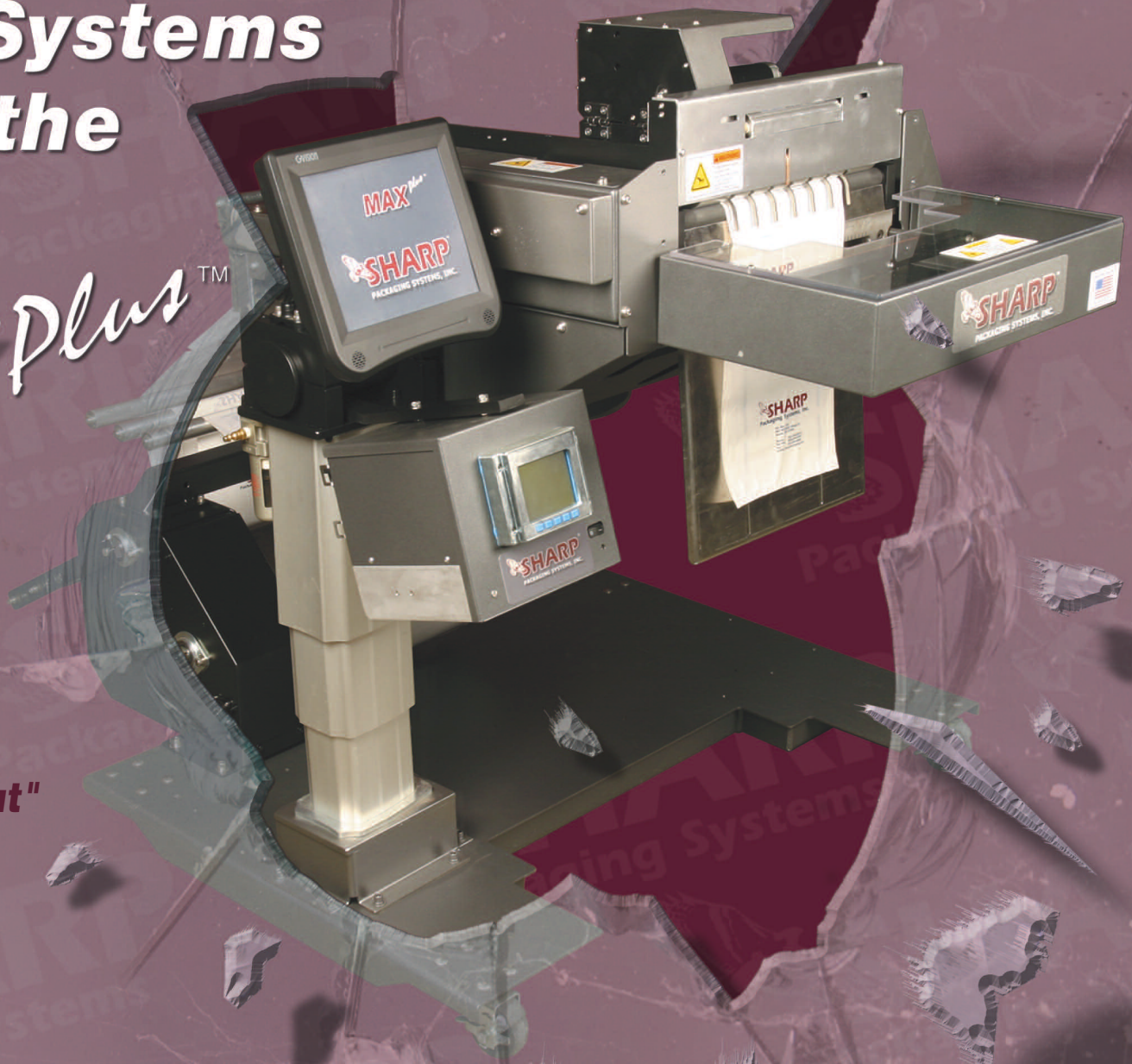


Fuji Intersleeve® Model SA 3200
Steam Shrink Label Machine

BREAK THRU!

**Sharp
Packaging Systems
Introduces the
NEW Sharp**

MAX *Plus*™



- **Patented "First Bag Out" Printing Capabilities**
- **Cycles Over 100 Bags per Minute**
- **On Board Integrated PC for Enhanced Production, Automation and Integration**
- **Revolutionary Smart Bag Technology Maximizes Up-time**



SHARP™
Packaging Systems

Sharp Packaging Systems
P.O. Box 124 • N62 W22632 Village Drive • Sussex, WI 53089
262-246-8815 • FAX: 262-246-8885 • 800-634-6359 • www.SharpPackaging.com



features

- 20 COVER STORY** Utz codes chip packs at line speeds, cuts maintenance, downtime.
- 24 Bottler awash in equipment** DrinkMore adds new filling, capping and robotics.
- 28 FMI show packs food and fun** Package design and flair mix at show in Chicago.
- 34 Pie cartoning** Clever cartons spotlight pies from soap opera star Mary Beth Evans.
- 40 Dry-food bagging at International Foods** Vertical baggers include radial scales.
- 43 System Integration** It's often an accidental career.
- 44 Pharma tube filling, sealing** Perrigo reaps benefits from 20-plus fillers and sealers.
- 48 Bible distributor repositions shipping labels** Its printer/applicators run speedily.

new technology

- 39 Brand Security** State fights counterfeiting.
- 47 Sustainability** Managed composting of materials.
- 50 Smart Packaging** Kent's cigarette carton conveys its marketing message in lights.

on the web

▷ Focus on flexo

Six converters win the Flexographic Technical Assn.'s 2007 Best of Show awards. Find them at www.packagingdigest.com/info/FTA07

▷ Alternative packaging universe

Warehouse club products are sold in bulk, in large multipacks and in beefed-up package configurations. These packaging oddities are the result of a 1936 antitrust law aimed at leveling the playing field in American commerce. Critics say the law has lost its usefulness and costs consumers millions while forcing manufacturers to create unnecessary packaging schemes. Read more at www.packagingdigest.com/info/multipacks

MRI Labels

SHRINK WRAP STRETCH

Transforming Bright Ideas Into Brilliant Labels

360 degree product decorating
in Shrink Sleeve, Stretch
Sleeves, and Wrap-Around
Labels. MRI has turned
innovative labeling concepts
into reality – Your creativity
and imagination is our
challenge – Ask our
team, we are confident
you will be pleased.

MRI Technologies

- PVC, PETG, OPS
Polyethylene
and Polypropylene
- Digital Pre-Press
- State of the art
flexographic press
with up to **10 colors**.
- 6 color process printing



MRI 1-800-448-8183
www.mriflex.com
sales@mriflex.com
Flexible Packaging ISO 9001:2000 & AIB Certified

Stretch, wrap, or shrink – we will find a solution.

departments

- 6 DESIGN TRENDS** Packaging that stands out.
- 12 COMMENT** RFID's pack progress: moderate but steady.
- 15 NEW PRODUCTS SPOTLIGHT** RFID.
- 18 NEW PRODUCTS MATERIALS** Flexible Packaging.
- 39 BRAND SECURITY** State fights counterfeiting.
- 43 SYSTEM INTEGRATION** It's often an accidental career.
- 47 SUSTAINABILITY** Managed composting of materials.
- 50 SMART PACKAGING** Kent launches light-up carton.
- 57 INFO SHOWCASE**
- 59 NEWSMAKERS**
- 60 MARKETPLACE**
- 63 AD INDEX**
- 64 ONPD.COM**



staff

Editorial/Production Offices

2000 Clearwater Dr., Oak Brook, IL 60523

630/288-8000 Fax 630/288-8750 e-mail: packagingdigest@reedbusiness.com



John Kalkowski, Editorial Director
630/288-8706 john.kalkowski@reedbusiness.com



Mary Ann Falkman, Editor-in-chief
630/288-8748 mfalkman@reedbusiness.com



Lauren R. Hartman, Senior Editor
630/288-8749 lhartman@reedbusiness.com



Jack Mans, Plant Operations Editor
630/288-8747 jmans@reedbusiness.com



Anne Marie Mohan, Senior Editor
630/288-8746 amohan@reedbusiness.com



Grant Gerke, Web Editor
630/288-8744 gerke@reedbusiness.com

Lora Lee Gelles, Art Director, lgelles@reedbusiness.com
Bernard Abrams, Contributing Editor, bernieabrams001@comcast.net
Seth Rosner, Webmaster, seth.rosner@reedbusiness.com
Joy Tan-Pipilas, Production Editor, mtan@reedbusiness.com
Quentin Brown, Production Manager, 630/288-8433, qbrown@reedbusiness.com
Mark DiVito, Group Research Director, mark.divito@reedbusiness.com
Lauren Franco, Junior Web Producer, Lauren.Franco@reedbusiness.com
Rose Logusz, Classified Production, rlogusz@reedbusiness.com
Mary Ann Brockway, Ad Services Coord., mbrockway@reedbusiness.com
Tad Smith, CEO
Jeff Greisch, President, Chicago Division
John Poulin, Senior Vice President, Finance



Steven Reiss, VP, Publishing Director
630/288-8807 sreiss@reedbusiness.com



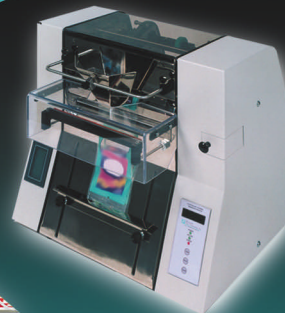
Robert Heitzman, Publisher Emeritus
630/288-8735 rheitzman@reedbusiness.com

Advanced

BAGGING TECHNOLOGY

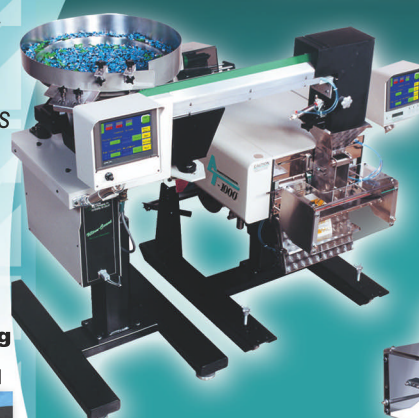
Pre-Opened Bags on Rolls

- Stock
- Custom
- Printed



Ultra-Series™

- Counters
- Scales
- Infeed Conveyors



T-375 Automatic Tabletop Bagger/Printer "Next Bag Out"

- Thermal printing: "Next Bag Out"



T-1000 Advanced Poly-Bagger™

- High-speed bagging
- Thermal printing



Packaging Products Catalog II



Advanced Poly-Packaging, Inc. www.advancedpoly.com

1331 Emmitt Road • Akron, OH 44306 • 1-800-754-4403

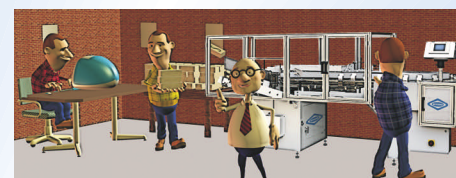
Are you in over your head with overhead?



Is there no light at the end of the carpal-tunnel?



Add a Bivans cartoner to your team!



More efficiency.
Increased capacity.
Better ergonomics.
Fast Return On Investment!



"Built like a tank"

But not priced like one.

2431 Dallas Street • Los Angeles, CA 90031
(323) 225-4248 Phone • (323) 225-7316 Fax
Website: www.bivans.com
Email: info@bivans.com

Don't get **BURNED** On Your Next Labeler



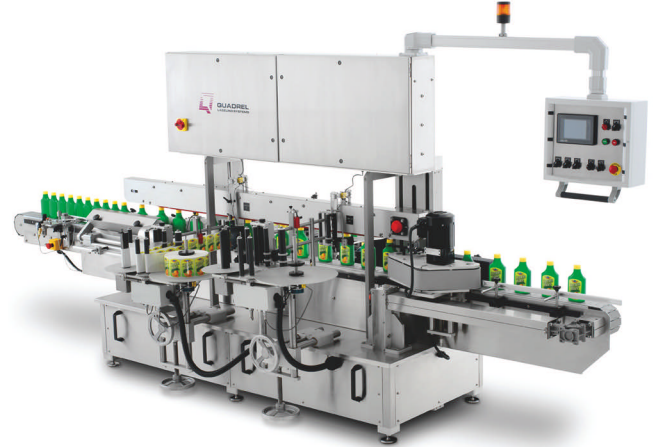
Our labeling systems are designed to provide you with years of reliable service in the harshest environments. From sophisticated mainframe systems able to run 24/7/365, to high quality economically priced systems...
WE keep you out of the HOT SEAT!

ROTARY LABELING SYSTEM



- Available up to 600 ppm @ $\pm 1/32''$ accuracy
- Up to 4 servo driven labeling stations for wraparound, front/back, neck and spot

HEAVY DUTY PRIME LABELING SYSTEM



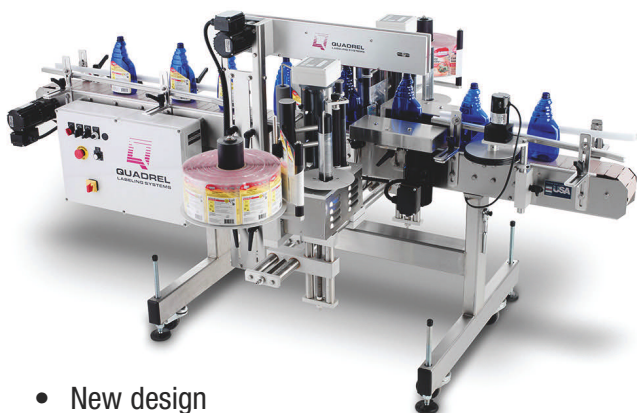
- For the most demanding 24/7 applications
- 350 ppm @ $\pm 1/32''$ accuracy
- Color Touch Screen All PLC control

SHRINK SLEEVE



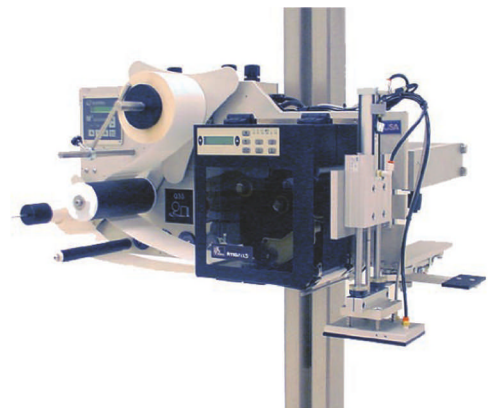
- Full body sleeve or tamper bands
- Speeds to 150 ppm
- Innovative cutting mechanism

TECHNICALLY ADVANCED ECONOMICALLY-PRICED



- New design
- Stainless steel construction
- Up to 120 PPM
- Front/Back, wraparound, side panel

THERMAL TRANSFER PRINT & APPLY



- Bar codes, graphics, variable information
- Pallet labeling, carton labeling
- Leading, side panel, corner or adjacent side

Quadrel, the Safe Choice

www.quadrel.com 800.321.8509

7670 Jenther Drive, Mentor, OH 44060 Phone: 440.602.4700 Fax: 440.602.4701



QUADREL
LABELING SYSTEMS

design trends



Juice label lends a touch of the tropics

Direct from the South Pacific, Hilo Gold Noni Juice, manufactured and distributed by The Stratis Group, is a drink that for several generations has been a favorite of the native people of Hawaii. Hawaiians consider noni fruit sacred. Noni fruit has been used for thousands of years to promote the body's well-being. Hilo Gold 100-percent Pure Hawaiian Noni Juice is now available on the mainland. The 32-oz glass bottle of the new juice product is being launched with a vibrantly decorated and distinctive heat-shrinkable polyethylene terephthalate glycol (PETG) label from the **Seal-It Div. of Printpack (www.printpack.com)**. Stratis asked Seal-It to gravure-print a full-body sleeve label that would reinforce the tropical image of the Hawaiian fruit in order to obtain maximum point-of-purchase impact. Inspired by the Hawaiian noni fruit, also called *Morinda Citrifolia*, the resulting graphics display a lively green, orange and yellow color scheme with noni fruit and palm-leaf elements printed in seven colors. A neckband made of clear polyvinyl chloride (PVC) was added to provide tamper-evidence. Stratis preferred a PETG label because its characteristics allow it to shrink easily to the contours of the bottle, while the high-gloss impact of the film enhances the graphics' intensity. The total package makes for exceptional shelf impact and sets the juice product apart from competing products, Stratis says. Echoes David Love, general manager of Seal-It, Inc., "The label has had such an impact on sales that we've been told that there are other projects planned for additional products."

Gum sphere provides a design to chew on

Cadbury is "having a ball" with its one-of-a-kind, new chewing gum package. Cadbury France's Hollywood gum, also marketed in Spain under the Trident brand and in Northern Europe as Stimorol, has been introduced in a clever, new spherical, hinged dispenser pack containing 70 pieces of chewing gum instead of the 10 or 20 usually offered in conventional stick-packs and blister-packs.

"The idea of the new package is to create a new pattern of gum consumption," reports Fabien Guyot, packaging development manager at Cadbury Schweppes' EMEA S&T Gum and Mints Div. "Rather than carry the pack with them, people can leave one at home, in the office, or in the car, creating points in their daily routine at which they can enjoy the pleasure of chewing gum."

The plastic sphere is designed to tap into the fast-moving growth in the gum market, he says. "We chose the spherical form at an early stage," he says. "It made a sleeve [label] the obvious choice. The sleeve provides visible evidence to the customer that the product has not been tampered with in any way, and it is the ideal medium for providing full on-pack information."

Cadbury chose film sleeve labels from **Sleeve Int'l. (www.sleeve.com)**, which says it assisted with the project from the initial design to the choice of labeling film to the production and application of the sleeve. Guyot says he is particularly pleased



with the level of cooperation achieved between the companies during the package/product's development. "We could take full advantage of their expertise, with constant feedback to make us aware of the technical possibilities and how to take full advantage of the Sleeve system," he says.

Though carried over from flat drawings, the sleeve labels hug the ball-shaped gum dispenser without distortion or loss of detail, Guyot says. The new sleeve labels are Sleeve's advanced SI-OPS-TF/060 film, which it says has maximum tear-resistance to ensure product safety.

"SI-OPS-TF/060 can take the micro perforations that we used to make sure the product can be opened easily while ensuring that it remains clean," he adds. "The film can be shrunk onto the pack using an ultraviolet system, rather than steam, which ensures that there is no chance whatsoever of any damage to the product during the packaging process."



Kono Barú turns the wine world upside-down

In a bold move to promote its new line of wines from the Southern Hemisphere, Don Sebastiani & Sons has released Kono Barú—complete with an upside-down label. "It's well known that we like to market our wines with nonconforming labels," says marketing director Don Sebastiani, Jr. "I guess you could say we really went head over heels with this one."

The initial release of Kono Barú wines features six varietals (Riesling, Cabernet Sauvignon, Chardonnay, Sauvignon Blanc, Malbec and Shiraz) grown in noteworthy appellations such as Mendoza (Argentina), Casablanca (Chile) and the Barossa Valley (Australia). The line eventually will be expanded to feature additional varietals from other exotic Southern-Hemisphere locations. "Kono Barú was inspired by the Latin *cono baru*, which translates as "horned fool." It's pirate slang for someone who does something crazy, Sebastiani explains. "We thought it was rather fitting, considering our own reputation for offbeat, funky names and contemporary label designs," he says. Kono Barú is marketed nationally through the Don & Sons' Three Loose Screws portfolio.

new products equipment

Vivo! Photo-Quality Digital Label Printer

5,000 Labels? This Afternoon? No Problem!



The Vivo! electrophotographic label printer offers photo-quality label printing at high-speed, and is designed for businesses that require moderate or high volume production of photo-quality labels. For printing private label and special version product labels in short-runs, the Vivo! digitally prints labels at a speed of 2 linear inches per second in 600 dpi CMYK color. Cost-effective for production quantities up to 15,000 labels per batch. The Vivo! is a toner-based electrophotographic printer, similar to a laser printer, and prints onto paper and synthetic label materials. Printed labels are extremely resistant to fading, abrasion, and moisture.
QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Fastest Industrial Color Label Printers



QuickLabel's QLS-8100 Xe, QLS-4100 Xe, QLS-3000 Xe, and QLS-2000 Xe digital color label printers produce color labels faster than any other tabletop printers on the market. These offer the greatest ability to rapidly process and print variable content, where successive labels have totally different text, graphics, and barcodes. Print as fast as 7 linear inches per second in 4 Spot Colors or in CMYK Process Color at 300 dpi resolution onto labels and other rollstock up to 8.3" wide. Use Custom QuickLabel® software or print from other software using the Windows® driver.
QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Label & Ink Supplies



QuickLabel® manufactures labels, inks, and thermal transfer ribbons for every label printer brand. We have labels in 1000s of shapes and sizes, and dozens of materials and price ranges. We'll drop-ship to your customer or deliver to meet your own needs.
QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Barcode Printers with Lifetime Warranty



QuickLabel's Pronto! family of barcode labels printers make it easy to print single-color product labels and shipping labels. Sold with Lifetime Warranty, QuickSwap™ Loan, Repair & Replacement Service, and 24-hour Customer Support.
QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Label Printing Services



QuickLabel offers two services: the QuickPrint service, using QuickLabel's short-run label printers with fast turnaround and low minimum order quantities, and the QuickFlex service, using flexographic presses.
QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Print Your Labels Out-of-the-Box

Zeo!

Inkjet Digital Color Label Printer



Hello. :-) Do you have great ideas for custom product labels that your customers will love? An idea for a new product, or a "new look" for the labels on your existing products? Wouldn't it be great to be able to see your new labels printed right away, in the exact quantity you need? The good news is that you can, with the Zeo! inkjet label printer.

You can use the Zeo! to print your own custom labels in minutes – right out-of-the-box – in fantastic Zeo-istic Color™. Print as much or as little as you need, whether it's one label or 1,000 labels. Print on any label shape or size. Print 150+ labels an hour! The Zeo! is fun to use, and backed with our Lifetime Warranty and 24/7 Customer Support.

www.QuickLabel.com • 877-757-7978

QUICK LABEL SYSTEMS

The Labels You Want When You Need Them®

Inkjet
Technology by
hp
invent



Little label printer, big ideas™ :-)

design trends healthcare



A clean look for wipes

Be it at school, office, vacations or elsewhere, HBA Mfg.'s easy-to-use, portable wipes under the iCare brand get a package redesign as they move to compete with other top-tier brands. The products are about to roll out nationally in large drugstore chains. Consumers can carry the high-density polyethylene canisters and polyethylene pouches (a liquid hand sanitizer also comes in 2- and 8-oz polyethylene terephthalate bottles) along to handle numerous

health and beauty-care needs. This spring, HBA expanded the brand of antibacterial wipes to include several new versions for cosmetic/facecare, childcare, eyecare and healthcare. Using a design architecture from New York-based **Moxie** (www.moxietm.com), HBA redesigned the original package and created a look for the new products. A new landmark in a bold font commands shelf attention and evokes the softness of the product. The lettering is printed in silver foil. The packs contain 15 to 16 wipes, depending on the variety. The antibacterial version retains an orange color scheme that communicates their citrus scent. A color gradation on the label, a stylized orange graphic and clean, crisp typography add to the premium image. Primary colors in the graphic design call attention to the kids' wipes product, while the makeup remover cleansing towlettes are distinguished with pale green and blue shades. A gender-neutral metallic silver and blue gradient label gives a premium look to the lenscare wipes.

Says Moxie's creative principal, Tammy Vaserstein, the redesign results in a premium, cohesive look.

Sealed Nozzle System

A LOW MAINTENANCE INK JET PRINTER... IS IT POSSIBLE?

The **JET2SE** features a retractable gutter which creates an air tight seal over the nozzle eliminating ink from drying in the nozzle. This revolutionary design is far superior to traditional flush nozzle systems.

- **Quick Start Up and Shut Down** (even during intermittent use)
- **Excellent for Pigmented Applications**
- **Minimal Cleaning and Make-Up Use**

IT IS POSSIBLE!

Leibinger, a family owned business since 1948 and a premier manufacturer of security, industrial and commercial printing solutions, introduces the **JET2SE** - the only low maintenance ink jet printer on the market today.

LEIBINGER

Phone: 203.853.0022

E-mail: info@leibingerusa.com • www.leibingerusa.com

Pump dispenses Stella McCartney's skin cleanser as a rich foam



The creators of Care by Stella McCartney, a luxurious new line of organic skincare products, have selected **Rexam's** (www.rexamairspray.com) F2 Finger Pump Foamer for its Purifying Foaming Cleanser, underscoring the growing popularity of foaming skincare products

in pump containers. The eight-item line is the brand's first entrance into the skincare market. According to Rexam, industry research shows that sales of natural and organic cosmetics are projected to surpass \$1 billion for the first time this year and that the category is growing at 20 percent annually. Creating foam without the use of gas propellants, the patented technology in the F2 mechanical pump allows for the precise mixing of liquid and air, resulting in a dose of foam with each stroke, notes Rexam. The instant, one-touch foamer actuator pump transforms the liquid cleaner quickly and easily into a creamy, rich, foam every time the pump is pressed.

design trends

Ice cream labels with a twist



England's Hill Station revved up the branding and packaging appeal for the Loseley Ice Cream line with the help of British design agency **Pemberton & Whitefoord** (www.p-and-w.com). The design firm helped to create a fresh look for the ice cream canisters that also covers point-of-sale,

van sides and a new website. In answer to Hill Station's call for updated visuals and brand values, the revision doesn't appear "too pompous or stuffy." Stuffiness indeed, as the tongue-in-cheek design is quite the opposite, with humorous but artful, specially commissioned portraits, each by a different artist, that wrap around the canister sidewalls. At first glance, the painterly portraits seem to be old masters, but on closer inspection, they reveal a subtle and humorous twist. The quirky reproductions create a unique humor around the brand while back-panel copy expands the theme in the form of a "potted soliloquy," singing the praises of each subject's favorite flavor in a dotty and eccentric tone.



The Jotipac 520-mL silk-finish containers are supplied by **Superfos** (www.superfos.com), with film labels offset-printed in five colors plus varnish by **Verstraete** (www.verstraete.be) in Belgium.



"The packaging design is based on portraits of dapper, dour and demure, gentrified folk, tucking into their favorite Loseley flavor in their own idiosyncratic style," explains Adrian Whitefoord, founding partner of Pemberton and Whitefoord. "Overall, the [labels] have a National Portrait Gallery feel to them, and one could imagine them hanging in any grand English country house." The label graphics manage to look stately, but put a smile on your face, says Hill Station, while they still remain true to the brand's heritage.

PET oval provides a 'method' for floorcare

Method Products, San Francisco, a brand available at Target stores, relaunched a line of floor cleaners in a functional, ergonomic oval PET bottle from **Amcort PET Packaging** (www.amcor.com). The All Floor Cleaners come in a 25-oz bottle size that's a larger extension of the company's Omop system, which features a starter kit in an oval carrying pack (the kit contains a disassembled mop, a microfiber mop pad, compostable sweeping cloths and a 14-oz round bottle of cleaner). When it comes to Method, esthetics play a huge role in breaking away from the utilitarian look often associated with household products, in favor of whimsical, sleek designs that can pluck the products out from under the sink and up onto the top of the counter. Method also has a strong environmental stance that includes the use of biodegradable ingredients in its formulations and recyclable packaging.



In keeping with its esthetic and function mantras, Method challenged Amcor to push the blow-molding envelope to support the relaunch of the new cleaner in an oval bottle shape. "The previous cleaner was in a non-Method-looking shape, and we wanted to change that to be more consistent with our design philosophy," explains Jason Crouch, a company product manager. "Initially, the Omop bottle we conceptualized for the relaunch was round, but we found that it didn't give us the shelf 'pop' we wanted." The company then designed the unique, raised-oval bottle and challenged Amcor to develop a unit tool for it. The bottle has a curved, oval perimeter and an oval label panel that could push the dimensional manufacturing envelope for any molder. "Our goal was to be able to blow a 'clean' bottle without unsightly 'touchmarks'—and allow for efficient labeling," says Crouch.

Amcor worked with Method on ideas to solve the capacity and dimensional issues and to help redefine the maximum parameters of the indentation so that the bottle could be consistently blown, yet provide the right esthetics and functionality. The resulting container for Lemon Ginger and Wood for Good Almond was launched early in 2007 and has met with a positive response, says Crouch.

Classic sodas get retro bottle

Northeastern soft drink bottler Polar Beverage, Worcester, MA, offers private-label sodas and partnership brands throughout the country. To quench the thirst of today's consumer with a flourish of "retro flair," Polar Beverage launched a new product line in May called Polar Classics. Its bottle of choice? An 11.5-oz glass long-neck from **Vitro Packaging, Inc.** (www.vitro.com). After 10 years away from glass packaging, Polar Beverage understands that today's marketplace is craving packaging that's different and innovative. Polar wanted to create high shelf impact while presenting consumers with a vintage, retro image. VitroSolutions assisted with the creation of a new glass container presentation for Polar Beverages' Root Beer, Diet Root Beer, Vanilla Cream, Orange Cream and Black Berry soda flavors. The tapered bottle has a distinctive, bulb neck and a twist-crown finish that harks back to the 1950s and 1960s. Rounding out the presentation are visuals for the Polar Classic brand incorporating Vitro's three-color Applied Ceramic Lithographic screen-printing process. The decoration features an oval, front-panel label design and the bottler's polar-bear graphic motif. VitroSolutions also provided a crown closure and paperboard six-pack carriers.



Chunk cheese opens with ease

Chunk cheeses from San Antonio-based H-E-B Grocery Co. now have an easy-open package with wraparound graphics, courtesy of **Curwood's** (www.curwood.com) Clear-Tite® Surround® shrinkable bags. With low haze and high gloss, the bags feature toughness and high barriers engineered to protect the cheeses through shipping and refrigeration, and they have an EZ Peel® opening. The EZ Peel system allows each bag to open at an engineered peel point

without the use of knives or scissors, yet the bag is said to exhibit uncompromised sheer, puncture and seal strength to guard freshness and flavor. The family of seven private-label, 2-lb cheeses stands out in the dairy case with color-coded, jewel-toned, flexo-printed graphics in four process plus four line colors around the entire perimeter of each bag. Curwood says the 360-deg Surround printing technology enhances branding by eliminating "no print zones."



design trends

Restaging Suave package proves profitable

You don't always get what you pay for. In Unilever's case, with the recent restaging of its Suave® Naturals line of botanically based shampoos and conditioners, it got much more. Working closely with structural packaging designer **4sight, Inc. (www.4sightinc.com)**, Unilever embarked upon the

project two years ago with what 4sight president Stuart Leslie says was a "crystal-clear" objective: to find incremental cost savings throughout the Suave packaging system. But what resulted was a bottle-and-cap design

that not only significantly reduces the company's manufacturing costs, but also provides a greatly enhanced brand image that has led to a growth in sales.

Central to the success of the restaging, relates Leslie, was

Unilever and 4sight's comprehensive evaluation of Unilever's existing packaging and filling processes. Through observation, they determined that maximum filling efficiency would be gained by replacing Suave's existing cylindrical bottle with one that was round in those places where it made contact with the equipment. The bottle's sides are contoured, giving the container a subtle, feminine, hourglass shape and making it easier for consumers to grasp with wet hands in the shower.

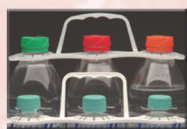
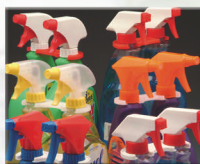
To reduce material costs, 4sight designed the new bottle—in a 15-oz size and a 24-oz family-size version—with a stronger top-load ability and a shorter finish height with a snap-on cap, eliminating much of the plastic typically used for the neck thread. A shorter, wider cap also reduces material use and it handles better during unscrambling. The shampoo bottles are made from a clear polyethylene terephthalate and are supplied by **Matrix Packaging (www.matrixpackaging.com)**, while the conditioners come in opaque-white high-density polyethylene bottles from Matrix and **Alpla (www.alpla.com)**. The polypropylene caps, which 4sight convinced Unilever to change from a Suave-blue color to a more elegant, clear, pearlescent look, are supplied by **Sequist Closures (www.sequistclosures.com)**.

Also key in the redesign, adds Leslie, was an understanding of Suave's consumers and their expectations. "Suave products are targeted at the smart consumer," he says. "The challenge was to find a look that conveys quality without making consumers feel like they are overpaying for the product." The design they chose, he notes, integrates visual cues of shape, color and texture, without frivolous decoration, to communicate Suave's positioning of quality and performance at a great price.

Upon its launch, Suave Naturals' new packaging was met with enthusiasm, reflected by a 3-percent increase in dollar sales. Says Eric Yoch, senior brand development manager for Unilever, "Not only is the major redesign of our relatively generic bottle a major win with our consumers, but the added production efficiencies and cost savings for Unilever made it a true win-win situation."



Turn-Key Systems



PakTech Delivers

- *what consumers demand:*
good-looking, eco-friendly, easy to carry, easy to remove handles.
- *what processors demand:*
cost-effective in-line equipment with minimum downtime and maintenance.
- *what YOU demand:*
flexibility, quality, and excellent customer service and equipment support.

Look no further for your sustainable packaging handle solutions-

We can Handle it!

(541) 461-5000

www.paktech-opi.com

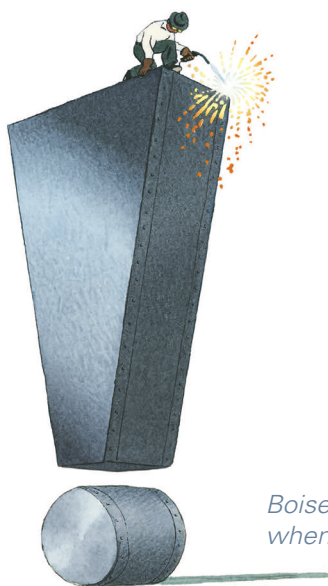




Innovation isn't just what you add on. It's also what you leave out.

Introducing EcoOGR™
Fluorochemical-Free Oil
and Grease Resistant Paper.

Sometimes, it's what you don't do that makes all the difference. Case in point: Boise EcoOGR™. We didn't treat it with any fluorochemicals. The result is a strong, high-density sheet made with naturally occurring, renewable resources. One that meets FDA regulations for direct food contact, while providing the same oil and grease resistance as traditional packaging options. Good for you, good for your customers. That's more than innovation, it's Boise EcoOGR. To discover the complete range of EcoOGR applications or to order samples, visit www.BoiseEcoOGR.com or call us at 1-877-366-3161.



*Boise EcoOGR. It's what happens
when you refuse to think small.*

BOISE®

Beyond What's Expected.™

comment

Lauren R. Hartman, Senior Editor

RFID's packaging demands moderate, but steady growth is forecast

While the use of radio-frequency identification technology in packaging hasn't exactly beat the band yet, as was first anticipated back in 2001 when Wal-Mart announced its supplier mandate, tag vendors are still being tested by heavy investments in production capacity, and anticipated faster growth in demand than has actually materialized. Findings from a May report by Frost & Sullivan (F&S) indicate that the North American RFID reader market generated revenues of \$23.1 million last year. That market will grow to \$241.6 million in 2013, predicts F&S,

representing a compounded annual growth rate of nearly 40 percent. But the reader market is still primarily driven by Wal-Mart's mandate and the U.S. Department of Defense compliance mandate, F&S indicates. "Continuing mandates from Wal-Mart and other retail stores as well as the U.S. Department of Defense to all their suppliers to tag their items is a major driver for the U.S. RFID reader market and the RFID industry in general," says Priyanka Gouthaman, an F&S analyst.

Yet May's RFID Journal Live! 2007 event in Orlando provided a barometer on the technology for users, vendors

and analysts who gathered there.

The exhibits and presentations were well-attended, and the end users are becoming more sophisticated about RFID technology.

While many companies remain at the pallet/case-tagging stage in the technology, others are moving ahead. The conferences exemplified some of the progress: Purdue Pharma's adoption of near-field, Gen 2 UHF, RFID tags into its pharmaceutical packaging lines to boost efficiency and security, and Cardinal Health's move to equip a pharmaceutical distribution center with RFID technology by the

fall, in preparation for legislation requiring tracking and tracing of drugs distributed in that state. And Kimberly-Clark is using an RFID-powered inventory forecasting system to reduce out-of-stock merchandise on store shelves. Speakers emphasized that the more specific, focused and narrow the RFID objective, the better chance it has to succeed.

Editors note: New Editorial Director John Kalkowski launches "Packaging by Design," a blog examining the effects of evolving design trends. Visit www.packagingdigest.com/blogs.



A WORLD LEADER IN INNOVATIVE COATING TECHNOLOGIES



Call ECP for your Contract Converting Needs



- In house product development and testing services including lab co-extruder
- Extensive experience with woven, non woven, paper, film & foil coating, lamination and printing
- Food packaging, form fill & seal, sugar pouch, paper/poly/foil, industrial wraps, ream wrap, films and much much more!



- Extrusion coating and lamination up to 160" with CoEx capabilities
- High speed automated slitting/rewinding from 1.5" up to 170"
- WIDE FLEXO - 2 colors up to 175", 4 colors up to 135" 10 color 150 line screen up to 61"

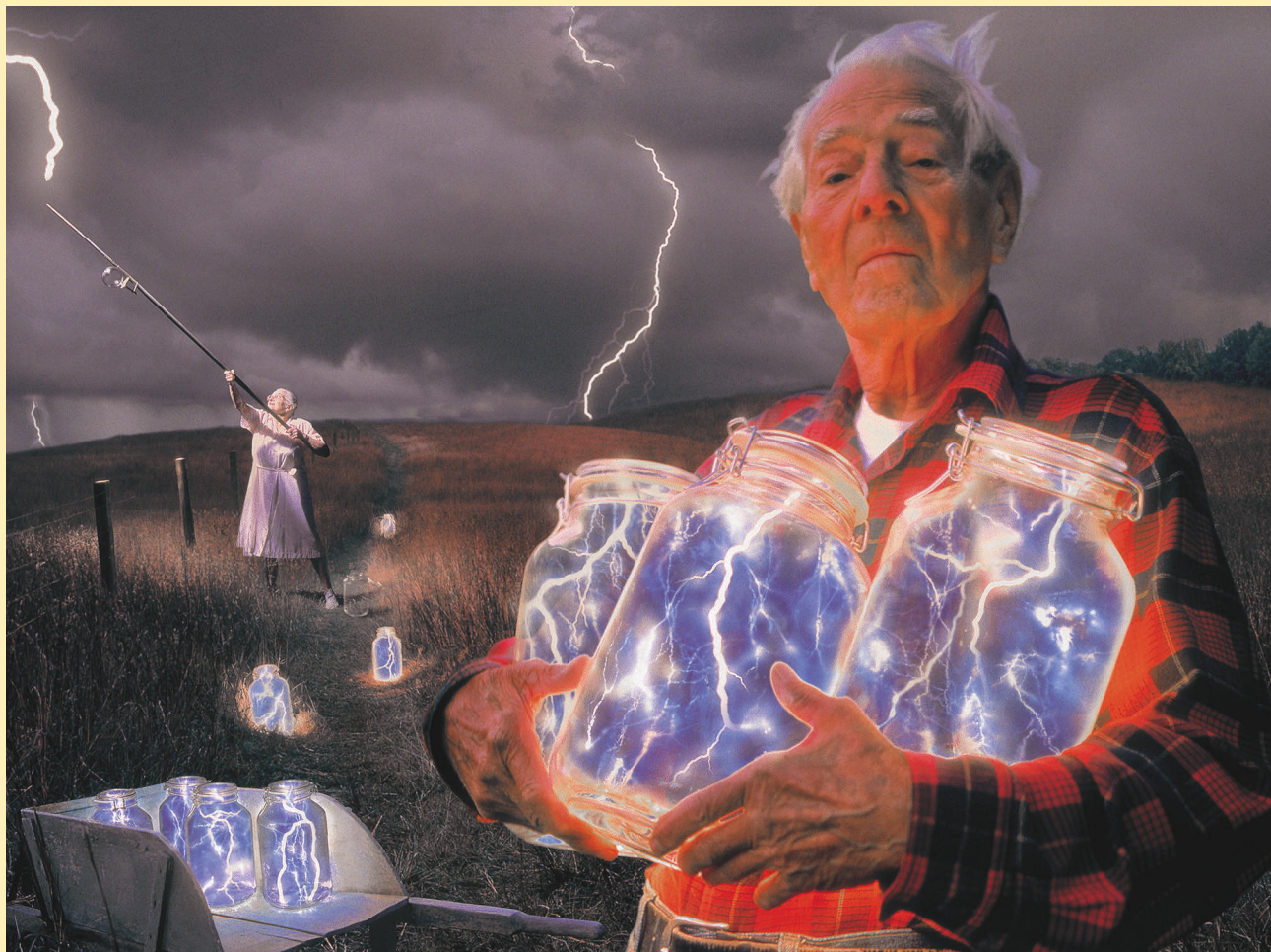
8 Poly Extrusion/Lamination Lines, 10 Flexo Lines, 20 Slitting/Rewinding Lines

Canadian Locations Coast to Coast

Contact Paul Grass at 1-888-353-9421 ext 466

Langley BC, Brantford ON, Truro NS

email sales@ecpinfo.com



At Kaeser, our tradition of saving energy goes back generations.

We didn't start engineering the world's most energy-efficient compressors when it became the "in" thing to do. And now – when it matters more than ever – our eight decades of design innovation and fine-tuning translate into systems that are up to 25% more energy-efficient than the competition.

That adds up to a lot of valuable energy ... and bottom-line dollar savings, too. Enough, in fact, to pay for your compressed air equipment many times over.

With age comes experience. So, when you're comparing compressor performance and reliability, it pays to remember the lengths we've gone to ... for generations.



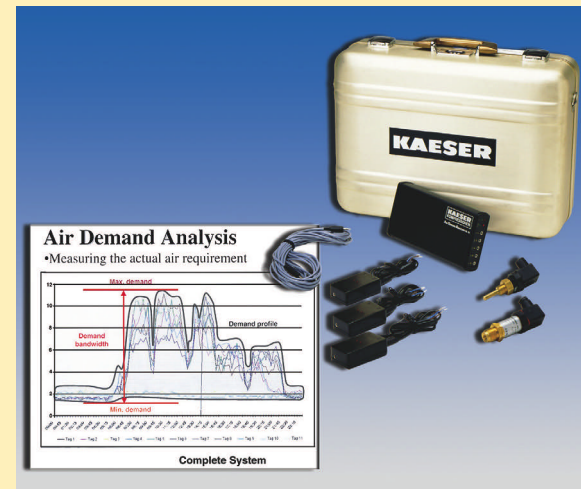
KAESER
COMPRESSORS

Built for a lifetime.™

www.kaeser.com/sigma
(866) 516-6888



Kaeser Compressors, Inc., Fredericksburg, VA USA ■ (866) 516-6888
Built for a lifetime is a trademark of Kaeser Compressors, Inc. ©2007 Kaeser Compressors, Inc.



Air Demand Analysis

- Complete air system audit to create a detailed air usage profile
- Charts air flow, power consumption, and system pressures
- Optimize your facility's day-to-day operations by knowing your demand

www.kaeser.com/ada or (866) 516-6888



Rotary Screw Air Compressors

- Superior reliability
- From 3 to 600 hp
- Pressures from 80 to 217 psig
- Saves up to 20% in energy costs
- Many models with integral dryers

www.kaeser.com/sigma or (866) 516-6888



SmartPipe™

- Aluminum compressed air piping, no rust or corrosion
- Lightweight materials and push-to-fit connectors for quick and easy install

www.kaeser.com/smartpipe or (866) 516-6888



Variable Speed Compressors

- Maximum efficiency for variable compressed air demand
- Available from 10 to 335 hp
- Precisely control pressure to ± 2 psig

www.kaeser.com/sfc or (866) 516-6888



Tri-Lobe Blower Package

- Rotary tri-lobe blower in a compact, sound dampening enclosure
- Noise levels as much as 20 dB(A)
- Easy access maintenance points

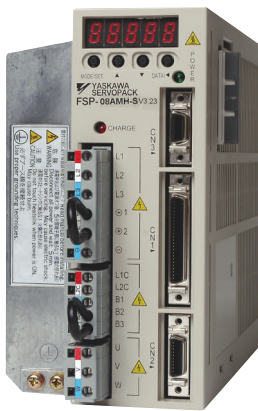
www.kaeser.com/omega or (866) 516-6888

new products equipment

Servo amplifier

The Sigma II Series servo system is expanded by the co. with the introduction of the Sigma FSP (Flexible ServoPack) amplifier. Built on the co.'s Sigma II SGDH amplifier power platform, the FSP is said to provide built-in position control for simple indexing operations, electronic gearing and cam-profile following, in addition to the standard analog and pulse input of the Sigma II series. FlexWorks, the FSP setup software, features single-button auto tuning, a digital oscilloscope, FFT mechanical analysis and wizard setup of amplifier mode, units and I/O.

Yaskawa Electric America, Inc., 800/927-5292.
www.yaskawa.com



Braille inspection

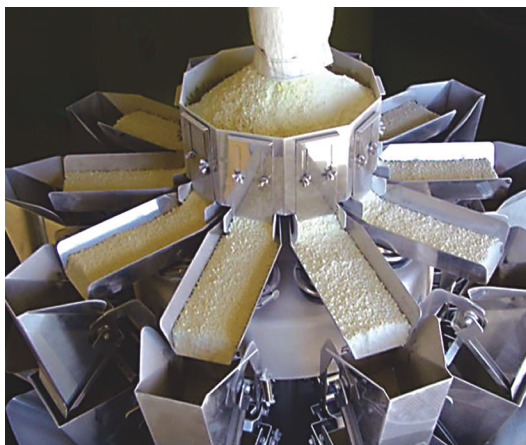
A recent mandate in Europe dictates that pharmaceutical cos. include Braille on all medical cartons, effective in 2010. To facilitate this process, the co. has integrated Braille inspection into all of its automated proofreading product suites. Its technology is designed to inspect artwork and documents in any format for errors to increase proofreading accuracy, speed and process efficiencies. The Braille detection—integrated into all of the co.'s content-verification solutions—has been designed to work in both hard copy and electronic environments and detects any type of difference, such as color, location and/or missing, added or misplaced text, the co. says.

Global Vision, 800/501-0511.
www.globalvisioninc.com

Disconnect enclosures

The co. offers NEMA-rated disconnect enclosures from Hubbell/Wiegmann that range in size from 20 21 8-in. wall-mountable, to 84 197 18-in. heavy-duty, free-standing units, available with a full line of adapter plates and accessories. The NEMA 12-rated SDN 12 Series single-door, wall-mountable, disconnect enclosures are constructed of 14-ga steel bodies and doors with plasma-welded seams. The NEMA 12-rated ABN12 Series single-door, wall-mountable, flanged disconnect enclosure is designed to house Allen-Bradley 1494F flange-mounted disconnect switches and Bulletin 1494D flange-mounted operators for circuit breakers. NEMA 4X single-door wall-mountable enclosures are also available. Other models include the SSN4X Series, the WAX and WACPX heavy-duty NEMA 12 floor-mount disconnect enclosures and the heavy-duty NEMA 12 freestanding WAXM Series.

AutomationDirect, 770/889-2858.
www.automationdirect.com



Weighers

New economy-priced DP Series weighers are said to deliver constantly accurate weigh-filling of powdered products, such as drink mixes, coffee, milk and detergent. The model CCW-DP-210 features steeply angled infeed and discharge chutes to maintain a constant flow of powders. Leak-proof hoppers assure consistent accuracy of ± 1 g, at speeds to 60 weighments/min, while a double-opening discharge-timing hopper ensures fast transfer to bagmakers and other packaging machinery, the co. says.

Heat and Control, Inc., 800/227-5980.
www.heatandcontrol.com

Hot-melt hoses

A line of hot-melt hoses features high-quality thermal insulation and precision temperature sensors the co. says. The co. adds that the external covering consists of rugged, multilayer materials, braided and corrugated for maximum flexibility and protection, with an internal PTFE thick-wall liner with a stainless-steel-reinforced design providing superior chemical-resistance, strength and char-free operation. The hoses are CE-certified.

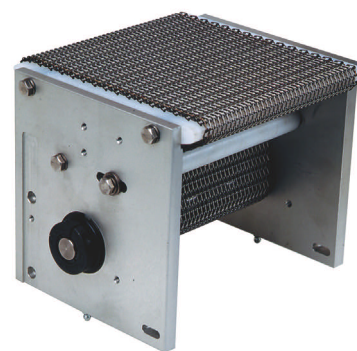
Shure-Glue/Melton Systems, Inc., 513/874-5581.

www.shure-glue.com

Conveyor transfer

The Model CTU is offered as a conveyor transfer that eliminates the dead zone at large-radius conveyor pulleys, as well as bump-and-run. The co. suggests that the transfer is designed for rigorous punishment of round-the-clock production and is powered off the user's conveyor.

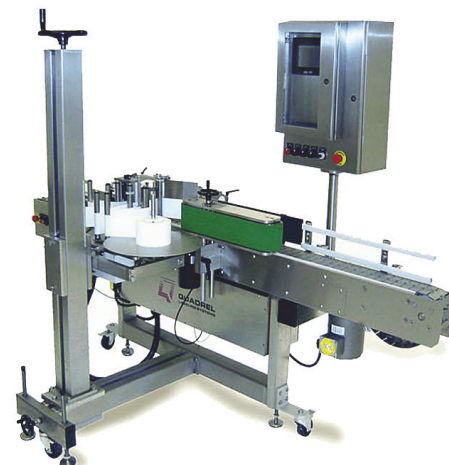
PSA, Inc., 763/473-1032.
www.psautomation.com



Labeler

Including a conveyor, a labeling head and support, a wrap station and rails, a new labeler is reportedly built of 316 stainless steel and is designed for hazardous environments. The co. says the system applies wraparound labels to a wide variety of glass and plastic cylindrical containers ranging from 1 to 4 L, and can be modified to apply front/back labels.

Quadrel Labeling Systems, 800/321-8509.
www.quadrel.com

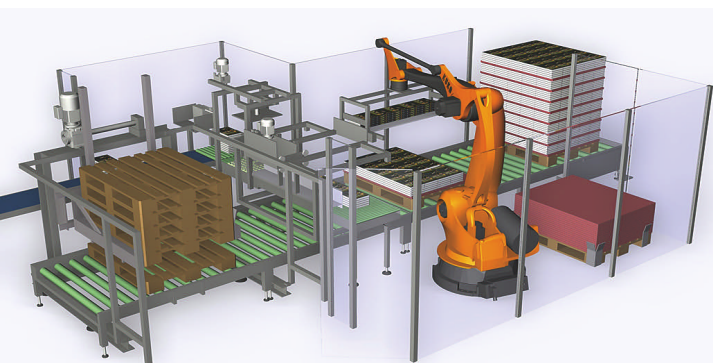


Book palletizer

The A+F Book Palletizer debuts, with the co. claiming it handles rows of stacked books for palletizing in columns or RSC cases, or in various pack-pattern combinations from one infeed conveyor managing two products of different sizes and heights. Individual layer patterns are reportedly created automatically.

PacSys Packaging Systems Solutions, 860/599-1658.

www.pacsys-usa.com

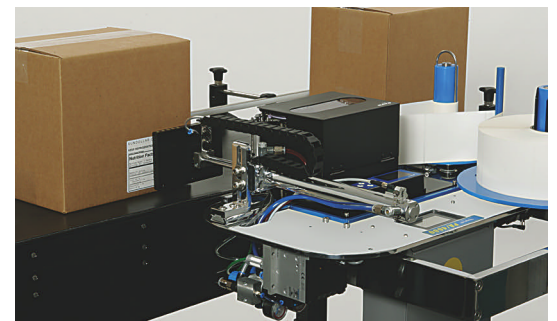


new products spotlight

RFID

Scanner for high-density codes The AXIOM-X™ is now available in a version that can read challenging, high-density bar codes without the need for complex, time-consuming focusing steps, the co. says, while enhanced decode software reduces the number of no reads, even in the most demanding applications. These improvements enable the AXIOM-X to be used in a broader range of applications and provide the highest read rates for most bar-code densities, the co. says. They also make the AXIOM-X the most advanced omnidirectional laser bar-code scanner available today while still providing the lowest total cost of ownership with a maintenance-free design, the co. says. The AXIOM-X has a scan rate of 1,120 scans/sec to ensure the highest possible read rates on both good- and poor-quality codes. Most applications require only a single scan head.

Accu-Sort Systems, 877/274-7343.
www.accusort.com



Printer/applicator A mid-range, automated RFID printer/applicator is introduced, capable of performing encoding rates of 32 products/min with reject capability. This system incorporates the patented TampTenna™, which allows RFID encoding to be performed outside of the printer on the tamp pad itself. The full system is delivered with the PA/4600 unit, the RFID TampTenna, a reject module, a warning tower and a stand for \$9,500. If higher application rates are required, a PA/6000 RFID system is available, which handles rates in excess of 100 printed, encoded, and verified tags/min. The PA4600 RFID is part of the co.'s Platinum Series.

Diagraph, an ITW co., 800/722-1125.
www.diagraph.com

RFID system BL ident is said to be the first modular, industrial RFID system with built-in I/O capability. With BL ident, users may add up to 8 I/O channels on one gateway. Built on the ISO 15693 13.56-MHz-HF (high-frequency) standard for an open system, BL ident can be integrated into existing platforms and supports Profibus-DP, DeviceNet, Modbus TCP, Profinet and EtherNet/IP. It's also the first in the industry to introduce high-temperature data carriers rated up to 410 deg F, the co. claims.

Turck, Inc., 800/544-7769.
www.turck.com

SINGLE-SOURCE SOLUTIONS RIGHT DOWN THE LINE

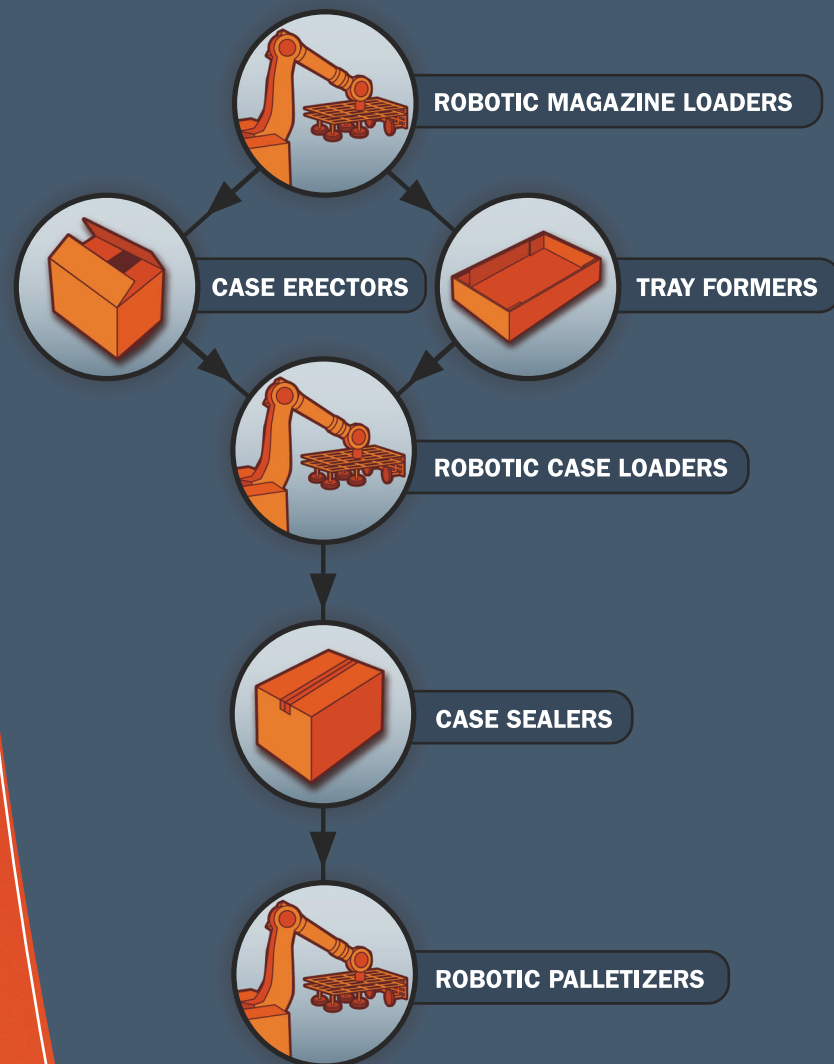
"Pearson's commitment to our customers is simple... to offer unprecedented levels of value and reliability in the design, manufacture, and support of complete end-of-line packaging solutions. Our implementation of lean manufacturing, Six Sigma, and one of the most extensive field service organizations in the industry allows us to offer shorter lead times, reduced Total Cost of Ownership, and higher levels of Overall Equipment Effectiveness than our competition. Combine this with pricing that is competitive with manufacturers that don't offer these benefits, and Pearson represents one of the best values in the packaging industry."

Michael A. Senske, President & CEO



PEARSON
PACKAGING SYSTEMS

Innovation
In Every Case



Call 1.800.732.7766

to find out how Pearson brings you
single-source solutions, right down the line.

www.pearsonpkg.com

new products

Digital displays A new line of 5-digit programmable LDA digital displays for analog inputs is said to be made in 2¼- and 4-in.-H red LED digits with readability to 130-ft and 180-ft distances, respectively. Reportedly produced as volt, current or process meter with scaling, RS232/RS485 serial communications and dual C relay outputs, the LDA offers lightweight NEMA 4X case enclosures, the co. adds.

Red Lion Controls, Inc., 717/767-6511.

www.redlion-controls.com



Vacuum pouch sealer

The B400 belted chamber system features a hygienic design with vacuum ports built into the lid and retractable side skirts for easy cleaning. The height-adjustable seal bars are water-cooled and bi-active, making the system suitable for shrink-bag applications, the co. notes. Equipped with the co.'s advanced MC96 II controller, the B4000 also offers special vacuum programming to suit the packaging requirements of wet products or cheeses with holes.

Multivac, Inc., 800/800-8552.

www.multivac.com



Keep It Moving.

Wide Selection

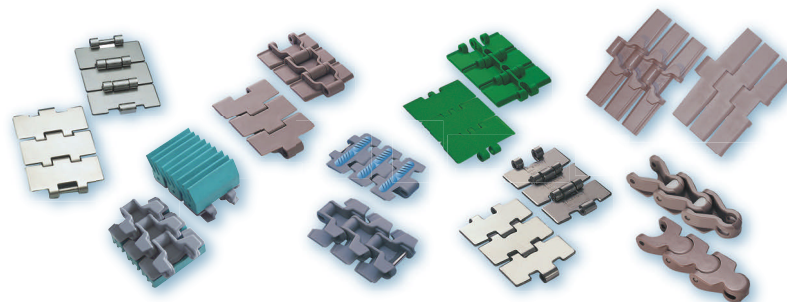
Flexon-System Plast conveyor chains give you the options you need to make the right choice. Our stainless steel chains come in many grades and surface finishes. Thermoplastic material choices offer solutions for every conveying need. The New Generation-NG chain has become a star performer in the beverage industry due to its lower wear rate, lower friction, and lower noise levels.

Long Life

Our chains are made to the highest quality and performance standards. Based on laboratory research and extensive field experience, Flexon-System Plast has developed a range of chains that are state-of-the-art.

One Call

Each chain we offer has accompanying components that have been designed for compatibility. The best sprockets and track guides for Flexon-System Plast chains come from Solus. These product groups are comprehensive, industry proven, and available to you from one source.



Flexon-System Plast chains benefit from extensive product development and field experience.

Accelerating Production Through Innovation

Solus
A System Plast Group Company

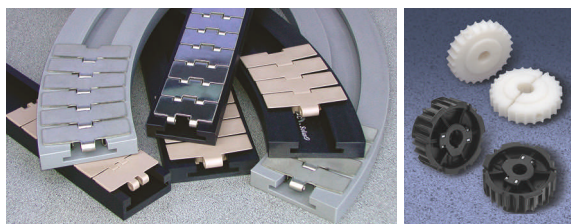
30152 Aventura
Rancho Santa Margarita, California 92688

Aston, Pennsylvania
Indianapolis, Indiana
Sanford, North Carolina
Tlajomulco de Zuñiga, Jalisco, Mexico

www.solusii.com

Visit your nearest distributor or call Solus Customer Service:

(866) 765-8744 fax: **(866) 447-6587**
Solusii 44 Solus



Software EASYLABEL®

5.6.0.1140 software, running under VISTA, has been released by the co. The new version of product identification, bar-code and RFID software will now install and run correctly on all versions of Windows Vista and x64 Windows operating systems, the co. claims, offering an opportunity for a free upgrade or demo copy for evaluation.

Tharo Systems, Inc., 800/878-6833.
www.tharo.com

Lubricant Cassida® Fluid GLE

is marketed as a new, odorless, tasteless and nontoxic, full-synthetic lubricant designed for food and beverage-canning applications. Reportedly available in ISO 150 and 220, the lubricant is also said to be kosher and halal-certified, does not contain any natural products from animals, nuts or genetically modified organisms, does not promote growth of bacteria or fungal organisms and is certified H1 by NSF Intl.

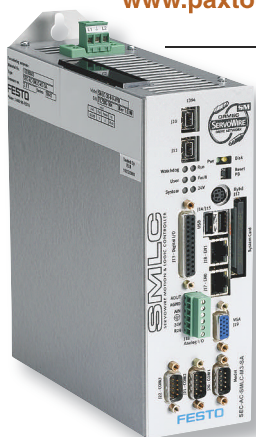
Shell Lubricants, 713/241-6161.
www.shell.com/us/lubricants/

Software application TrakSYS™ 5.0 software is released, in the co.'s words, with both new and enhanced functionality in modeling and configuration, multimode real-time data collection and post-production edits, advanced analytics, messaging and notifications and the foundation for enterprise (multi-site) intelligence reporting and benchmarking. This results in more intuitive tools that can significantly improve manufacturing operation performance.

Parsec Automation Corp., 714/996-5302.
www.parsec-corp.com

Dryer The PowerDry™ system arrives, reportedly designed as a response to efforts to lower energy costs through reduced compressed air use. Said to incorporate a high-performance centrifugal blower, a small 3-hp motor and an FDA-compliant hose carrying air flow to a unique 6-nozzle air tube delivering successive hits of high-impact air, plus a stainless-steel mounting arm, the system offers a washdown-capable design for a wide range of applications, the co. says.

Paxton Products, 800/441-7475.
www.paxtonproducts.com



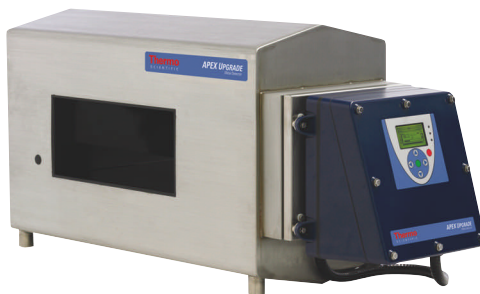
Controllers, drives The co. says its new SEC-AC-SMLC multi-axis controllers are at the center of a complete solution designed to meet most motion control, logic and I/O needs. The SMLC is a fully integrated control solution that provides hardware and software building blocks engineered to plug together and work as a system. Four models

of the SEC-SDD drives are available with continuous output currents ranging from 2.4 to 14 A RMS/phase operating at 115 VAC or 230 VAC. The digital drives make automatic loop adjustments based on the ServoWire® Pro configuration tool.

Festo Corp., 800/993-3786.
www.festo.com/usa

Conveyor The ProSort SRT (smart roller transfer) conveyor is reportedly designed with multiple narrow belts to handle and transfer products as small as 4×4 in. or as large as 24-in. L and up to 20 lb at up to 100 sorts/min, depending on product size. The co. also says that the conveyor is equipped with right-angle pop-up rollers and is designed for two-sided transfer of items to other destinations.

Hytrol Conveyor Co., Inc., 870/974-5642.
www.hytrol.com



Metal detectors

A major upgrade to its family of metal detectors, including Models DSP2, DSP3 and Metal Eliminator products, has been announced by the co., which says the upgrade extends the operational life of the products in the field while improving ease of use, reliability and performance. The co. adds that the new option brings innovation from its new APEX solutions to benefit both older and more recent customers.

Thermo Fisher Scientific, Inc., 800/678-5599.
www.thermo.com/apex

PLC platform The IndraLogic PLC platform is offered by the co. as a universal control system, now with DeviceNet and EtherNet connectivity, and is the latest in its automation family to serve the North American, European and Asian markets. The co. claims users can now choose their dominant Fieldbus with minimal engineering changes, adding that uniform DeviceNet is now available as a scanner in its motion and PLC controllers, its panel-mounted Inline I/O and IP67 Fieldline I/O systems and its IndraDrive servo and spindle drive platform.

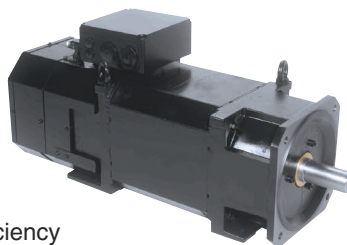
Bosch Rexroth Corp., 800/739-7684.
www.boschrexroth-us.com



Motors

The new Allen-Bradley High-Power Kinetix (HPK-Series) motor is said to combine the efficiency of simple induction motors with the precision of servo-motor technology. It is suggested for material-handling or web-converting applications that require higher power capacities. The co. says the newest addition provides the user with servo-motor precision and performance at the power ranges and prices of induction-motor technology.

Rockwell Automation, 800/223-5354.
www.ab.com/motion/servo/hpkseries.html



World Class Labeling Systems Made in the USA

Every facet... of our manufacturing process is housed under one roof. We offer the most automated, state-of-the-art manufacturing facility in the industry—resulting in an impeccable finished product.

From Semi-automatic applications to the most demanding high speed, high accuracy labeling solutions, we understand your needs. And at CTM, supporting our customers before, during and after the sale is paramount.



Front & Back Label Applicator

- Equipped with rugged stainless steel side frames
- Electronically matched top trap ensures optimum system flexibility
- Variable labeling speeds to 300+ Products per minute
- Easily integrates into existing lines or off line configurations



3600 RW Series Label Applicator

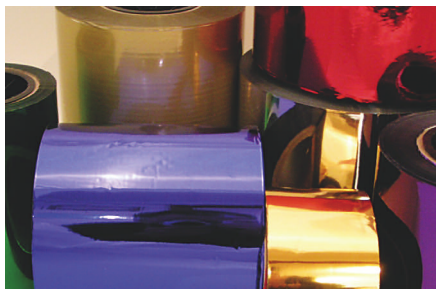
- Reads, Encodes, Verifies, Prints & Applies RFID tags
- Unique reject shuttle mechanism for bad tags
- Supports EPC Class 1, Gen 1 and Gen 2 tags
- Sato or Zebra version available

Contact us today, or visit us on the Web!



1318 Quaker Circle • Salem, OH 44460
Telephone: 330-332-1800 • Fax: 330-332-2144

new products materials



Flexible packaging

Cold foil in 15 shades The KOLDfoil line of cold foils comes in 15 different shades, including silver, gold, blue, red and green. Commercially introduced in the late 1990s, cold foil has become an integral part of flexo printing, the co. reports, and has gained worldwide acceptance in the

label industry. The KOLDfoil formulations are available for the Cure-Tru or conventional cold-foil printing processes and are available in stock for immediate delivery.

Amagic Foils, 215/872-3982.
www.gocold.com

Scalable Hardware – One IEC Software Environment

High End Machine Control
→ 40+ Different Industrial PC Designs

→ IPC [PLC|NC|CNC]

High to Mid Range Machine Control
→ CX Family of DIN Rail Mounted, Solid State, PC-based Controllers

→ CX [PLC|NC]

Mid to Low Range Machine Control → BX [PLC]
→ Mid Range PLC Control with the BX Controller Family
→ Low Range PLC Control with the BC Controller

→ BC [PLC]



TwinCAT Software

- Many controller types – one IEC 61131-3 programming environment
- From basic I/O control, all the way up to CNC, the most complex motion control

→ www.beckhoffautomation.com/



CR blister lidding

Three specifications within the co.'s Safety-Pak® Plus line of blister-pack lidding include: Safety-Pak Plus PP, a peel-push version that utilizes a conventional CR opening process but provides a full-panel peel without tearing; Safety-Pak Plus PL lidding offers a CR, peelable opening process for fragile pharmaceuticals or unique drug-delivery packages; and Safety-Pak Plus LT, a "lock-tight" lidding said to provide the ultimate in CR lidding because it requires a tool such as a scissors to access. All three Safety-Pak Plus specifications utilize the same outer 2-mil white polyester film for high-quality printing. The film can be used with solvent-based, water-based and CSAT inks and in-line printing processes, according to the co, and it offers a broader sealing window that allows for secure seals at lower temperatures.

Alcoa Flexible Packaging, 804/281-2262.
www.alcoa.com/

Shrink-film sleeves

Shrink-sleeve labels have been added to a line of flexible-film packaging services to allow customers to try new graphic concepts and shapes and to bring their products to market quickly. The co. reports that since its primary business is in short to medium production runs, customers can use its sleeves for new label and package development, including trials and test marketing as well as print runs for product launches.

Eagle Flexible Packaging, Inc., 630/876-6763.
www.eagleflexible.com

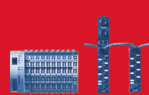
Scalable Hardware Matches your requirements and Budget

- Beckhoff's direct Sales and engineering can help you match the right controllers for your line of machines.
- Program your complete line of machines with one TwinCAT IEC 61131-3 programming environment.
- Development time and cost is greatly reduced using standardized IEC 61131-3 programming.
- Get started programming with a free fully functional 30 day version of TwinCAT IEC 61131-3 software; available at www.beckhoffautomation.com

→ IPC



→ I/O



→ Motion



→ Automation



Beckhoff North America | email: beckhoff.usa@beckhoff.com
www.beckhoffautomation.com
1-877-TwinCAT (1-877-894-6228)

BECKHOFF New Automation Technology



STOP DOWNTIME!

Videojet is putting an end to downtime — with large and small character ink jet, laser, thermal transfer and labeling systems that redefine productivity.

Your demands are not negotiable:

1. Coding and marking will continue 24/7/365.
2. Regular maintenance shall be quick and simple.
3. Quality must be rigorously enforced.
4. Maximum uptime with around-the-clock, prompt service and support.

If these conditions are acceptable to your production line, contact Videojet at www.videojet.com or 800-843-3610 and join the movement.

 **VIDEOJET**®
Uptime Peace of Mind™

Ink Jet • Laser • Thermal Transfer • Labelers • RFID • Supplies • Service



THERMAL-TRANSFER OVERPRINTING saves a bundle for Pennsylvania snackmaker Utz Quality Foods, which is 'chipper' about its move to the new coding equipment for potato chip bags and canisters.

The results keep pace with line speeds, 'sack' downtime and save 33 percent in maintenance.

Crisp chip-bag coding at 140 bpm

Lauren R. Hartman, Senior Editor

Times are changing again at Utz Quality Foods, one of the nation's leading regional snack food manufacturers. When Utz got its start in 1921, William and Salie Utz produced potato chips in their summer kitchen at a speed of 50 lb/hr. Today, it can pack about 1 million packages a day. In the mid-1970s, Utz began to expand its offerings, which today include pretzels, corn chips, popcorn, cheese curls and other tasty treats. At various times of the year, the company also offers snack and party mix product combinations.

Recently, the privately owned and family-oriented company based in Hanover, PA, made a move to thermal-transfer overprinting as the coding method for its primary packages of salty snacks. The reason was simple: It could realize a 33-percent savings on maintenance and reduce

An overprinter on one of Utz's many bagging lines, below, marks the bagstock with a price, a date and Utz-specific information such as a lot number or a manufacturer code, center. The printer controls, far right, are a time saver.

its downtime for code changes. For machine operators, the printing decision is a real time saver, as a code-block change used to take the company a minimum of five minutes, which could become costly downtime for a production line marking 100 to 140 potato chip and snack bags/min. Changing a code before thermal-transfer printers were added to the plant required the assistance of tweezers and



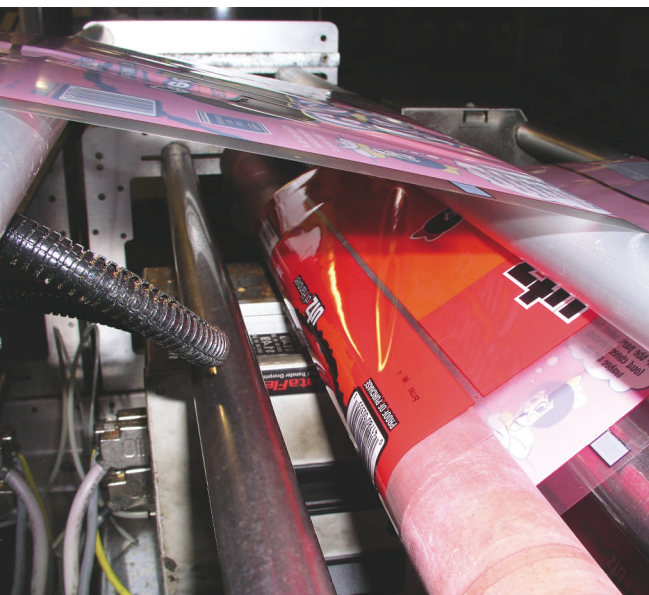
Read how **BLOCKBUSTER VIDEO** updated its packaging operation with new labeling and loading equipment at www.packagingdigest.com/info/blockbuster

wrenches, which only increased the tediousness of the task. If a code was printed incorrectly, the misprinted bags had to be destroyed, and the product had to be repackaged, racking up waste in both materials and time.

That's no longer a problem, thanks to the DataFlex® and DataFlex Plus thermal-transfer overprinters from **Videojet Technologies, Inc.** (www.videojet.com) that Utz uses at all four of its plants in Hanover. In addition to producing consistently

crisp codes at high line speeds, the overprinters are producing consistently crisp codes. Code changes simply require a few taps of a touchscreen to create the new price and expiration date. That means downtime for code changes and lost production have virtually disappeared. The four plants are located within a two-mile radius of Hanover: The High Street location manufactures potato chips and some corn and tortilla chips and is the site of the company headquarters; the Broadway facility houses a pretzel bakery; the Kindig Lane location produces most of the corn products, such as cheese curls, popcorn and corn and tortilla chips; and the Carlisle Street facility handles hand-kettle operations and batch frying. In all, the company has 50 form/fill/seal packaging systems [from **Kliklok-Woodman** (www.kliklok.com) and **Heat and Control** (www.heatandcontrol.com)], many of which utilize a DataFlex or DataFlex Plus thermal-transfer printer for primary product coding. Four DataFlex systems were added to its rigid container filling lines.

In a day's time, packaging maintenance manager Bob Epley can visit all of the plants, sometimes Continued on page 22



OVER 80 YEARS OF EXPERIENCE,

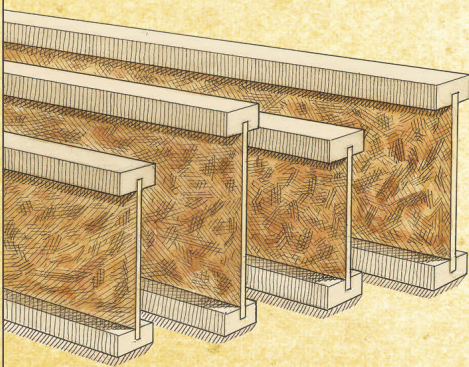
..... yet we're still

QUITE GREEN ABOUT THINGS.

Being green is not about any lack of know-how. It's about how we've spent years doing all we can for the environment. Each year, for example, nearly 6 million tons of recycled wastepaper are recovered by Harmon Associates, a Georgia-Pacific company, and nearly 4 million tons of wastepaper are used in our mills to produce our

products. However, while all our recycling, reducing, and reusing happens to be great for business, operating green isn't just about staying firmly in the black. For us, it's about making our world a better place to live. And when we're greener, you can take comfort in the fact that you'll be greener.

Learn more at www.gp.com.



GREENER CONSTRUCTION

Georgia-Pacific's Wood I Beam™ joists use 50 percent less wood than traditional lumber—without sacrificing performance. We also recycle enough gypsum wallboard every year to cover the walls of 50,000 homes.



GREENER INNOVATIONS

Used in public facilities throughout the country, sensor-controlled enMotion dispensers reduce waste by controlling the number of towels being dispensed. They're also compliant with the EPA's Reduce-Reuse-Recycle initiative.



GREENER PACKAGING

Our Greenshield® packaging is a recyclable alternative to wax-coated boxes for produce, poultry, and seafood. As such, it eliminates the disposal fee normally associated with wax-coated boxes and allows you to generate revenue by recycling the container.



Georgia-Pacific

Making Life's Simple Necessities.™



more than once. Epley says the company uses plenty of flexible packaging. The snack bags are used for products targeted to delis, supermarkets and convenience stores range in size from 1- to 20 oz. Pretzels, cheese balls and snack/party mixes come in 22- to 48-oz clear polyethylene terephthalate canisters

Some snacks are available in canisters that are sleeve-labeled, left. The label stock is coded by the overprinters prior to application.

(from various sources). Epley says that the company also produces pretzel, cheese curl and corn and rye chip mixes in tall plastic canisters for clubstores.

Epley says the chip-bag lines usually run five days a week, 24 hours a day, without stopping. The flexible film bagstock [from **Bryce Packaging** (www.brycecorp.com) and **Printpack** (www.printpack.com)] is typically marked with two lines of code including a price, an

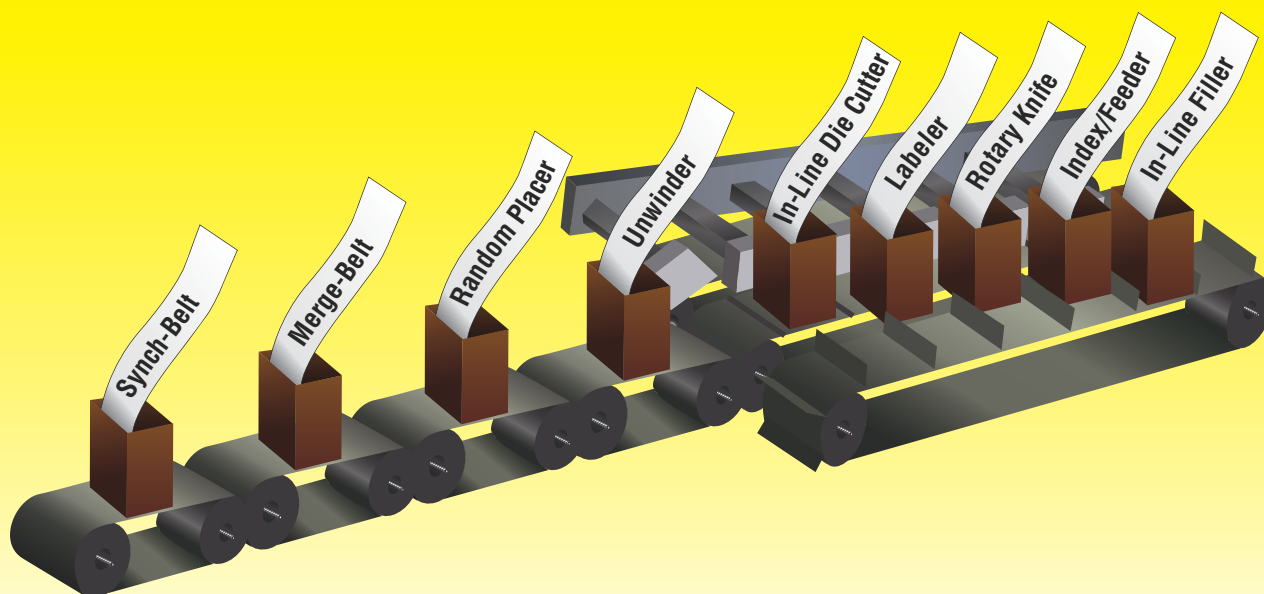
expiration date, a lot number and a manufacturer code. Most of the canisters receive a pressure-sensitive label printed with three to four lines of coded information in either white or black ink. The label (from several suppliers) is then applied automatically on equipment from **Quadrel** (www.quadrel.com) to the canister. Depending on the product, some canisters are sleeve-labeled on systems from **SleeveCo** (www.sleeveco.com), and the sleeve material is coded directly by the thermal-transfer printers.

Moving from stamping machines to thermal-transfer overprinting a few years ago was an easy choice for Utz, which at that time, added six overprinters to its various plants. But for Epley and his crew, a key product-coding challenge was maintaining line speeds. "It doesn't take long to code a million packages a day," Epley says. "But we discovered missing or partial codes. That's a problem when running product at 140 bags a minute on four packaging machines. Sometimes, for a three-month project, we can run as many as 150 bags/min."

When Epley discovered the DataFlex line more recently, he began to investigate and really liked what he found. "The DataFlex caught my eye because it could print both in continuous and intermittent motion," he says.

The DataFlex's solid-state, clutchless ribbon-drive systems

SOLUTIONS THAT WORK... AND WORK... AND WORK... AND WORK...



MP2000 Machine Controllers Built On 28 Years of Proven Technology

- **High Performance Machine Control**

- Up to 256 Axes of Synchronized Motion
- PLC Functionality Included
- Thousands of I/O

- **Multiple Network Options**

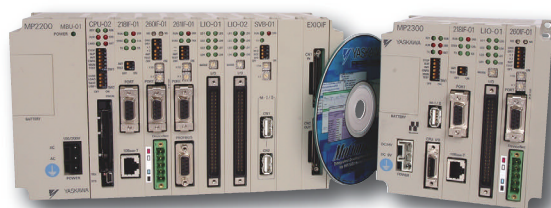
- **Compact Design**

- **Flexible Solutions**

- Leverage Yaskawa's Experience with Proven Application Solutions

- **Low Cost of Ownership with Increased Uptime**

- High Quality Hardware
- Smooth Motion Techniques



1-800-YASKAWA • www.yaskawa.com

SERVOMOTORS • MOTION CONTROLLERS • AC INVERTER DRIVES • ROBOTICS

YASKAWA
The Drive for Quality™

! Did you know?

Coca-Cola Co., Atlanta, which relies on soda fountains for a reported 34 percent of its North American sales volume, has created a new machine that can dispense as many as 50 drink combinations, according to a June article in the *Arizona Republic*. The "Bev-olution" dispenser is slated to hit restaurants in October, notes Chris Lowe, president of Coca-Cola's North American foodservice unit. The units will allow consumers to make their own drink combinations by mixing a shot of cherry flavoring, for example, with Sprite. Most restaurant soda fountain dispensers have about eight drink spigots. The machine is said to deposit both soft drinks and noncarbonated drinks such as Powerade, Lowe says.



use bi-directional stepper motors. The DataFlex Plus comes equipped with a 3,281-ft-long ribbon, which translates to more time between ribbon changes. Both models function in continuous or intermittent motion, which makes them suitable for the continuous and intermittent operational formats on Utz's packaging lines. Typically, Utz uses the intermittent format to code the large canisters.

The DataFlex overprinters also feature a printhead and a ribbon that make contact with the flexible film substrate, the sleeves and the labels via miniature print elements under a glass coating that heat small areas of the print ribbon and transfer ink to the substrate. The print elements are program-controlled to create images, high-resolution codes, text and graphics in real time.

The DataFlex printers are designed to continuously monitor ribbon tension to avoid faults and breaks that can interfere with production. This helps keep the printing ribbon in control, leaving 1 mm of space between prints for maximum ribbon use.

During its evaluation of the DataFlex, Utz conducted a trial involving a bagmaker, and Epley decided to include the DataFlex printer in the trial. Once the printing system was installed, Epley realized he had found the answer to the coding question. "The DataFlex hit the ground running at 120 bags a minute," he says. "That sold us, along with the fact that we could use the system on our intermittent packaging lines."

Today, the company has 12 DataFlex printers and six of the DataFlex Plus printers.

Packaging machine operator Steve Sneeringer likes the printers' intuitive, graphical user interface, which he says boosts uptime. "We

wanted operator screens that are easy to navigate," he says. "Today, we just tap the touchscreen, create a different price and input an expiration date. And the DataFlex marks 250,000 bags using a single roll of ribbon, versus 6,000 to 15,000 marked with stamping equipment," he

adds. Downtime has virtually been eliminated on lines where the DataFlex printers are stationed. "We just ran 22 million bags using the same printhead," says Epley. "We expect to see a return on the investment on the overprinters within a year." That's a tasty recipe for snack-packing success.

More information is available:

Videojet Technologies, Inc., 630/860-7300.

www.videojet.com.

Bryce Corp., 901/369-4400. www.brycecorp.com.

Heat and Control, Inc., 415/871-9234. www.heatandcontrol.com.

Kliklok-Woodman, 770/981-5200. www.kliklok.com.

Printpack, Inc., 404/691-5830. www.printpack.com.

Quadrel Labeling Systems, 800/321-8509. www.quadrel.com.

SleeveCo, 706/216-3110. www.sleeveco.com.

PVC/PETG/OPS SHRINK SLEEVES By AMERI-SEAL®

(PRINTING CAPABILITIES UP TO 9 COLORS ROTOGRAVURE)

- ROLL STOCK
- TAMPER SEALS
- NECK BANDS
- CUT BANDS
- FULL BODY SLEEVES
- 360° PRINTED LABELS
- PRE-FORMS
- MULTI-PACK BANDS
- DIGITAL MOCK-UPS

*Our Contract Sleeving Division Will Apply
Your Shrink Sleeves Onto Your Products For You!*

818.700.9036

800.220.7981



AMERI-SEAL®
Converted In USA



sales@ameri-seal.com • www.ameri-seal.com



A high-speed **WATER-BOTTLING LINE** for 3- and 5-gal bottles at DrinkMore Water incorporates a monobloc filler/capper and a robotic racking system.

Bottling line is awash in new equipment



Five-stage washing system rinses, washes, rinses, sanitizes and rinses the bottles again.

Jack Mans, Plant Operations Editor

DrinkMore Water, Gaithersburg, MD, produces and sells 3- and 5-gal bottles of water for water coolers in homes and offices, while its sister company, DrinkMore Custom Water (DCW), produces and sells polyethylene terephthalate bottles of water ranging in size from 12 oz to 1.5 L. Last month, PD featured the PET line, which is brand new, and this month, it features the 3- and 5-gal bottle line, which is two years old.

DrinkMore Water opened its first water store in Rockville, MD, in 1993 to produce ultra-purified water for its customers to transport home for consumption, and in 1996, it began delivering the water to homes and offices in the greater Washington and Baltimore region, where it now has more than

12,000 customers. DrinkMore installed a complete new 3- and 5-gal bottling line from **Aquatyzer Eng., Inc. (www.aquatyzer.com)** in 2005. In 2006, the company moved the line to a new 40,000-sq-ft facility in Gaithersburg and added the new PET bottling line owned by DCW, which was described last month (see PD, June 07, p. 30). It also installed a state-of-the-art water-purification facility in the plant.

DrinkMore Water reuses the 3- and 5-gal polycarbonate bottles, so in the first step of the operation, an operator takes returned bottles from a rack, visually inspects each bottle and, if a bottle is acceptable, places it on the infeed conveyor, which transports it to a decapper. A sensor checks each bottle on its way to the decapper to see if it has a cap in place, and if it does not, it passes through the capper untouched. If the bottle does have a cap,

clamps descend on the bottle and pull off the cap, which is discarded.

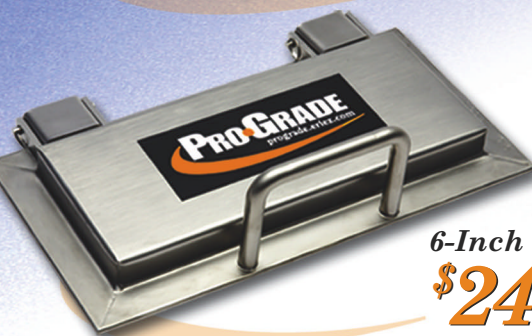
The next step is in-line vacuum leak testing. Groups of four bottles are lifted up against valves where silicon bladders seal the spouts, and a vacuum is pulled on each bottle. If the vacuum reading on a bottle drops by more than the programmed amount (signifying a crack or a pinhole leak), the bottle is rejected. The controller remembers which of the four bottles has the leak and discards that bottle after it leaves the detector. The system can detect leaks as small as 0.2 mm in size. All of the pneumatic components on all of the Aquatyzer equipment are supplied by **Festo Corp. (www.festo.com/us)**.

The bottles are then conveyed to the washer, which consists of a tunnel through which the bottles

Continued on page 26



6 x 6-Inch Grate **\$48**



6-Inch Plate **\$248**



6x8-Two Drawer Grate-In-Housing **\$985**

Introducing...

PRO GRADE
Magnetic Separators

TM

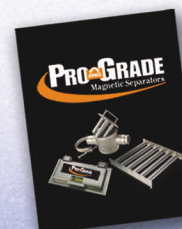
All the POWER...without the PRICE

- Ceramic, Rare Earth and Xtreme™ Rare Earth Circuits
- Over 110 Standard Items
- Low Cost

Call 1-888-300-3743 or visit prograde.eriez.com



Buy Online:

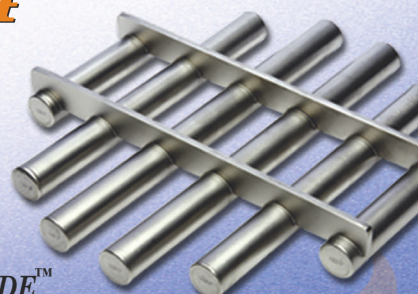


NEW!
PROGRADE™
Full Line Catalog



\$26
6-Inch Tube

\$54 6-Inch Diameter Grate



25,000
OF YOUR PEERS

1,200
EXHIBITOR SOLUTIONS

1000s
OF PACKAGING INNOVATIONS

3
DAYS

1
PLACE TO SEE
THE ENTIRE PACKAGING SUPPLY CHAIN
PACK EXPO LAS VEGAS

YOU
NEED TO BE
HERE



OCT. 15-17, 2007
Las Vegas Convention Center
Las Vegas, Nevada USA

Register now and attend the one show this year with solutions for all of your packaging challenges.
This year will boast the industry's latest innovations spanning the entire packaging supply chain:

- Containers
- Materials
- Services
- Components
- Packaging Machinery
- Processing Machinery
- Converting Machinery
- And More

Sponsored by:

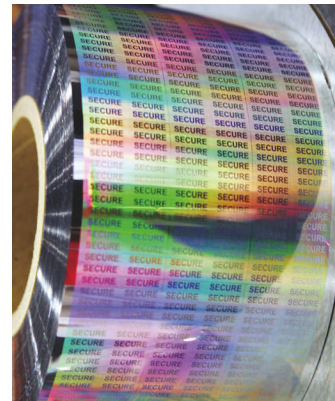


Leading companies.
Leading solutions.

Co-located with:



To learn more and to register, visit www.gopackexpo.com



are conveyed in a three-wide orientation. During a stop, three bottles enter the tunnel perpendicular to conveyor travel, and the conveyor then moves them through the washer. The bottles are held securely in place with Aquatzyzer's patented Get-A-Grip system, in which spring-loaded clamps grip the necks of the bottles. The bottles are inverted, and in the pre-rinse stage, a strong jet of water shoots upward, hits the bottom of the bottle and runs back down the sides. Next, a 135-deg-F detergent solution is sprayed into the bottles. This is followed by three rinse stations. The first is with plain water. The next is a sterilization step with water containing dissolved ozone. The final rinse is done with the ultra-pure drinking water. The bottles are then set right-side-up onto the conveyor and exit the washer. The complete operation takes about four minutes.

Next, the bottles are conveyed to the filler/capper, which is installed in a cleanroom. This is a monobloc machine in which the filler and capper are mounted on a single base and are driven by a common motor and gear-drive system.

Three bottles are filled at a time using PLC-controlled timers and pneumatic valves. The water is pumped from the storage tank and is injected into the bottles under pressure. When the bottles are filled, the valves close, and the bottles move to the capper. Caps are dumped into a floor hopper outside of the cleanroom, and are conveyed up to an overhead vibratory feeder that arranges them with the open side down and delivers them to a conveyor that carries them down to the capper. Bottles pick caps from the conveyor discharge, and then travel beneath a small belt that travels above them and presses the caps firmly onto the bottles. A sensor at the exit of the monobloc checks to make sure the caps are in place and pushes bottles without caps onto a separate collection conveyor. An ink-jet printer from **Imaje** (www.imaje.com) applies a time/date code to the tops of the caps as bottles leave the cleanroom.

The bottles are then conveyed to an Aquatzyzer-designed robotic racking system using an 80-kg robot from **Motoman, Inc.** (www.motoman.com). The robot picks up two bottles at time, orients

them correctly and then inserts the pair of bottles into the rack. According to Bob Perini, president of DrinkMore water, "The Aquatzyzer robot has been one of the best investments I have ever made. Our worker's comp claims have dropped to zero, my employees have embraced the new technology and my only regret is not getting the robot sooner!"

The entire line is controlled by a programmable logic controller from **Rockwell Automation** (www.rockwellautomation.com). Sensors along the line detect bottle movement and backups and start and stop the different pieces of equipment accordingly.

More information is available:

Aquatzyzer Eng., Inc., 562/595-5159.

www.aquatzyzer.com.

Festo Corp., 631/435-0800. www.festo.com/us.

Imaje, 770/421-7700. www.imaje.com.

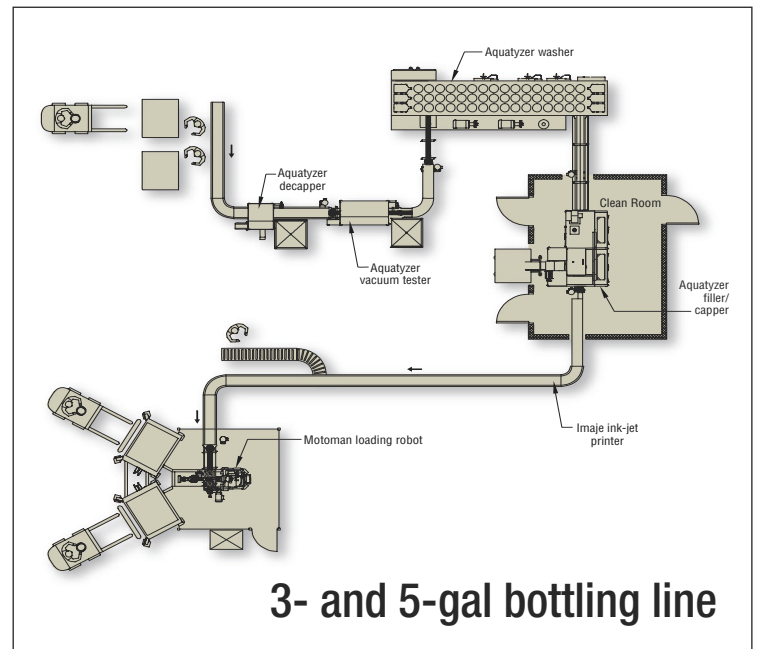
Motoman, Inc., 937/847-6200. www.motoman.com.

Rockwell Automation, 414/382-2000.

www.rockwellautomation.com.



The vacuum leak tester checks four bottles at a time. It can detect leaks as small as 0.2 mm



3- and 5-gal bottling line

Making the perfect package even better.

RESEALABLE PACKAGING INNOVATIONS FROM ZIP-PAK®

Give your product the edge on freshness and convenience with Zip-Pak's resealable packaging technologies. From meat and cheese to frozen and pet foods, discover how Zip-Pak can help perfect your brand.

For more information call 800.488.6973 or visit our website at www.zippak.com.

ZIP-PAK®

www.zippak.com

©2007 Zip-Pak®

ZIP-PAK®, the ZIP-PAK logo® and the Color Line Design® are registered trademarks of ITW. ZIP-PAK® SLIDER™ is a trademark of ITW.



We'll Buy Your Old Adhesive Melter



*Let Nordson buy your old Nordson or any competitive melter.
We'll apply the value to a new or like-new Nordson system.*

You can choose from a wide range of payment plans and acquisition options:

1 Standard purchase: You get durability, reliability, productivity and simplicity in the industry's most popular line of adhesive melters. You save by applying the value of your old melter to your new system.

2 Partnership+PlusSM program: For a simple monthly fee you can have a ProBlue[®] melter, Blue Series[™] guns and Nordson hoses in your facility with no upfront capital expense. We'll apply the value of your old melter to your monthly fees.

You get standard maintenance and parts for as long as you keep the system and we'll automatically replace it in 3 years or less, depending on wear.

3 Reconditioned equipment: Save by purchasing a reconditioned melter. Save *more* by applying the value of your old melter to the purchase price! All certified rebuilt Nordson melters come with a standard 1-year warranty. Trained Nordson technicians use genuine Nordson parts in all rebuilding.

4 Capital-friendly equipment plans: Select your new Nordson melter and choose from a variety of acquisition and payment options through certified Nordson financial partners. We'll apply the value of your old melter to the plan you choose.

Contact us today and learn why for over 40 years, Nordson has been the choice of more packagers and OEMs than any other melters worldwide.



www.nordson.com ■ toll-free (800) 683-2314



Will healthy options = healthy sales?

This year's Food Marketing Institute show featured lots of new and **CONVENIENT PACKAGES** to entice consumers to munch those five-a-day fruits and veggies.

Lauren Hartman, Senior Editor,
Jack Mans, Plant Operations Manager,
Anne Marie Mohan, Senior Editor

From individually wrapped prunes to snack-size pickle-packs, the supermarket show was packed with new food and beverage introductions in packaging that emphasized convenience and portability. The *Packaging Digest* editors sampled their way through the aisles of Chicago's McCormick Place in May, filling their bags with the best packaging innovations they could find. Here are their top picks:

Sunsweet individually wraps Ones

Who would have guessed that modern research and healthy eating trends would lead straight back to the humble prune? Sunsweet Growers, Inc., Yuba City, CA, that's who, with its launch of New Ones™ individually film-wrapped, pitted, dried plums (prunes) (1). Aiming to broaden the appeal and usage of juicy, sweet prunes, Sunsweet launched Ones nationally in January 2007. Twenty prunes come in a transparent, 10.7-oz vinyl canister that clearly shows off the film-wrapped product—intended as a healthy snack—while the tall canister offers portable, on-the-go convenience.

According to Sunsweet, which is celebrating its 90th anniversary, the product was test-marketed with great success and outperformed the rest of the U.S. market in terms of dollar growth. Meeting consumer needs for foods that are ready to eat but not messy, the film-wrapped, single prunes are the largest marketing investment in the company's history, says Arthur Driscoll II, president and CEO

of the grower-owned cooperative.

"Consumers' demand for healthy snacks is no longer just a trend, it's a reality," says Driscoll. "Whether it's antioxidants, vitamins or minerals, bite for bite, the nutritional profile of Sunsweet prunes stands up against any other 'pretty' fruit or snack out there. Prunes are truly a superfruit; we just need to get the message out."

A good deal of that task is being handled by Ones' packaging. The custom, six-color-printed canister, decorated in Sunsweet's yellow, royal blue and white color scheme, helps to position Ones as an indulgent yet totable treat. The printed film wraps inside look like they might contain candy, though they're actually there to keep the prunes juicy and moist. Measuring 7½ in. tall and 2½ in. dia, the canister has a polyvinyl chloride insert that seals the bottom and a bright-blue cap printed in three colors that friction-fits into the top. Over the cap is a clear, tamper-evident film band. Inside, the prunes are individually wrapped in 48-ga polyethylene terephthalate/80-ga oriented polypropylene film.

Wrapping of the prunes at speeds of 250 to 300/min is on a **Delta Systems** (www.delta-systems-inc.com) Eagle flowrapper line that was installed earlier this year at Sunsweet Growers' plant in Yuba City. The line includes a Delta servo-driven, low-pressure Smart Belt infeed that singulates the prunes prior to wrapping.

"Perishability can make fruit fairly impractical as a snack," says David Lance, vp of worldwide marketing and sales at Sunsweet. "That's where Sunsweet Ones comes in; you can keep Ones in

your purse, desk, car or lunchbox, for whenever the snacking urge hits. We're truly excited that consumers are ready to look past the wrinkly disguise and discover Sunsweet prunes as a great-tasting, truly nutritious snack."

The canister sells for about \$2.35 to \$2.50 per package. Says product manager Jeff McLemore, since the introduction of Ones, the response has been outstanding for the dried-plum category, driving growth more than 20 percent where Ones are in distribution.

Snack-pack is the pick of the peck

Pickle packages from Mt. Olive Pickle Co., Mt. Olive, NC, just got more convenient, as the company took its whole-petite kosher-dill and sweet-pickle varieties out of the glass jar and put them into a convenient, single-serve, 3.7-oz multilayer plastic cup (2) with a peelable, foil-based lid. Available as a line extension in four-pack paperboard sleeves, or what the company calls its picklePAK™, the snack-sized cup package was launched this spring.

The easy-to-grip, clear cup closely resembles those for pre-cut fruit snacks, pudding or apple sauce, which has been around for years, but Mt. Olive's cup is a first for pickles.

Each cup is embossed with the Mt. Olive logo and is date-coded with a best-by date that indicates the pickles are shelf-stable for more than one year. Consumers can enjoy the convenience of taking the pickles to work, school, picnics, tailgates or camping. The company says the picklePAK moves pickles from the refrigerator to anywhere you want

to go. Mt. Olive reports that the packages will be marketed in the pickle aisle at stores and in standalone grocery displays later this summer.

Vacuum-formed by **Printpack** (www.printpack.com) of a clear, proprietary material designed to achieve specific barrier and performance requirements, the cup technology was in development at least a year, according to Mt. Olive's community relations spokesperson, Lynn Williams. The cup material is sturdy and has the barriers to prevent migration of the pickle juice, a liquid salt/vinegar combination, while the foil seal locks out air and other harmful elements. The outer wraparound paperboard sleeve, printed in Mt. Olive's signature light and dark green colors, includes product-viewing windows on both side panels to clearly show off the cups inside.

Though the company declines to provide specifics, the cups are believed to be retorted. Launched nationally starting in April, the four-pack picklePAK retails for about \$2.99.

Green Giant's fresh packs get steamed

The steaming bag technology for vegetables is a trend heating up at several FMI booths this year. One example was in the Green Giant Fresh booth from Sholl Group II, an Eden Prairie, MN-based General Mills licensee. Sholl Group II unveiled Freshtables® (3), a garden of new microwavable vegetable/sauce combinations in microwavable steaming bags. Both fresh vegetables and fresh fruit are packed under the Freshtables brand. "Freshtables SteamPerfect™ is the first national brand to come to market with a proprietary steaming microwave bag," says Darci Eckermann, vp of marketing and business development for the Sholl Group II. The 12-oz SteamPerfect microwavable steaming bags serve three to four.

Nine items in the line include various combinations of cut vegetables as well as single types and sauces that steam in about two minutes. The varieties include Red Apples and Raisins with Cinnamon Sauce, Broccoli and Baby Slim Carrots with Cheese Sauce, Cauliflower with Cheese Sauce, Green Beans with Garlic Butter and more.

Using SteamFast technology from **Excelsior Technologies, Ltd. UK** (www.exceltechuk.com), the bagstock consists of a reverse-gravure-printed PET/adhesive/PP laminate. Incorporating a windowed front panel, the custom bag becomes a steaming

vessel that expands under the pressure of the steam created inside the package when it's microwave-heated. Through the patented steaming technology, a vent situated between the layers of laminate contains a specially formulated heat seal that opens at a predetermined pressure. As the vent releases built-up steam within the puffed bag, the steam circulates evenly throughout the bag during the cooking process, distributing the pressure and heat. This reduces cooking time. Any excess steam pressure is released through the opened valve.

Sholl Group II says that SteamPerfect has been pioneered in Europe and in the U.S. by Excelsior and is based on an innovative, patented Japanese concept of microwave cooking. Sold in the produce section of grocery stores starting this summer in regional markets, the products will soon roll out nationally. The 12-oz packages carry a suggested retail price of \$3.99. They have a 14-day refrigerated shelf life.

In another application of the SteamFast technology, Ocean Mist Farms, in January 2007, introduced 10-oz pouches of asparagus and Brussels sprouts (3a) that can be microwave-steamed in just three minutes. The pouches sell for less than \$2.99.

Eating fresh snacks is easier

Meeting consumer demand for healthier snacking options and greater convenience, Apio, Inc., Guadalupe, CA, a wholly owned subsidiary of Landec Corp., introduced its new Classic Crunch line of fresh snacks at the United Fresh Expo in Chicago. Targeting shoppers-on-the-go, the line packages vegetables and complementary snack products—along with a dipping sauce in a plastic cup—in a plastic tray with a film seal across the top. There are four nutritious fresh-cut varieties: Trailside Crunch with carrots, celery, trail mix and ranch dip; Classic Crunch with carrots, celery, cherry tomatoes and ranch dip; Quick Crunch with carrots, celery and ranch dip; and Pacific Crunch with tuna salad, crackers and celery. "These new snacks are an excellent addition to the cut vegetable category and reinforce our commitment to offer healthy and innovative products for time-pressured consumers to enjoy," says Mike Casazza, executive vp of sales and marketing for Apio.

This introduction represents the most Continued on page 30

Kellogg changes nutrition standards, adds front-of-pack labeling



In mid-June, Kellogg Co. announced plans to reformulate its food products marketed to children by the end of next year, including brands such as Pop-Tarts, Froot Loops and Apple Jacks—about half of the products that it currently markets to children worldwide. The company is undertaking major initiatives to further strengthen its commitment to meeting consumers' health and nutrition needs by adjusting what and how it markets to children and through new, front-of-pack nutrition labeling.

If the company can't meet new nutrition standards without compromising taste, it said it will stop marketing the products to children under 12 by the end of 2008. "It means we have a lot of work to do," says Kellogg president and chief executive David Mackay. "If we can't make those products taste just as good as they do today and make them as appealing, then we won't reformulate them, and we won't advertise them."

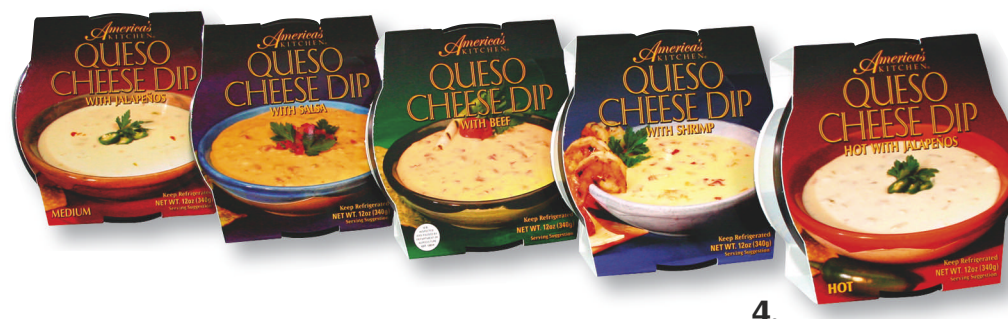
Kellogg, which reports 2006 sales of almost \$11 billion, says it would introduce Nutrition-at-a-Glance labels on the top right corner of cereal boxes this year. Already introduced in Europe and Australia, the new labels will take information printed on the side panel of the boxes from the Nutrition Facts panel, which is mandated by the federal government, and include its key highlights on the box's front panel.

The new labels will show consumers the percentage of calories, total fat and sodium in a single serving, based on a 2,000-calorie daily diet, and will also display grams of sugar and nutrients like fiber and calcium.

Kellogg also stated that it would stop using its licensed characters or branded toys to promote foods unless the products meet the nutrition guidelines. The revised standards dictate that one serving of food must have no more than 200 calories, no trans fat, no more than 2 g of saturated fat, no more than 230 mg of sodium (except for Eggo frozen waffles) and no more than 12 g of sugar. Frosted Flakes, for example, and Rice Krispies with Real Strawberries, will still pass nutritional muster, though regular Rice Krispies will not (too much salt).

In the last several years, health officials have repeatedly warned that the steady stream of food ads aimed at children is contributing to a growing number of overweight or obese children. Under the new guidelines, Kellogg's food advertised on television, radio and websites and in print with an audience that is 50 percent or more of children under 12 will have to meet the new nutrition standards. Kellogg already has a policy of not aiming advertising at children younger than 6, so the new guidelines apply to children 6 through 11.

"Twenty-seven percent of our ad spending in the U.S. aims at children under twelve," says Mackay.





recent addition to Apio's Eat Smart Fresh Cut Meal Solutions line, which includes fresh-cut vegetables and complementary ingredients for ready-to-make meals and meal components. The Classic Crunch trays measure 5.25 in. wide by 6.25 in. long by 1.5 in. deep, weigh approximately 5 to 7.5 oz and sell for \$2.50 to \$3.50, depending on the variety.

Dipping up flavor

There's nothing better than a good snack dip when you feel like relaxing. To meet this demand, in late 2006, America's Kitchen, Alpharetta, GA, introduced a line of five restaurant-style Queso cheese dips (4) with a unique blend of ingredients. Available in Medium, Hot, Shrimp, Beef and Salsa flavors, the dips were developed by certified master chef Michael J. Robins, who, at the age of 26, became the youngest Certified Master Chef in U. S. history. The dips, which weigh 12 oz, are packaged in PP cups with low-density polyethylene lids from **Berry Plastics** (www.berryplastics.com). The cups are then placed in glossy, vividly colored sleeves from **Carton Service, Inc.** (www.cartonservice.com) that are made from offset-printed, film-coated SBS board with a UV freezer coating that resists moisture. "We introduced the Queso dips in Costco as a two-pack of sixteen-ounce cups, and we immediately started getting calls from consumers asking for a smaller package," says America's Kitchen marketing director Delores Johnson. "We worked with **XO Create** [www.xocreate.com] to design the new package."

Following up on the success of the dips, America's Kitchen introduced a line of four finishing sauces—Seafood Newburg sauce; Lemon Dill sauce; Portobello Demi-Glace sauce; and Scampi sauce in early 2007. "People were looking for premium-quality finishing sauces," says Johnson. "These not only taste wonderful, but they are also very easy to use—just heat and serve." The sauces, which weigh 10 oz, are packed in the same style of packaging as the dips. According to a Berry Plastics representative, the finishing sauce can be heated directly in the cup, which adds to their convenience. In addition, she says, the cups are frequently retained for reuse by consumers.

Both the dips and the sauces sell for \$3.99 to \$4.99, depending on the variety and sales location.

Thirst quenchers debut in a kid-friendly pouch

While fortified foods were *di rigueur* at FMI, many of the soft drinks still aimed at kids can be sweet and sugary. Not at Honest Tea, the Bethesda,

MD, organic, bottled teamaker, which introduced Honest Kids organic, fruit-flavored thirst quenchers for kids (5). Introduced at the All Things Organic Show in a 6.75-oz flexible, standup drink pouch, the new thirst quencher was developed for a school lunch, day camp, traveling and afternoon snacks. Three flavors in the low-sugar line include Berry Berry Good Lemonade, Goodness Grapeness and Tropical Tango Punch. Multipacked eight to a carton, the pouches come with straws attached. Certified organic by the U.S. Dept. of Agriculture, Honest Tea reports, the drinks contain a mere 40 calories, are caffeine-free, incorporate 100 percent of the recommended daily amount of Vitamin C and have less than half the sugar of other drinks, the company says.

Fun and splashy, the fruit-filled graphics design for the pouches was created by Honest Tea in conjunction with **Flow Design** (www.flow-design.com). They're made of a film with an outer layer of 48-ga PET, ink and adhesive, that's laminated to a high-barrier sealant blend of linear LDPE and low-density PE. The curvy, standup pouches are sized to fit comfortably in kids' hands and have a cinched-in waist that makes them easy to grip.

Honest Tea's Brigid Rauch says that the specific pouch suppliers and other packaging information are proprietary. The graphic elements present the Honest Kids logo on a bold, black band at the top of each pouch and are color-coded by flavor. The company has developed nine new, organic products this year, including the fruit-based thirst quenchers, and expects to expand its reach to new customers. So far, the market response to Honest Kids "has been phenomenal," Rauch says.

With a national launch in May, Honest Kids is sold at Whole Foods and Target stores and will make its way to other retailers soon. The product retails for \$4.99 to \$5.49.

Shelf-stable cookie dough is a go

Formed specifically to develop flexible and convenient new dough products for consumers, First Products, Inc., Rosemount, MN, launched its first offering last spring, with the introduction of four shelf-stable cookie dough varieties at Wal-Mart supercenters nationwide. Presented in a 28-oz PE container with a resealable, snap-on lid (6), both from Berry Plastics, the HomeBake® line of Scoop & Bake Cookie Dough in Classic Sugar, Chocolate Chip, Peanut Butter and Oatmeal Raisin varieties, is said to have a shelf life of 180 days, which First Products president Jeff Hulme says is three-times longer than similar, refrigerated doughs.

While Hulme relates to PD that the secret to HomeBake's shelf stability is a proprietary dough formulation, he does reveal that a lack of raw egg in the mixture and the use of all-natural ingredients both factor heavily into eliminating the need for refrigeration, even after opening. "But we are not trying to say that we want people to spread the product out for a long time," he notes. "We're just saying that it's convenient. Because, from a true marketing and sales point of view, if our turns are not fast enough, no matter what we sell, we're not going to be in the stores too long."

Among the benefits cited by First Products of the shelf-stable cookie dough for retailers and consumers are a cost savings in logistics and distribution, as the product does not require refrigerated storage and offers an expanded shelf life; a dough that is more malleable upon opening than frozen product, allowing for immediate use; and the elimination of the food-borne illnesses associated with products containing raw egg. In addition, Hulme adds, shelf-stable cookie dough offers several unique marketing options. These include opportunities to distribute the product in parts of Europe, Asia and South America, where refrigerated storage space is sometimes limited, as well as its use in fund-raising programs. He also envisions co-marketing opportunities, where sugar cookies might be paired with decorating kits in the stores, for example.

HomeBake cookie doughs are currently sold only in Wal-Mart, in 1,180 stores nationwide, but First Products is in talks with other retailers to develop private-label, shelf-stable cookie dough products for their use. The HomeBake version uses a paperboard sleeve over the plastic tub that allows the product to stand upright, providing a broad billboard of tempting cookie graphics, designed by **LiveLight!** (www.livelightcreative.com), on-shelf. The sleeves are converted by **Innovative Fiber, LLC** (262/367-7551).

HomeBake Scoop & Bake Cookie Dough is priced at \$2.98 for a 28-oz size. At presstime, First Products was scheduled to launch a 24-oz shelf-stable brownie mix in Wal-Mart on Aug. 1.

Grown-up's macaroni and cheese

The cheesy flavor of Kraft Macaroni & Cheese has been a family favorite for years, but taste buds grow up. Now, adults can enjoy the mac and cheese

Continued on page 32



Our packaging ideas
are this fresh...



- Package Design
- Thermoforming
- Printing & Die-cutting
- Packaging Services



Single Source Solutions

To learn more, visit displaypack.com



that they've always loved, but with premium taste and ingredients created for the sophisticated adult palate. Introducing Kraft Bistro Deluxe (7), a new premium line of mac and cheese featuring fine ingredients in an easy-open, 10-oz pouch, that helps adults bring the bistro experience home with the twist of unique flavors. And to help bring a real bistro feel to the kitchen table, Kraft is putting a new

spin on the classic combo of wine and cheese: Now it's mac and cheese and wine. By pairing wines with the more grown-up flavors found in Kraft Bistro Deluxe pastas, adults can create a memorable meal in minutes right in their own kitchens.

"Pairing the food you love with the perfect glass of wine makes any meal gratifying," says wine specialist and award-winning author Leslie Sbrocco.

"Kraft Bistro Deluxe appeals to adults who've always loved to eat mac and cheese with their kids, but now want a more sophisticated meal they can savor with a glass of wine." According to Sbrocco, the richness of the creamy sauce in the new sun-dried tomato Parmesan variety is perfect with a similarly styled wine such as a buttery, oaky Chardonnay.

All four varieties of Kraft Bistro

Deluxe are made with premium Kraft cheeses and pastas made with a blend of durum wheat and whole grain. Each variety makes a one-of-a-kind side dish or main entrée. "Consumers are increasingly interested in experimenting with new foods at home, especially as they try new flavors at restaurants and during their travels," says Erica Hammack, senior brand manager, new product development, at Kraft. "Kraft Bistro Deluxe, featuring premium ingredients, is the perfect fit for consumers looking for a sophisticated twist on a family favorite—all from a brand they know and trust."

Kraft Bistro Deluxe pastas are available in four varieties. Sun-dried Tomato Parmesan features Penne pasta with sun-dried tomatoes and basil in a cheese sauce. Creamy Portobello Mushroom includes Cavatappi pasta with Portobello mushrooms in a creamy, three-cheese sauce of Parmesan, Romano and Monterey Jack cheeses. Classic Cheddar contains elbow pasta in a premium Cheddar cheese sauce.

Three Cheese Italiano features elbow pasta in a Parmesan, Romano and Asiago cheese sauce. Kraft Bistro Deluxe is available now in grocery stores nationwide and has a suggested retail price of \$2.89. Each pouch serves two to three people and takes less than 10 minutes to prepare.

Reclosable tray brings home the bacon

Claiming to be the largest exhibit at FMI, Kraft Foods showcased more than 70 new foods and beverages in an Internet-based, "virtual world." Its food and beverage innovations focused on four key growth areas for the company: health and wellness; premium taste; quick meals; and snacking. Among the new products, the company featured cheeses with probiotics and prebiotics for digestive health, on-the-go snacks and convenient meal kit packs for brands including DiGiorno, Jell-O, Oscar Mayer, Philadelphia, Planters and South Beach Diet. But the most



8.

▶ How do Tetra Pak cartons rate by Mother Nature?

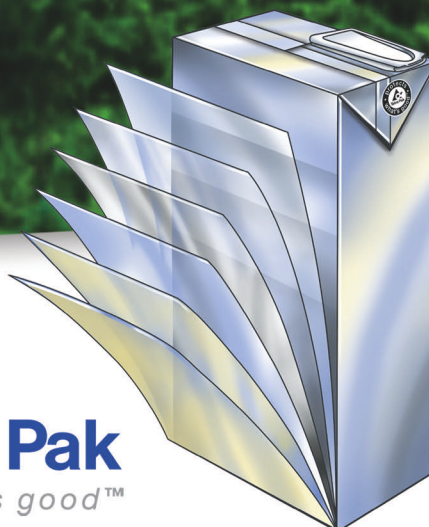
- ☐ recyclable
- ☐ made from renewable resources
- ☐ carbon neutral production
- ☐ healthy business
- ☒ all of the above

Through constant innovation, Tetra Pak continues to protect the world's natural resources.



As a global player in food packaging and processing, Tetra Pak is dedicated to responsible industry leadership. We believe that profitable growth must be in harmony with environmental sustainability and good corporate citizenship. Tetra Pak cartons come primarily from a renewable resource (70 to 74% paper from responsibly managed forests) and are recyclable – nearly 50 million consumers can recycle their cartons in curbside programs in the US today. Tetra Pak packages also use less material and are among the lightest on the market, which makes them cost-effective for manufacturing, shipping and storing – and are carbon neutral. Tetra Pak offsets its production by purchasing Renewable Energy Certificates.

For more information visit www.tetrapakusa.com



Tetra Pak
protects what's good™

high-tech, intriguing package at the booth was a one-of-a-kind, stay-fresh, reclosable PET tray for Oscar Mayer Center Cut Bacon (8). An addition to Oscar Mayer's Ready to Serve Bacon line, the Center Cut product package was developed after consumers asked for it, the company reports. The clear tray with a snap-on, clear PET lid over a peelable film membrane offers less mess, while the reclosable benefits are what Kraft says consumers have been looking for. The container structure—the technology and specifics of which Kraft declines to reveal—won't take up additional space in the refrigerator, is sturdy and allows easy access to the bacon slices inside.

“We listened to people’s concerns about traditional bacon packaging and designed the stay-fresh reclosable tray to help solve those issues,” says Beth Goeddel, senior brand manager for Madison, WI-based Oscar Mayer. “We think our new packaging is the ‘best thing since sliced bacon,’ and we’re thrilled to provide an innovative, practical solution that sets the standard for bacon packaging.”

Available nationwide starting this month for an average price of \$3.99 a pack, the innovative, thermoformed tray-pack is merchandised in the grocery refrigerated meat case section. Kraft calls the new package “the bacon industry’s first packaging innovation in more than eighty years.”

Eggland's Best launches hard-cooked, peeled, eggs

Last November, Eggland's Best (EB) rolled out a new and deliciously convenient way to eat hard-boiled eggs. It introduced its resealable, standup pouch (9) that contains 10 hard-cooked, peeled eggs that weigh 0.96-lb. Currently available in select retail markets in the U.S., the eggs feature the same taste, high quality and nutritional benefits as EB shelled eggs, the co. says.

“We at Eggland’s

Best pride ourselves
on providing great tasting and
nutritionally superior eggs. Now,
we're thrilled to offer those same
great qualities with our convenient,

ready-to-eat eggs,” says EB president/CEO Charlie Lanktree.

The product is contract-packed by Almark Foods, Gainesville, GA, and at another plant in Pennsylvania. The pouches are gas-flushed before the eggs are loaded into them.

J. Roy Parcels Assoc. (www.jroyparcels.com) designed the pouches, which sell for about \$2.99, depending on location.

The pouches, which are supplied by **Exopack (www.exopack.com)**, are made from PET film that is flexo-printed in eight colors. A surface coating is laminated to the film to seal the printing. The film is then formed into pouches, and zippers are applied

For busy consumers, EB's hard-cooked, peeled eggs are great for making egg salad or as a simple, healthy snack on the run.

Hard-cooked to perfection and peeled for convenience, this new way to enjoy EB eggs is perfect for cooking.

Compared to an ordinary egg, EB eggs contain 25-percent-less saturated fat and 19-percent-less cholesterol while providing three times more Omega 3 and 10 times more Vitamin E. They also contain 40 percent of a person's daily requirement of iodine and 200 micrograms of lutein.

Discover the many sides of Pliant™



Get your packaging squared away.

- Agricultural
- Barrier
- Food & Beverage
- Custom
- Performance
- Medical
- Personal Care
- Food Wrap
- Printed Products
- Stretch

With the industry's broadest range
of films and flexible packaging,
Pliant gives you the clear-cut advantage.

866.536.0316 | pliantcorp.com



PLIANT™



Gourmet pie gets carton

Packaging for soap-opera star Mary Beth Evans' generously sized, mail-order pie goes gourmet with a striking carton created by Display Pack. The converter designs the sturdy, six-sided container to securely hold the 4.5-lb frozen dessert from **MARY BETH'S APPLE PIE CO.**, with graphics that highlight the pie's homemade origins.

Anne Marie Mohan, Senior Editor

Two years ago, soap-opera star Mary Beth Evans took a pie-in-the-sky idea from inspiration to, literally, pie in the sky. The actress, who appears in the daytime drama "As the World Turns," says that for years, she had prepared luscious, homemade apple pies based on a family recipe for use as gifts. In more recent years, Evans had begun presenting the pies uncooked. "The kids and I thought it would be much more fun for our friends and family to get the pies frozen and uncooked, so that they could enjoy the beautiful smells in their own homes when they baked them."

Catalyzed in 2005 by a newspaper article that compared the merits of various available mail-order apple-pie products, Evans decided to launch her own rendition—a 4.5-lb dessert made in her Pasadena, CA, kitchen. With some marketing help from friends and from soap-opera media, Evans' fledgling cottage industry, known as Mary Beth's Apple Pie Co., quickly caught the attention of specialty food consumers, and in 2006, she hand-made, wrapped and shipped nearly 1,000 pies.

In April, Evans introduced packaging for her pies that replaced a simple cellophane and ribbon wrap. The unique, hexagon-shaped folding carton was designed by Grand Rapids, MI-based converter **Display Pack** (www.displaypack.com) to provide the support required for transporting the hefty pie,

com). It was here that she met with Display Pack sales representative Dan Peplinski, who exposed her to some unique sample cartons designed by the converter.

One sample in particular caught Evans' eye: a six-sided folding carton with an automatic top

In our Creative Services department, we have the luxury of working with 500 manufacturing experts.

while using six panels to tell Evan's "I'll make it, you bake it"™ story.

Until January, Mary Beth's Apple Pie Co. had relied on direct-mail postcards, a company website (<http://marybethsapplepie.com>) and mentions in soap-opera magazines to promote its mail-order pies. Early this year, Evans brought her company to a broader audience when she exhibited at the Winter Fancy Foods Show in San Francisco, sponsored by the **National Assn. for the Specialty Food Trade, Inc.** (www.specialtyfood.com).

designed in a rosette pattern. "The box was so fun and different," she recalls. Furthermore, she adds, she was excited about the possibility of using a more sophisticated package for her product that was easier-to-assemble and provided more protection than her existing wrapping method.

Continued on page 36

A sturdy, six-sided folding carton with an automatic bottom and an automatic top in a rosette-style pattern, left and right, is used to convey 4.5-lb apple pies made by soap-opera star Mary Beth Evans, center.



VERSATILE TWO-DOOR DESIGNED TO DELIVER.

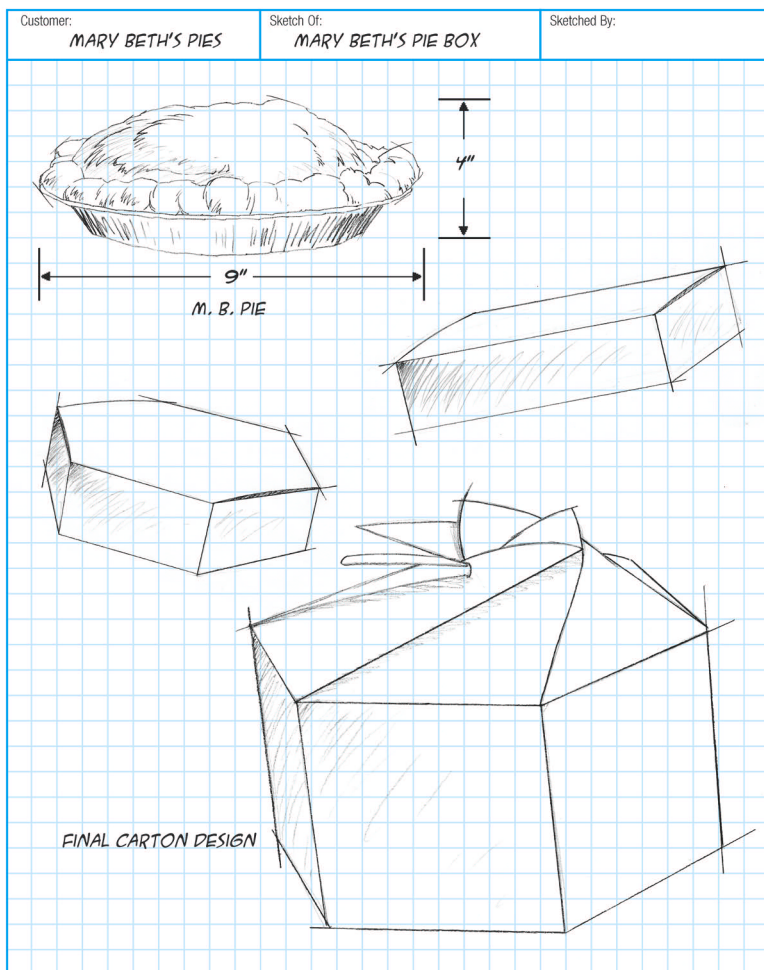


At Gateway Plastics, our one-piece dual-door closures are designed to give customers a better alternative to traditional closures. Gateway Specialty Series closures feature unique customization options to suit your every need.

And, our optimized line speeds and warehouse efficiencies – combined with timely deliveries at affordable rates – work to streamline your process.

With Gateway, you can always bank on smooth sailing.

gatewayplastics.com



"I was packaging my pie the same way I had when I made it for my kids' teachers, which was always a cellophane overwrap tied with shocking-pink raffia ribbons and chartreuse-green letterpress tags," she says. "Everybody loved that packaging; it looked very homemade, and you could see the pie inside. But it was really costly to have someone wrap each pie like that, and it didn't really provide enough protection for shipping."

After the initial meeting, Peplinski returned to Grand Rapids with a Mary Beth's Apple Pie Co. brochure, which Display Pack's Creative Services department used as a springboard to merge the pie company's homespun brand identity with a creative folding carton design that could meet Evans' packaging requirements.

Display Pack, a 500-employee, family-owned business established in 1967 by Roger Hansen as a skin-board packaging provider, today

Shown here is a sketch produced by a member of the Creative Services team during a brainstorming session for the pie carton.

offers thermoforming, printing and contract-packaging services and claims to be the world's top supplier of in-mold thermoforming for automotive applications. With a full complement of services—including creative design, tooling, and warehousing and logistics—Display Pack says it differentiates itself from its competitors by being a single-source provider to customers in a diverse range of industries, including consumer goods, food, health and beauty, cosmetics, hardware, electronics and others.

"We are uniquely differentiated in the packaging industry," relates Marty Tidball, Display Pack's director of sales and marketing. "We are one of the few suppliers that can create a conceptual design and then take that design all the way through the tooling process and then print, thermoform and contract-package, all in-house. We offer stocking and distribution programs as well, so in effect, our customers are only working with one supplier from design to distribution, which reduces their costs and eliminates some of the hassles that a traditional supply chain can create."

In 2005, under the direction of

Talk, talk, talk, talk,
talk, talk, talk,
talk, talk, talk, talk,
talk, talk, talk.



3005 State Road, Telford, PA 18969

Phone: 215-721-4600

equipmentsales@fresco.com

www.fresco.com

The innovative leader in
flexible packaging systems



Multi-Lane
Stick Pack Machine

Form Fill and Seal Machine
With Finishing Conveyor



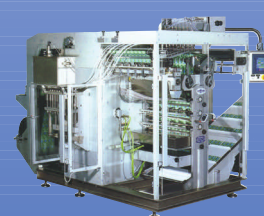
Square Bottom
Gusseted Bag



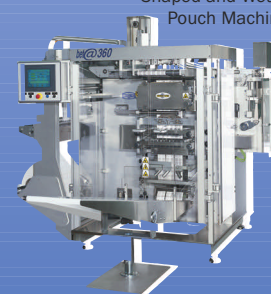
Continuous Motion
4 Sided Seal Pouch



Intermittent Motion
4 Sided Seal Pouch



Shaped and Wet Wipe
Pouch Machine



Roger Hansen's son, Victor, who was named president in 2004, Display Pack formed its Creative Services department. Explains Kristie Vos, graphic arts manager at Display Pack, the department was developed not only to help customers create attractive graphic designs, but it was also established to provide them with innovative yet functional package designs that run quickly and efficiently both on converting and packaging equipment.

"In our department, we have the luxury of working with 500 manufacturing experts," Vos says. "We've seen our customers struggling because they don't have these huge staffs of packaging engineers. We have the expertise on staff to understand the manufacturing process of the package that we are going to be creating for a customer."

The Creative Services department comprises six dedicated staff members. When new projects are brought to Display Pack, the department custom-builds teams that include designers, CAD and tooling specialists, manufacturing experts and other individuals with specific knowledge of the process to be used. For example, for the Mary Beth's Apple Pie Co. carton, the Creative Services department selected a die-cutting expert, as well as representatives from Display Pack's paperboard division to work on the project.

The first step for the Creative Services team when working on a new project is to have a meeting or a conference call with the customer to determine the parameters

for the package. With the Mary Beth's Apple Pie Co. carton, Evans had settled on the structural design from the six-sided sample she had seen; the challenge for Display Pack was to make it sturdy enough to hold the 4.5-lb, 9-in.-dia frozen pie.

Says Elliott Eckert, Display Pack Creative Services structural designer, "The main challenge was the weight distribution on the bottom of this carton. With the pie being so heavy, the original panels needed some reinforcement, so that the pie wouldn't fall through."

The final structure, made from .024 SBS paperboard supplied by **Smurfit-Stone** (www.smurfit.com), uses four, interlocking reinforcement flaps on the bottom of the carton that distribute the weight throughout the structure's six side panels. Bottom flaps are clearly numbered to make manual assembly quick and easy. The six top panels combine to create a unique appearance that tightly secures the carton top when manual pressure is applied.

The carton, Eckert says, was tested to withstand 5 lb, while using the lightest-weight board possible to both save money and be environmentally conscious. The bright, clean board also results in high-quality offset printing, he adds.

When it came to the package graphics, the Creative Services team utilized all six side panels as well as the rosette-style top to communicate the Mary Beth's Apple Pie Co. story. Graphics include photos of the sumptuous pie after baking, a rustic woodcut of a young woman carting

Continued on page 38

The carton is printed one-up in five colors using a sheetfed offset press. With its innovative technology, the press has replaced five of Display Pack's older models.



We're Listening.

Customers tell us we have 20-20 hearing. It's hard to imagine a higher compliment. You see, our primary focus is improving their productivity. So we listen – really listen. That's how we understand a customer's business. How we find the best fit for an exact need. In short, how we design and refine quality cartoners and bagmaking systems with a custom feel for the snack, bakery, frozen/prepared foods, and confectionery industries. Give us a call. You'll find we're all ears.

KLIKLOK • WOODMAN®

www.youtalk-welisten.com



Packaging Machinery With A Custom(er) Attitude.

apples in a wheelbarrow and Evans in her kitchen wielding a rolling pin and pie dough. Complementary text includes Evans' story, baking instructions, nutrition information and a "philosophical" quote from Jane Austen that reads, "Good apple pies are a considerable part of our domestic happiness." The carton's background colors, two "green apple"

shades, are based on Evans' original chartreuse letterpress tags.

Says Evans, "The Creative Services team at Display Pack was incredible. Anything I wanted—a different photo here, a different saying there—they changed quickly and easily."

Adds Eckert, "There was a lot of fine-tuning of the graphics with Evans. We wanted to make sure they

were exactly what she wanted and that they portrayed the right message."

During the converting process, the cartons are offset-printed one-up on a Lithrone 44 press from **Komori** (www.komori-america.us) in five colors. The 44-in.-wide press is one of two sheetfed presses at the facility; the other is a Planeta press from **KBA** (www.kba-northamerica.com).

Targeted Information Resource

Monthly e-Newsletters from Packaging Digest

Keep up-to-date with the latest news, technology applications, product information and industry events with monthly e-newsletters from Packaging Digest. Choose e-newsletters that meet your information needs:

- Food & Beverage Packaging
- Pharmaceutical Packaging
- New Packaging Products
- Packaging Design
- Sustainable Packaging
- Automation & Controls
- RFID in Packaging
- Smart & Active Packaging

PLUS...

- Daily Packaging News

FREE eLETTER SUBSCRIPTIONS

Sign up at www.packagingdigest.com/eletter

PACKAGING DESIGN eLETTER

Sign up at <http://www.packagingdigest.com/designsignup.php>

SUSTAINABLE PACKAGING eLETTER

Sign up at www.packagingdigest.com/info/sustainsignup/



PACKAGING DIGEST
www.packagingdigest.com



Creative Services structural designer Elliott Eckert reviews the design for the apple pie carton on-screen.

com). Finishing is accomplished on **Bobst** (www.bobst.com) die-cutters and gluers, using custom tooling produced in-house at Display Pack.

As Evans' business has grown, she has moved out of her kitchen and into a commercial bakery, where she assists in the preparation of her apple-pie creations. Likewise, her pies are now packed in a more professional manner, with the generous desserts receiving a paperboard collar before being shrink-wrapped and placed in the new, gourmet carton. For shipping, pie packages are placed in a 1.5-in. thick polystyrene box with dry ice that is then packed in a corrugated case.

While Evans reflects sentimentally on her early hand-made packaging days, she says she is thrilled with the new carton from Display Pack. "I'm sentimental about my cellophane because that's how it started with my kids, but the new carton certainly makes me look more professional.

"I love the box," she concludes, "and everyone I show it to thinks that it's great."

More information is available:

Display Pack, 616/451-3061.

www.displaypack.com.

Bobst Group North America, 973/226-8000.

www.bobst.com.

KBA North America, Inc., 802/764-6100.

www.kba-northamerica.com.

Komori America Corp., 847/806-9000.

www.komori-america.us.

National Assn. for the Specialty Food Trade, Inc., 212/482-6440.

www.specialtyfood.com.

Smurfit-Stone, 877/772-2999.

www.smurfit.com.

brand security



In the May issue of PD, this column revealed that enforcement is one of the most significant tools in the battle for brand security. In North Carolina, the Secretary of State's Office provides an excellent example of how one state government is actively combating counterfeiting. Over the past several years, the office has taken a leading role in the fight against counterfeit trademarks in North Carolina, heading up and assisting in enforcement actions to seize counterfeit goods wherever they are sold—from flea markets and roadside stands to boutiques, warehouses and the Internet—making the state unfriendly territory for product piracy.

In 2006, the North Carolina Secretary of State's Office helped take counterfeit goods with an estimated retail value of \$8.1 million off the state's streets. In the first five months of 2007, Secretary of State

So far in 2007, NC Secretary of State investigators have worked 111 counterfeit trademark cases.

investigators have worked 111 counterfeit trademark cases and have seized fake goods worth more than \$2.3 million. All of this with a staff of just two full-time trademark enforcement investigators to cover the entire state. However, those two officers do have considerable "backup" from local law-enforcement agencies across the state.

In 2004, the office established the North Carolina Anti-Counterfeit Trademark Task Force to train local law-enforcement officers to spot knockoff products and coordinate enforcement actions across their traditional jurisdictional boundaries. The taskforce has grown from 10 officers in 2004 to a current team of 31 local and state officers, with many more getting taskforce training in how to conduct their own anti-counterfeit enforcement actions.

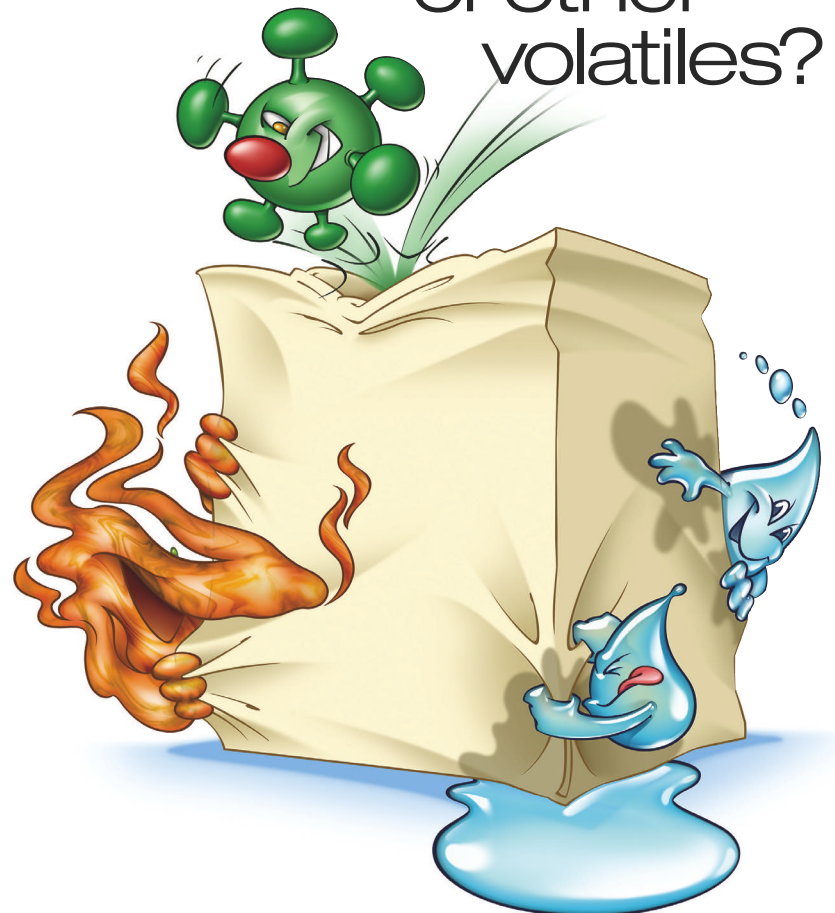
North Carolina Secretary of State Elaine F. Marshall notes that the focus on interagency coordination has been an overwhelming success. "We're seeing such an incredible response from local law enforcement, ranging from the willingness to work together with state and federal investigators, as well as other local agencies, to the increased awareness of trademark violations as a serious crime," she says. "We now routinely have local officers who may raid a location for some unrelated crime and immediately recognize when there are likely counterfeit trademarked goods on the premises as well."

Marshall says that working such cases also helps make the case in local jurisdictions for the active enforcement of trademark laws. "I think that seeing items like pirated DVDs and counterfeit designer jeans alongside a cache of illegal drugs or weapons has really driven home the point for a lot of officers," she says. "There is increasing awareness that the same criminal avenues that bring in those knockoff Prada handbags and designer clothes one day also can bring in physically dangerous knockoff electrical extension cords, fake pharmaceuticals or counterfeit baby food, not to mention illegal drugs or weapons. That's why a zero-tolerance policy for counterfeit goods is so vitally important. That point is truly hitting home now for more and more local law enforcement agencies and more district attorneys across North Carolina largely because of the work of the taskforce."

The North Carolina Secretary of State's leadership and the success of the North Carolina Anti-Counterfeit Task Force have also caught the attention of the U.S. Patent and Trademark Office and the U.S. Chamber of Commerce, which recently picked North Carolina to play host to the first of a national series of forums focusing on the danger and the cost of counterfeiting and product piracy to the U.S.

For more information, visit Secretary of State Elaine F. Marshall's website at www.sosnc.com.

Is your product under attack by moisture, oxidation, odors, or other volatiles?



As the world leader in active packaging technology, Multisorb is here to protect your product.

From desiccants and oxygen absorbers to volatiles absorbers and humidity control, Multisorb has over 1,400 different sorbents to protect your packaging from moisture, oxidation, odors, liquid spills, and more. Multisorb offers multiple solutions, often with multifunctional formulations, to answer your specific challenges. With more than 40 years experience, Multisorb can solve your toughest problems.



FreshMax® and FreshPax® Oxygen Absorbers



SorbiCap® Sorbent Canisters



MiniPax®/StripPax® Desiccant Packets



Sorbent Dispensing Systems



Contact us for more information today.

MULTISORB
Technologies



©

multisorb.com 1-888-SORBENT (767-2368)

The PLC on the vf/f/s machine maintains the recipes for all of the products in memory, and the operator can recall them at a touch.

A vertical form/fill/seal machine, with a radial weighing system, runs more than 1,000 skus at International Foodsource, LLC, a supplier of bagged dry products to retail and foodservice companies.



Vertical form/fill/seal machine runs dry products

Jack Mans, Plant Operations Editor

International Foodsource, LLC supplies high quality, natural dried food products from all over the world to customers in the U.S. The major part of its business is retail accounts, such as the H-E-B grocery store chain headquartered in San Antonio, TX, but it also supplies larger-size packages of products to foodservice companies. IFS was started in 2004 and moved into its present 100,000-sq-ft facility in 2006, where it is currently running more than 1,000 stock-keeping units, some packaged in up to seven configurations ranging from small retail packs to large industrial sizes.

Since its founding, IFS has purchased 13 automatic scales and bagging machines from **Weighpack Systems, Inc.** (www.weighpack.com), ranging from their first in 1996, a two-lane Tigerscale and Zippy bagger that run preformed bags, to their current high-speed vertical form/fill/seal machines with overhead combination radial weighing systems. In fact, IFS president David Lipson bought the first bagging machine that Weighpack ever built. "I'm very happy with Weighpack," he says. "Their pricing is very reasonable, and their machines are extremely rugged and high quality. I run a lot of product, and if the machines weren't as tough as they are, I'd break them."

Most recently, IFS has installed two XPdius

800 vertical form/fill/seal machines equipped with 10-head radial scale systems from **CombiScale** (www.combyscale.com). In this operation, a roll of film is mounted on the back of the XPdius machine and is pulled into the forming section by two servo-driven pull belts. The film passes over a series of rollers and dancer bars at the top of the f/f/s machine that maintain the proper back pressure on the film as it is pulled continuously through the machine. The film

The vf/f/s supplier has done everything I asked them to, and they are at the top of my list of suppliers.

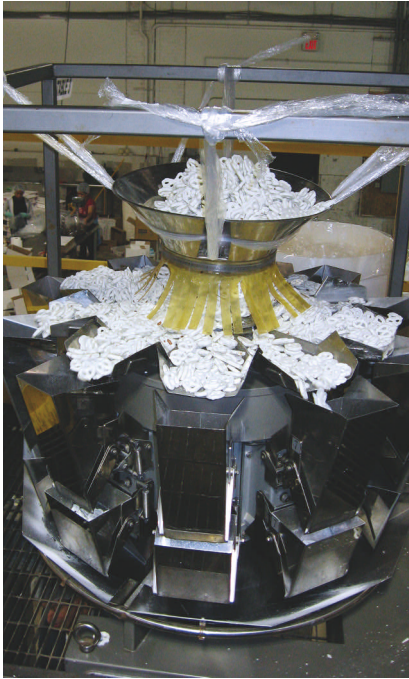
passes around a forming tube on the front of the unit, and a vertical heating element produces the vertical overlap seal. During PD's visit, the line was running yogurt-covered pretzels, and these drop intermittently from the overhead weighing system through the forming tube into the intermittently moving, formed cylinder of film as it leaves the vertical forming section.

Next, the film passes through the servo-driven sealing jaws, which move in against the film and induction-heat a horizontal seal across the film.

At the end of each sealing cycle, before the jaws disengage, an air-actuated blade shoots out from the center of the jaws and cuts the bag loose, after which it drops onto the takeaway conveyor.

Although it is not needed for the clear film that IFS is running, the vf/f/s is equipped with a sensor mounted on the film carriage that detects the eye mark on the film. If the plant were running printed film with such an eye mark or registration spot, this sensor would initiate the start of each cycle. It compensates for any slight changes in the film length and ensures that the film for each bag would always be in perfect registration. This system basically tells the horizontal sealer and cutoff knife when to energize. The machine is controlled by an Allen-Bradley programmable-logic controller and incorporates an A-B PanelView operator panel and A-B Ultra 3000 servo drives that operate the vertical sealer, the left and right pulling belts and the seal jaws/knife assembly. The Allen-Bradley components are supplied by **Rockwell Automation** (www.rockwellautomation.com).

The PLC maintains the recipes for all of the products in memory, and the operator can recall them at a touch. The unit automatically sets the operating parameters, including the sealer temperatures and the servo drives that, among other things, set bag length. The screen can also be actuated to display the settings currently in use, causes of operating problems and



Product for the vf/f/s machine is weighed by the 10-head CombiScale radial-weighing system that is located on a platform above the machine.

maintenance requirements.

Product for the vf/f/s machine is weighed by the 10-head CombiScale radial-weighing system that is located on a platform above the machine. Bins of product are lifted onto the platform by a fork truck, and a worker loads it into an elevator that delivers it to a funnel that discharges onto the weigher's dispersion table.

The dispersion pans transfer the product to the 10 radial feeder hoppers, which, in turn, move the product by vibration to the weigh buckets. Each radial feeder adjusts the strength and duration of vibration to ensure an ample supply to the hopper. Once the product is in the hoppers, the weigher's computer selects a combination of buckets (generally three or four) that cumulatively equals the closest weight to the total bag weight without being under that weight. The selected hoppers then open and discharge their contents down the discharge chute to the bagger.

The scale features an easy-to-use computer-controlled operator interface that provides a clear display of charge weight as well as various statistical data. The interface is located on the first floor next to the bagging machine, so the operator can interact without climbing up to the platform. The scale also is designed for easy sanitation by featuring simplified cleaning. Product contact parts are easily removed without tools.

Bags drop from the vf/f/s onto

I run a lot of product, and if the machines weren't **as tough** as they are, I'd probably break them.

an upward inclined conveyor that discharges onto a horizontal conveyor where a worker applies a label to each bag. The labels are dispensed from a roll by a Dispensa-

Matic U-45 power-advance label dispenser from **M-Pak Systems, Inc.** (www.mpaksys.homestead.com). In this operation, each time the worker picks a label, the dispenser

automatically peels the next label from the roll and presents it for application.

Because of the huge number of bulk products it receives and the number of skus in its inventory, IFS puts a major emphasis on tracking its products, beginning with incoming products Continued on page 42



Innovation for impact



▲ Scented Labels



▲ Prismatic Labels



▲ Timer-technology Labels

From blank labels to patented packaging constructions, WS Packaging Group offers unique solutions to propel your brand to the next level:

- More than 30 unique printing patents and 27 product lines
- Online ordering, proofing, and brand graphics management
- 3 R&D labs and 17 strategically located printing and packaging facilities



WS Packaging Group, Inc.

Leaders in Printing and Packaging Worldwide

For a free consultation call 800-340-3424 x6231, e-mail info@wspackaging.com or visit wspackaging.com

LABELS & TAGS

COUPONS

PROMOTIONS & GAMES

FOLDED CARTONS

RFID SOLUTIONS

LABELING EQUIPMENT

DECALS

OVERWRAP

We may package 10 or 15 different products a day, but we try to minimize the number of **size changes** we make.

and continuing through every lot of finished products. "We receive dried products from all over the world, and for every container of incoming product, we print a label that

contains a lot number that enables us to track who produced it, where it came from and when we received it," says Lipson. "This raw product lot number goes with the product

through the packaging operations, and every finished package has its own label with its lot number or expiration date that connects to the incoming product lot number and also tells when that package was produced and on what packaging line."

The labels are printed on Z4mPlus thermal-transfer printers from **Zebra Technologies**



For more information about form/fill/seal operations, visit Packaging Digest's **FILL, F/F/S TECHNOLOGY CHANNEL** at www.packagingdigest.com/info/formfill

International, LLC (www.zebra.com). The data is accumulated on the company's inhouse computer and is transmitted to the individual printers over the internet. "We track our incoming-product inventory and our packaged-product inventory with their lot codes on our computer, along with orders and shipments, so we know the exact status of every product we make," says Lipson. "We use this data to schedule our daily production on our packaging lines. We may package 10 or 15 different products a day on a line, but we try to minimize the number of package-size changes we make. The computer keeps track of these requirements and optimizes the production schedule.

"Weighpack has done an excellent job for us," continues Lipson. "My work is a challenge. I run lot of different products, but Weighpack never took a negative attitude about any of it, and I've never had any problem that they couldn't handle. I bought one of the first XPdus machines, when Weighpack introduced that line, and they came down for a week to help me get it up and running. It turned out that we didn't need that much help, but it indicates their great service.

"Weighpack has done everything I asked them to, and they are at the top of my list of suppliers. In fact, I'm getting quotes from them right now for more machines." In fact, Lipson is so pleased with the Weighpack machines that he has ordered a new dual-servo driven stainless-steel-construction XPdus 1200 vf/f/s equipped with a 14-head CombiScale for even higher speeds.

More information is available:

Weighpack Systems, Inc., 514/422-080. www.weighpack.com.
CombiScale, Inc., 847/806-0606. www.combyscale.com.
M-Pak Systems, Inc., 336/378-6036. www.mpaksys.homestead.com.
Rockwell Automation, 414/382-2000. www.rockwell.com.
Zebra Technologies International, LLC, 847/634-6700. www.zebra.com.



1-800-SMC-SMC1

SEARCHING FOR MORE THAN JUST PNEUMATICS?

- **Energy Savings Program / On-Site Audit**
- **Global Support / Local Inventory**
- **Engineering Solutions**
- **Downloadable 2D and 3D CAD Drawings**
- **ROHS Standard Compliant Product**
- **Training Centers and On-Site Instruction**
- **Static Discharge Elimination**



HY Series
Hygienic Cylinders For Washdown Applications



VFD Series

*VFD Series Valve For Zero Pressure Accumulation
Conveyor System Allows Products To Be
Transported Efficiently Without Damage.*

- Voltage Options: 24VDC and 110VAC
- IP65 Enclosure
- Cv: 0.10



ISE/ZSE Series
Pressure And Vacuum Switches



www.smcusa.com

system integration



The 2007/2008 edition of *Packaging Digest's* annual "System Integrator Guide" appears in the Suppliers Guide mailing with this issue. It includes 455 contract-engineering firms that provide some form of automation system integration services to manufacturers in the packaging industry.

Almost three quarters of those packaging system integrators have entered the industry since 1982, which amounts to more than one per month

System integration—often an accidental career

over the last 25 years. And twice as many system integrators have begun serving other automated industries over the same period.

So where did they all come from? Anecdotal evidence suggests that engineering companies rarely start out with the intention of becoming system integrators. Most stumble into the industry by accident.

Perhaps the most common origin story for system integrators starts with a major manufacturer trying to cut costs by laying off its entire automation department. Those downsized engineers then come back to work as contract employees with the same

responsibilities but fewer benefits. Eventually the contract work dries up too, and those engineers are forced to branch out, looking for other clients.

A common variation on this story features under-employed engineers from related industries who are willing or perhaps even eager to have a go at owning their own business. After all, the cost of entry into the system integration industry is very low, and the required technical expertise can

often be accumulated on the job. As one recently certified member of the Control System Integrator Association (CSIA) has said, "It's not rocket science. Our clients pay us to read the manuals."

That's not to say that just anybody can succeed in the system integration business. According to *Packaging Digest's* sister publication, *Control Engineering*, automation system integrators also disappear at a rate of 7 percent per year, often for lack of the skills necessary to run a business. Incidentally, not a single CSIA-certified system integrator has ever gone out of business since the organization began auditing its members' business

practices in 2001.

Some existing businesses have also switched to the system integration business, especially automation vendors and distributors. They already have experienced automation engineers on staff to provide product selection and troubleshooting advice to their clients, so it's generally not much of a stretch to start hiring them out for entire projects.

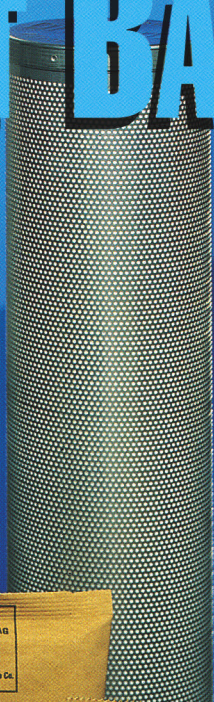
Ironically, the career path that is rarest amongst system integrators is formal academic training. Although most system integrators are staffed with degreed engineers, they've usually majored in the traditional engineering disciplines, not in "automation system integration engineering" per se. The most notable exceptions are graduates of the Center for Automation and Systems Integration (CASI) at Indiana State University's College of Technology. CASI is focused on research and development in the areas of automation, control systems and system integration and brings together academic and industry professionals for system integration projects and seminars. See www.indstate.edu.

—Vance VanDoren, vance@control.com

DESICCANT BAGS

Our entire line of desiccant products are available for immediate shipment at substantial savings to you!

Outperforms other desiccants
Large and small orders welcome
Completely safe and non-corrosive
Includes humidity indicator cards
Call for technical assistance
FREE brochure



W.A. Hammond DRIERITE Co., Ltd.

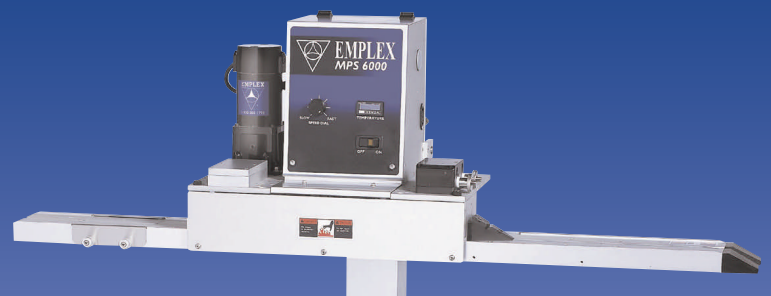
P.O. Box 460, Xenia, Ohio 45385

937-376-2927 • FAX 937-376-1977

www.drierite.com

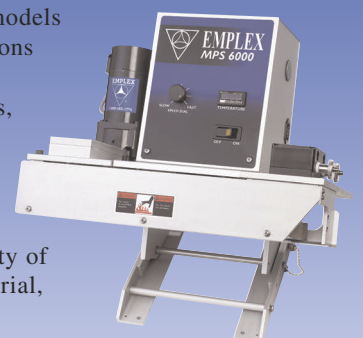
EMPLEX

BAG SEALING SOLUTIONS



The latest in continuous bag sealing technology, the MPS Series partners utmost versatility with practical functionality.

- Table-top, standalone and conveyorized models adapt to a wide range of sealing applications from light-weight to heavy-duty.
- Add-on options include trimmers, printers, embossers and more!
- Variable speed, pressure and temperature controls.
- Validatable and standard versions.
- Full range of models designed for a variety of industries including food, medical, industrial, merchandise and many more!



THE MPS 6000, MPS 7000 AND MPS 14000 SERIES OF BAND SEALERS

www.emplex.com

info@emplex.com

800 265-1775

PLEXPACK



Tubes drop into a 15-position turntable that transports them through filling, sealing and inspection sections.

Perrigo Co. has more than 20 tube filling/sealing machines running an assortment of **PHARMACEUTICAL AND NUTRITIONAL PRODUCTS.**

Tube machines run pharmaceutical products

Jack Mans, Plant Operations Editor

Perrigo Co. is a leading global healthcare supplier and the world's largest manufacturer of over-the-counter pharmaceutical and nutritional products for the store-brand market. The company also develops, manufactures and markets prescription generic drugs, active pharmaceutical ingredients and consumer products. It operates manufacturing facilities in the U.S., Israel, the U.K., Mexico, Germany and China.

PD recently visited the Perrigo plant in the Bronx, NY, which produces products in tubes. The plant began production in the '80s, running plastic and metal tubes on machines manufactured by **CO.MA.DI.S. (www.comadis.com)**, and it now has more than 20 of these machines in operation. These machines are now supported in the U.S. by **IMA Nova (www.imanova.com)**.

"We've had the CO.MA.DI.S. machines since 1982, and they've done an excellent job for us," says Perrigo's maintenance manager, Alixardo Reyes. "We've looked at other machines, but staying with the same manufacturer reduces our spare-part requirements, and our employees'

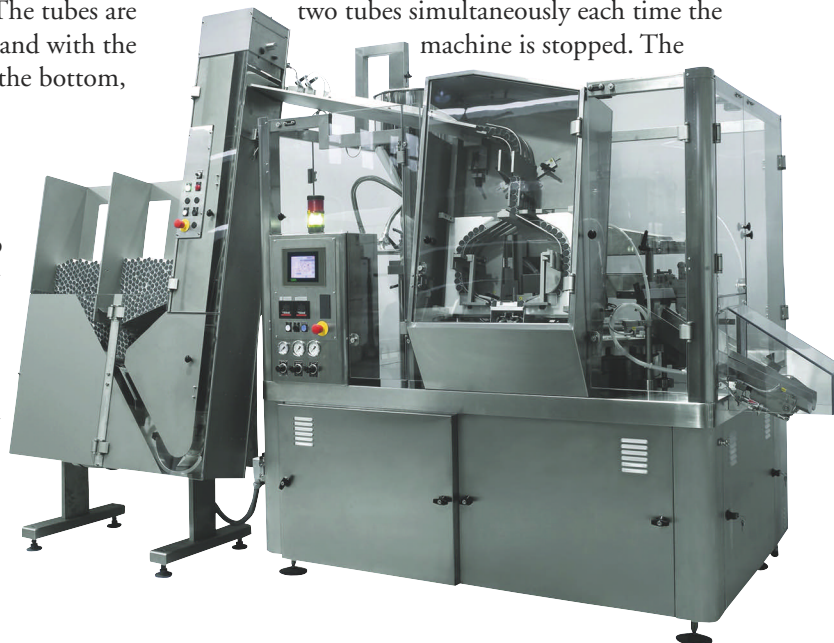
familiarity with their equipment is a huge benefit. We have people with twenty years of experience with this equipment, and they know as much as the manufacturer does about it."

The newest CO.MA.DI.S. machine at Perrigo is a fully automatic Model CD180 dual-head machine that fills and seals two tubes simultaneously and achieves speeds of 180 metal tubes/min and 170 plastic tubes/min. The tubes are supplied with the tops already in place and with the bottoms open. They are filled through the bottom, then sealed.

The tubes are placed in a loading machine mounted beside the filler/sealer, and are conveyed up an elevator that drops them onto a tray that is feeding the machine. The tubes then drop into a vertical chute that splits into two vertical sections in a waterfall configuration and drops them into cups in a 15-position turntable. The CD180 is an intermittent-motion machine, and the tubes discharge into the cups when the machine is stopped.

Two tubes are delivered simultaneously, one from each vertical feed zone. A stepper motor turns each cup as the turntable rotates, and an automatic print-registration system inspects the printing on the tube and stops the cup at the proper point, so that the tube is oriented properly for sealing.

Next, the tubes are filled. The product is in a hopper beside the machine, and a piston pump fills two tubes simultaneously each time the machine is stopped. The



tubes simultaneously each time the machine is stopped. The system has a fill accuracy of ± 0.5 percent. After each fill cycle, air is blown through the fill nozzles to make sure they are clear and to prepare the nozzles for the next tubes. The filled tubes are then delivered to the sealing unit, which seals two tubes at a time. This machine, which is running plastic tubes, is equipped with a hot-air sealing system. The machine can also be equipped with hot-jaw, high-frequency or ultrasonic sealing units for plastic tubes or with normal, double or saddle-fold sealing for aluminum tubes. In the hot air sealing operation, air at about 900 deg F is blown against the tubes to soften the plastic. The tubes then enter the sealing jaws through which chilled water is pumped to help set the plastic. The jaws are equipped with a type chase where up to 10 metal characters can be inserted to emboss a code on the tubes when the jaws close.

Perrigo runs tubes ranging in size from 0.5 to 4.5 oz, so different size tube-handling parts and fill nozzles are required, but the changes on the filler/sealers can be made without tools. To further ease changeovers, the sealing heads are equipped with a patented system that automatically adjusts them in relation to tube size.

The sealing machines are controlled by a programmable logic controller and also have color touch-screen operator interfaces that display machine functions and faults. The operator can adjust the fill volume, operating speed and other operating parameters from the panel, which will remember the setting for different products. A sensor reads the bar codes on the tubes as they discharge from the machine and stops the machine if there is a discrepancy between the reading and the product that is supposed to be run. The tubes discharge onto a conveyor that transports them to a cartoner.

CO.MA.DI.S. is headquartered in Senago, Italy, and offers tube filling equipment for various applications, running at speeds from 30 to 250 tubes/min. Sales and technical support is handled by IMA Nova, based in Leominster, MA, which also manufactures a wide array of tablet and liquid packaging equipment. Both companies are part of IMA S.p.A., which includes 15

Continued on page 46

Machine operations, including sealing, right, take place when the intermittent-motion machine is stopped. A reciprocating arm, far right, picks tubes from the cups and drops them down the discharge chute.



From pens to pop — and everything in between

Introducing the Brand-Master 450L sleeve labeling system – versatility at an affordable price

Whatever your sleeve labeling challenge, the new Brand-Master 450L can provide the quality, speed and efficiency you need – at a price you can afford. From tamper-proof banding to full-body labeling in all shapes and sizes, Brand-Master is the ideal solution. The accumulating system, with precision roller design, delivers 450 BPM with 100 mm label height, and the high-speed splicing system permits reel change “on the go.” A single inserting head minimizes maintenance. Sturdy stainless steel construction and simplified user friendly controls provide less downtime and faster training.

Proven productivity

Exclusively imported by KGK International, the Brand-Master 450L is in service throughout the world in an extensive variety of sleeve labeling applications.

Contact us today and discover the advantages – and the economy – of the Brand-Master 450L.

Call or e-mail Tom Donnowitz at 847-465-4415 or tdonnowitz@kgki.com.

BRAND-Master™ Model 450L

Power Source	3P/220V-415V
Production Rate	450BPM (label length: 3.94"/100mm)
Range of bottle diameter	1"-5" (25mm-125mm)
Label length range (height)	1"-11.8" (25mm-300mm)
Label thickness range	.00138"-.00315" (.035mm-.08mm)
Material (of label)	PVC, PET, OPS
Main motor	4.5 KW
Machine dimensions (LxWxH)	46.85"x49.21"x82.68" (1190x1250x2100mm)

DEALER INQUIRIES INVITED.



KGK International Corp.

Meeting Local Challenges with Global Technology™

HEADQUARTERS **ATLANTA**
Buffalo Grove, IL Suwanee, GA
847.465.0160 678.442.1770

Visit us at our
corporate website
www.kgki.com

© 2007 KGK International



Finished cartons are conveyed to an intermittent-motion bundler that shrinks multipack cartons in six-pack (1×6) and 12-pack (2×6) configurations.

manufacturing facilities throughout the world, offering an extensive range of automatic processing and packaging equipment.



HI-TECH PHARMACAL CO. has installed seven Kalish Filltronic in-line fillers from IMA Nova to run liquid products. Read about it at www.packagingdigest.com/info/hi-tech



Introducing C400/C500 TC Constant Heat Seal Bar Vacuum Chamber Systems

- ISO 11607 Compliant Validation Package
- Thermocouple controlled, constantly heated seal bars
- Gas flushing capabilities for low residual oxygen requirements
- Precision parameter control and alarming capabilities
- Production data acquisition
- Visual and sounded alarm tree
- External calibration and validation ports
- IPC touch screen control panel
- Busch vacuum pump
- Stainless steel and anodized aluminum construction
- Quick change capabilities for multiple product sizes

That's Multivac.

For more information, please call us at 800-800-8552 or e-mail muinc@multivac.com

Need Seal Validation and Low Residual Oxygen?

You asked for it...
Multivac has delivered.



MULTIVAC
BETTER PACKAGING

Finished cartons are conveyed to a PH-24L bundler from **Polypack, Inc. (www.polypack.com)** that shrinks multipack cartons in six-pack (1×6) and 12-pack (2×6) configurations. The PH-24L bundler is an intermittent-motion sleeve wrapper that creates bull's-eyes packaging. It uses a motorized pusher assembly to transfer the products to the wrapping and sealing section. Stabilizing modules and guides facilitate the feeding of unstable products. This shrink wrapper includes gates, barriers and decompression plates to alleviate

We've looked at other machines, but staying with the same manufacturer reduces our spare-part requirements, and our employees' familiarity with their equipment is a huge benefit.

back-pressure-induced problems when running flexible products.

Perrigo's PH-24L system has a 24-in.-wide self-leveling, Teflon®-coated hot-knife seal bar and a long, double-insulated tunnel with two fans that reduce energy consumption.

The collation assemblies of the PH Series can divide, re-orient, rotate, upend, multirow or stack product as required. Like all Polypack shrink wrappers and packaging equipment, the PH Series is designed with an in-line or side infeed and incorporates PLC controls and a self-monitoring, diagnostics-panel touch-screen interface.

More information is available:

IMA Nova, 978/870-0199.
www.imanova.com.
CO.MA.DI.S., 39 (02) 99010284.
www.comadis.com.
Polypack, Inc., 727/578-5000.
www.polypack.com.

sustainability



In cradle-to-cradle systems, sustainable material flows are divided into biological and technical metabolisms. A unique characteristic of many renewable materials is that they can be recycled (technically recovered) or composted (biologically recovered). This gives renewable materials a broad array of post-use options not shared by many technical materials, like plastics or metals.

There is increasing interest in the managed composting of organic and renewable materials.

There is increasing interest in the managed composting of organic and renewable materials.

In the U.S., landfills are one the most significant man-made sources of greenhouse gas emissions (GHGs) due to the anaerobic decomposition of wet, biodegradable materials (primarily vegetation and food). While studies of landfills have revealed that on the whole, they tend to be tombs rather than composting reactors, these studies have also found that wet, readily degradable materials tend to decompose rapidly, resulting in the evolution of methane—a greenhouse gas 21-times more potent than carbon dioxide. As a consequence,

the diversion of wet, organic materials will likely become an important area of focus as the U.S. considers how to reduce its GHGs. San Francisco already has an aggressive, managed composting program that is diverting organic waste from landfills. The resulting compost is used for local agriculture. Several European countries are also pursuing managed composting.

The introduction of bioplastics over the past several years has helped to catalyze the discussion

of composting within the packaging community. Along with wet, organic waste, packaging made from renewable and compostable materials will be a likely candidate for landfill diversion. Clearly, recycling is a higher-value recovery option for many renewable materials, but foodservice packaging, which is often contaminated with food and grease and not a candidate for recycling, can

be very suitable for composting as long as it is designed with that end in mind. Designing packaging for composting will be especially important to ensure that any coatings, inks or other components are suitable and safe for composting systems. Experience to date suggests that beyond certification of compostability (e.g., Biodegradable Products Institute [BPI] or DIN CERTCO), commercial composters will require validation that packaging is safe and won't compromise the quality of their compost before they accept it at any significant volume.

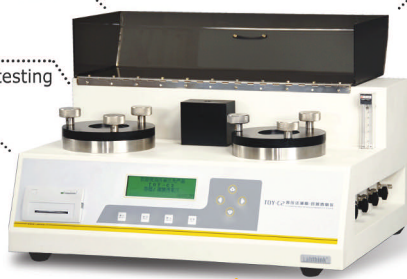
Managed composting strives to provide the optimal moisture, oxygen and temperature conditions to produce quality compost. Thus, most emissions occur in the form of CO₂. Like aerobic biodegradation in nature, managed composting allows organic, renewable materials to be recovered in a carbon-neutral manner and to produce a beneficial soil amendment. For more resources, go to www.packagingdigest.com/info/green8.

Anne Johnson is the director of the Sustainable Packaging Coalition, a project of GreenBlue (www.greenblue.org). For additional information, email info@sustainablepackaging.org.

THE BEST PERMEABILITY TESTING INSTRUMENTS

TOY-C2 Film & Package Oxygen Permeability Tester

- Free from the interference of power off
- Precise & effective testing cell for bottles
- High resolution
- Coulometric methods
- Comply with ASTM.ISO standards
- Double models for package and film test



ASTM D1434 ASTM D3985 ASTM E96 ISO 15106

- LABTHINK - A brilliant producer of flexible packaging quality control instruments.
- LABTHINK has provided tens of thousands of its quality products to over three thousand customers world-wide in the flexible packaging industry and gained sound reputation in the last decades.
- Tel: +86 531-85811021 +86 531-85864214 Fax: +86 531-85812140
E-mail: trade@labthink.cn
www.Labthink.cn

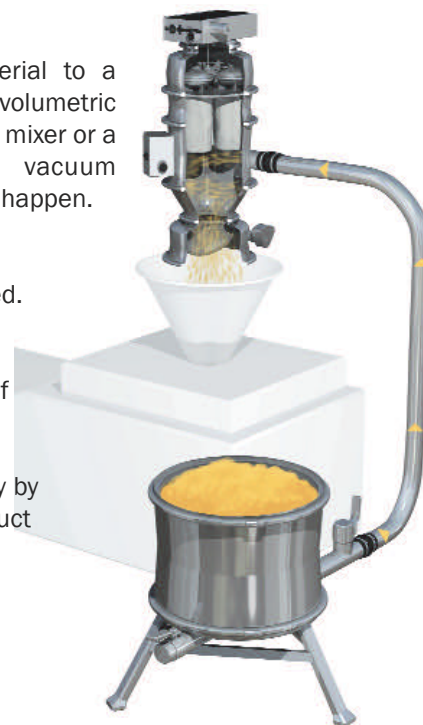
Labthink®

Sanitary Hygienic Dust-Free

The best solution for moving bulk materials in packaging is with PIAB Vacuum Conveying.

Whether you're feeding material to a form, fill, seal machine or a volumetric feeder or feeding material to a mixer or a blender, PIAB's C-Series vacuum conveying systems make it all happen.

- Sanitary - 3-A & USDA accepted.
- Hygienic - quick-change filters prevent cross-contamination of ingredients.
- Dust-Free - vacuum technology by compressed air prevents product blow-by or leakage.



PIAB
Innovators in
Vacuum Technology

For more information, call (800) 321-7422/(781) 337-7309 or e-mail us at info@piab.com

www.piab.com

Christian Book Distributors installs **PRINTER/APPLICATORS** equipped with thermal-transfer printers to produce labels that are smoothly and quickly applied to shipping cases.



The label on each case is generated by the packing list inside the case and is specific for that case. Once the label is printed, it is released to the tamping system, which is triggered by the case as it approaches. The arm with the label extends and stops 0.125 in. from the case, after which a blast of air blows the label onto the case.



Printer/applicator puts its label on Bible distributor

For Christian Book Distributors (CBD), Peabody, MA, the world's largest distributor of Christian Bibles, books, videos, music and artwork, speed and uptime are crucial to its distribution. When both UPS and the USPS informed CBD it needed to reposition the shipping labels on its cases, the company knew it needed to make a change.

In order for the company to receive a significant discount based on shipping volume, it had to switch its shipping labels from the case sides to the case tops. More than 100 of the company's scanners would have to be rearranged, because they were not oriented to read labels placed on the tops of the cases. In addition, CBD needed a printer/applicator that could print and apply shipping labels at a high speed. The cases were piling up because the labels were not printing fast enough, resulting in bottlenecks on the conveyor line.

CBD needed an effective solution to its shipping-label problem. **PEAK Technologies** (www.peaktech.com), a system integrator focused on supply-chain automation and inventory management solutions and services, had been a strategic partner to CBD's information-technology department for more than 13 years. So when it came time to find a provider for new printer/applifiers, PEAK offered its expertise in this area

as well. "We wanted to keep our solutions under one umbrella," says John Roden, distribution manager for CBD. "We chose PEAK because we have a lot of respect for them, and we have a strong relationship. They also provide excellent service and support for stationary applications."

The chosen solution was Peak's CTM 3600 printer/applifier, which incorporates a Model 110PAX4 thermal-transfer print engine from **Zebra Technologies Intl, LLC** (www.zebra.com). CBD purchased four of these CTM printer/applifiers from PEAK in the summer of 2004,

demand on the printer to run faster."

The CTM printer/applifier also solved an unexpected problem with CBD's existing print engines. Because the print engines were based on older technology, they didn't have the ability to print bullseye (2D) bar codes. The Zebra/CTM's updated technology allowed CBD to avoid rearranging the company's 100-plus factory scanners. "In general, label applicators are complicated pieces of equipment. They need air, electricity, ink, paper and glue, all in one

We chose this printer/applifier company because we have a lot of respect for them, and we have a strong relationship. They provide excellent service and support.

as its main motion applicator, and it has recently added two more printer/applifiers, which will be used as a subsystem and located on another floor of the factory. "Because of the top-down labeling requirement, we were able to meet the post office requirements, while increasing efficiency," says Roden. "With our previous solution, the labels weren't being applied in a timely fashion, placing more demand on us, which in turn, placed heavy

small spot, while functioning to apply labels," explains Roden. "But the CTM is one of the most stable applicators. It runs smoothly and efficiently."

The new applicators answered CBD's call for a faster solution, increasing speed by 15 to 20 percent, while reducing downtime and labor. "Rather than modifying what we had, we chose to invest in new applicators," says Roden. "Because



For more information about labeling, visit Packaging Digest's LABELING TECHNOLOGY CHANNEL at www.packagingdigest.com/info/labeling

of the amount of downtime we were experiencing using competitors' equipment, we saw a tremendous improvement in uptime alone with the new solution. PEAK's solution was more reliable."

PEAK's CTM applicators are designed for easy operation and simple maintenance. Before installation, a site survey was required to determine factors such as conveyor speed and the orientation of the cases to the applicator. In addition, training was offered during the installation process to ensure employees knew how to integrate and operate the system. A specialized PEAK technician came in and set up the printer/applicators and trained the staff on how to set parameters for delay and dwell time, adjust air pressure, clean print heads and troubleshoot potential problems. Maintenance employees were taught how to fine-tune the equipment. "PEAK has helped the technical expertise of our maintenance staff improve so much that we can do more of our own maintenance," Roden says. "PEAK offers life-cycle support for every unit as well, so we know we can always count on them for any issues that may arise."

While CBD's service engineers in production rarely have a need to call in a technician, the IT department has taken advantage of that benefit. "Our IT department occasionally calls in PEAK technicians, because they use 30 to 40 printers in that department," says Roden. "Our major problem is time; it's critical to production. If something is down, we're losing money. PEAK is excellent at service calls. They could be at our facility within minutes."

CBD's busiest time of year is during the holiday season, from November through Christmas. This past year was busier than normal for the company and all four applicators ran at top speed and volume for eight hours a day, without any significant downtime. "Even during slower times we run our machines full out. Because of the new applicators, our employees are freed up to do other jobs. They also proactively replenish catalogs and cases on the

lines. It helps on the operations end," says Roden.

Because of the success of the solution, construction is

underway at the facility to implement a new process in the conveyor system that requires two more applicators to apply shipping labels. Basically, it's an

additional shipping subsystem. It will allow CBD to increase throughput by 20 percent through the conveyor, while increasing volume on the production line through a picking system.

"There is a real cost savings with the system because there are no extended hours or second-shift operations," says Roden. "We're running the machines we have now, and when the two

additional applicators are installed, we'll be adding an extra twenty percent onto production."

More information is available:

PEAK Technologies, Inc.,
800/926-9212. www.peaktech.com.
Zebra Technologies Intl., LLC,

ACCELERATE YOUR VISION

- Fastest in its class
- Advanced vision tools
- Highest resolution
- IP67 rated



New In-Sight 5600 speeds up your line with a new level of vision velocity

The new In-Sight® 5600 family accelerates your vision. In applications such as food and beverage packaging, these vision sensors let you perform inspections at line speeds no others can match.

A standard-resolution model, an ID code reader, and the highest-resolution model in the industry handle all your industrial-grade vision tasks.

In-Sight software includes the industry-leading PatMax® and new advanced optical character reading and verification tools. Plus support for PROFINET communications.

Accelerate quickly to www.cognex.com/insight and find out more, or call 1-800-677-2646.

COGNEX



New Kent multipack cigarette carton from **BRITISH AMERICAN TOBACCO** is smokin', with integrated electronics that engage consumers at the point of sale.

Kent offers a new way to light up

Anne Marie Mohan, Senior Editor

Traditional tobacco-product branding went up in smoke last spring when the BAT Global Travel Services division of British American Tobacco (BAT) launched a light-up carton for its Kent brand of cigarettes. A setup box with a magnetic lid that incorporates electronics to illuminate a line of text when the consumer interacts with the 10-pack carton, the Kent cigarette package was used as an eight-week promotion, with an "overwhelmingly positive" response, in duty-free airport shops in the Asia-Pacific region.

Says Markus Poelzl, global account director for **MeadWestvaco Corp.** (www.meadwestvaco.com), which designed and converted the carton, "The purpose of this promotion was to generate brand awareness for the Kent cigarette brand by creating a package that, while on the retail shelf, attracted the attention of BAT's target customer: hip, affluent, early-adopting consumers."

In development for two years, the 11¼ × 3¾ × 2½-in. carton uses MeadWestvaco's

coated natural kraft (CNK) to provide stiffness and incorporates an electronic module in its lid that uses a circuit board, a touchpad, light-emitting diodes (LEDs) and conductive inks from **T-INK™, Inc.** (www.t-ink.com).

As Poelzl explains, the carton was designed to encourage the consumer to engage with the package. When the consumer presses a red switch in the upper-left corner of the carton's top panel, a circuit board is activated that lights up the words, "Inspired From Within" in a scrolling manner on the front of the carton. The lights stay active for approximately 10 sec before shutting off.

The greatest challenge of the project, Poelzl shares, was to incorporate electronics into a paperboard-based package while meeting cost-point requirements. When MeadWestvaco supplied the initial order of cartons to BAT, the lid's electronic module was manually applied. However, MeadWestvaco notes that automatic insertion is possible.

Recently, the Kent carton was awarded the Top



Innovation Award of 2007 as well as a Gold Award by the **Paperboard Packaging Council** (www.ppcnet.org) in its 2007 National Paperboard Packaging Competition.

More information is available:

MeadWestvaco Corp., 804/327-5200.

www.meadwestvaco.com.

Paperboard Packaging Council, 703/836-3300.

www.ppcnet.org.

T-INK™, Inc., 212/757-0700.

www.t-ink.com.



www.EcoFilm.com
info@CortecVCI.com
1-800-4-CORTEC
St. Paul, MN 55110 USA

Certified 100% Biodegradable & Compostable

EcoFilm® by Cortec® Research Chemists offers universal, biodegradable replacement to traditional plastics and polyethylene films. This patent pending breakthrough meets ASTM D6400 and DIN V 54 900. EcoFilm™ does not contain polyethylene or starch fillers and is up to 300% stronger than non-degradable LDPE. 100% biodegradable, it turns into water and carbon dioxide in commercial composting.

wear it...
and they will see it!



PROMOTE-A-BOARDS™

Let your employees become walking billboards.

They start selling even before your employee greets the customer.

wrap it...
and they will use it!



PROMOTE-A-WRAPPS™

Utilize a world of unused billboard space.

Create clever & targeted marketing strategies that neatly & efficiently promote your product.

tag it...
and they will buy it!



PROMOTE-A-TAGS™

Your silent sales person at the point of purchase.

Capture your customers' attention & encourage impulse buying & first time purchases.

PROMOTABLES™ by Stoffel

800.344.4772 • 800.422.8247 • info@stoffel.com
www.stoffelpromotables.com

new products equipment

Adhesive loading data A flyer is available that reportedly explains the requirements of using the co.'s 3D Auto Fill System, described as an automatic hot-melt adhesive-loading system providing packaging operations with increased packaging reliability, production efficiencies and safety. The co. says the publication includes a checklist for its compact, vacuum-feed unit that continuously replenishes a hot-melt unit's adhesive supply, providing data such as air pressure supply and electrical and space requirements. A copy is free. **National Adhesives**, 866/266-5565. www.nationaladh.com

E-stop pushbuttons Available in 22 and 30 mm, new emergency stop pushbuttons contain a solid brass detent mechanism and enable reliable operation in emergency applications, the co. says. Direct-drive contacts feature a mechanical linkage from the operator to ensure contact separation when actuated. A stainless-steel version is also offered for corrosive environments. The co.'s 2- and 3-position devices, available in both nonilluminated and illuminated versions, are UL-listed and are rated Type 1, 2, 3, 3R, 4/4X, 12 and 13 and IP65, and are CE-marked for use in global applications. **c3controls**, 724/775-7926. www.c3controls.com



Neck banders Said to function at speeds to 1,000 containers/min are the co.'s patented R Series neck banders, reportedly engineered for 24/7 service, with continuous material web flow that doesn't pause for cutting. The machines apply with exceptional precision and repeatability, the co. adds, using 1- to 3-in.-dia bands at heights to 2.375 in., with the unique ability to apply thin-gauge 1½- to 2-mil bands made with PVC, PET, PETG, OPS and PLA film. **PDC Intl.**, 203/853-1516. www.pdc-corp.com

Printer/applicator The Shadow makes its bow as an all-electric print-and-apply system that can function as a tabletop machine or on a stand for in-line labeling. The co. says the machine's plug-and-go design uses an electric tamp applicator requiring no compressed air and is superior to pneumatic systems for top-apply labeling, with a price point starting in the \$8,000 range. RFID models are also available.

Panther Industries, Inc., 303/703-9876. www.print-n-apply.com



W • E • B • C • A • S • T

LEGACY INKJET... Time to Consider Your Total Cost of Ownership

Are you tired of downtime, mess and hidden expenses?

Join RSI Print Systems and Hewlett-Packard for a webcast that explores the challenges of **Legacy Inkjet: Consider Your Total Cost of Ownership.**

There are many factors that affect your total in-plant cost of printing. Some of these include . . .

- Spare parts
- Maintenance fluids, tools and supplies
- Rework – re-packaging, re-labeling, etc.
- Operational management costs
- Maintenance labor
- Line downtime
- Shipping costs

. . . and all of them **directly impact your bottom line.**

This Webcast will help you identify and avoid these costs **AND** show you how you can cut your costs while improving your print quality.

Also learn what HP's Thermal Ink-Jet (TIJ) is and how it works. Plus share a real-life example of how a company lowered its total cost of printing with RSI Print Systems

Available On Demand

presented by **PACKAGING DIGEST**

SPONSORED BY:



SPEAKERS:



Tom Meutsch
RSI, Senior
Sales Manager



Jeff Norton
HP, Sales Development
Manager



Steve Whitman
Mt. Olive Pickle,
Production Manager



Rich Gerber
Mt. Olive Pickle,
Maintenance Manager

MODERATOR:



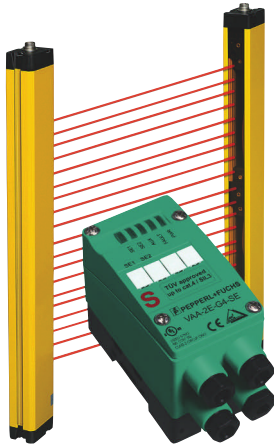
Mary Ann Falkman
Packaging Digest,
Editor-in-Chief

Register for this **FREE Webcast** at www.packagingdigest.com/rsiwebcast

new products equipment

Safety module Said to be compatible with all major industrial control networks is the new VAA-2E-G4-SE AS-Interface Safety at Work module, described as IP67-rated and featuring two inputs for connection of a noncontact Type 4 safety device according to EN 61496-1. The co. says the module powers safety light curtains via a flat, black AS-Interface cable, allowing the connection of standard PNP sensors for muting applications, and is NFPA79:2002- and IEC61508-approved, cUL-listed and carries the CE mark.

Pepperl+Fuchs, Inc., 330/425-3555.
www.am.pepperl-fuchs.com



Liquid filler Suitable for pharmaceutical and diagnostic packaging, the new Mini-Monobloc liquid-filling system is designed for micro-tube applications and is said to perform an efficient sort, orient, feed, fill and cap operation. An operator loads the micro tubes into the vibratory sorting and feed bowl. After orientation, the containers are carried by the flange through the pockets of the turret-indexing assembly. Once in the turret, the micro-tubes are moved through the filling and capping functions. An advanced feature the co. describes is a servo-motor-operated chuck assembly that identifies rejected micro tubes.

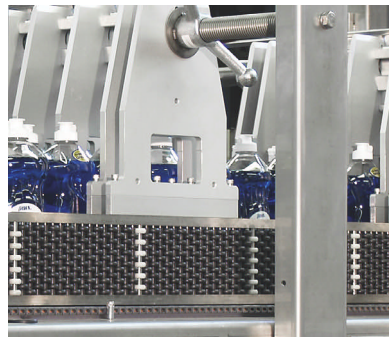
Filamatic/National Instrument, 410/764-0900.
www.filamatic.com

Bagger Designed specifically with a patent-pending, closed system for dust-free filling is the OPAL® bagger. The co. claims that the seal area around the bag mouth remains clean during controlled bagging, with minimal air introduction. The machine is said to have a fully automated f/f/s process, with an operator required only to change film rolls. Handles fill weights to 110 lb.

Windmoeller & Hoelscher Corp., 800/854-8702. www.whcorp.com



Lane guide Designed to reduce friction and container damage on the packing line is the co.'s new Beaded Lane Guide, which reportedly handles nonround, locking and unstable-shaped containers. An exclusive, interleaved design provides a virtually continuous surface for significantly reduced side friction against bottles and containers to protect p-s labels and graphics from damage. The lane guide's stainless-steel assembly components are said to be easy to clean.



Standard-Knapp, 860/342-1100.
www.standard-knapp.com

WRAP 20% MORE LOADS WITH ORION'S 260% FILM DELIVERY SYSTEM

When compared with other brands of stretch wrapping machines that only offer 200% standard prestretch rates, Orion's Insta-Thread™ film carriage comes with 260% standard stretch rate so you'll wrap *more* loads and save *more* money with every roll of stretch film!



orion
a division of Pro Mach

Contact Orion today for more information on our complete line of stretch packaging solutions
(800) 333-6556 • orionpackaging.com

Package analyzer PermMate is introduced as a package analyzer, the co. asserts, that goes beyond flat-sheet material testing to quickly and easily determining whole-package oxygen transmission rates (OTR) for multiple packages. The system is available in various configurations for a range of temperature/humidity conditions, with packages including pouches, blisters and rigid bottles.

PBI Dansensor America, Inc., 201/251-6490. www.pbi-dansensor.us



SPOTLIGHT

Learn more at
www.hytrol.com/ps400
(870) 974-5642

ProSort 400 Heavy Duty Sliding Shoe Sortation Conveyor

- High Speed - 600 FPM
- Precisely Timed, Engineered Divert Switch
- Anodized Aluminum Slats
- Lubricated and Sealed O-Ring Chain
- Precision Bearings on Chain
- Covered Chain
- Quiet Operation
- Dual Synchronized Drives for Extended Lengths

Hytrol's ProSort 400 is a heavy duty sliding shoe sorter designed for high speed applications where product diverting needs to be both positive and gentle.





Cameras Two 3D camera series, the Ranger and the Ruler, are introduced as suitable for in-line inspection machines used in electronic, semiconductor, wood, robotic vision, plastic, rubber and food industries. The Ranger, reportedly rated at up to 35,000 profiles/sec, is said to offer interchangeable optics and can be combined with light sources in setups optimized per specific application. The Ruler E is said to have a built-in laser and optics for a predefined field of view, making it very easy to install, the co. notes. It acquires up to 10,000 profiles/sec. Both feature MultiScan technology. **Sick, Inc.**, 800/325-7425. www.sickusa.com



Process automation

Version 7 of the co.'s field-proven SIMATIC® PCS 7 process automation system is released by the co. The goal, according to the co., is to give plant operators new ways to minimize total cost of ownership, protect automation assets, increase plant availability, minimize downtime, optimize process performance and modernize existing installed systems. The co. claims that the Version 7 offers the world's only platform that integrates new and existing automation systems and devices within a single platform while boasting common tools for engineering, visualization and plant-wide asset and maintenance management.

Siemens Energy & Automation, Inc., 800/964-4114. www.siemens.com

Conveyors Unlimited lengths of its standard line of UV conveyors are now offered by the co. A modular design, the co. says, allows for custom length and width configurations tailored to the specific requirement. This reportedly enables maximal use of the UV lamp by fully populating the conveyor belt with printed parts.

Systematic Automation, Inc., 860/677-6400. www.systauto.com



HIGH SPEED

Carton Forming • Box Erecting • Sleeving • Robotic Loading • Closing



Complete range of output up to 650+

On your mark...get set...GO!

For years we've finished strong with our tray sealing, meal assembly and form/fill/seal solutions. Now Harpak completes the circuit with CAMA's proven solutions to the packaging program. CAMA easily integrates with existing lines, fulfilling primary or secondary packaging requirements that can keep you ahead of the pack. We want to help put you in the winner's circle.

Call us today or visit our website for more information.

800-813-6644
www.harpak.com



H HARPAK HE

new products equipment



Motor starters Telemecanique® brand Altistart™ 01 mini soft starts are introduced to provide sophisticated starting and stopping control for motors in a small package, the co. says. The soft starts are available in three different performance levels to meet the application needs of a range of fractional and low-horsepower single- and three-phase asynchronous motors from ¼ to 75 hp at 110-575 V. Most 01 mini soft starts are 45 mm W. **Schneider Electric**, 800/392-8781. www.us.telemecanique.com

Guiding system The Speedi-Roll is offered as a linear guiding system with a high load-carrying capacity, rigidity and torque-resistance where long strokes and/or high speeds are required, according to the co., which explains that Type LLE integrates a machinable aluminum guiderail, fitted on both sides with hardened steel raceways and a carriage with either four or six V-shaped steel rollers housed on an aluminum base. Standard 15, 25 and 35 sizes are available in various dimensions, the co. adds, and the system can reach speeds to 10 m/sec for shorter cycle times.

SKF USA, Inc., 800/541-3624.
www.skfusa.com/speediroll

Inspection system The Optyx®SG/P is described as a new optical inspection system designed specifically for makers of OTC and regulated solid-dose pharmaceuticals, with a special focus on softgels. Reportedly FDA 21 CFR part 11-compliant, the system automatically inspects softgel capsules at speeds to 1 million/hr, identifying and removing defects and foreign capsules from the product stream, as well as the smallest color and shape defects, including air bubbles and misshapen capsules.

Symetix, 800/941-3701.
www.symetix.com



Labeler The co.'s rotary MASTER p-s labeling system is designed for glass or plastic containers and offers solutions for empty bottle handling. Features servo bottle-handling control, bottle orientation and nonstop, redundant operation for speeds from 60 to 1,000 bpm. **P.E. USA, Inc.**, 513/771-7374
www.pe-us.com



Controller The EHG SL10 process controller and safety limit—an integrated/adjustable safety limit and temperature controller—is now reported to be available with several heater component choices for efficient, lower-amperage packaging systems. The co. asserts that the system's compact design, inherent reliability and integrated limit functions make it a tremendous value for numerous packaging applications, such as heat sealing and hot-glue dispensing. **Watlow**, 800/928-5692.
www.watlow.com

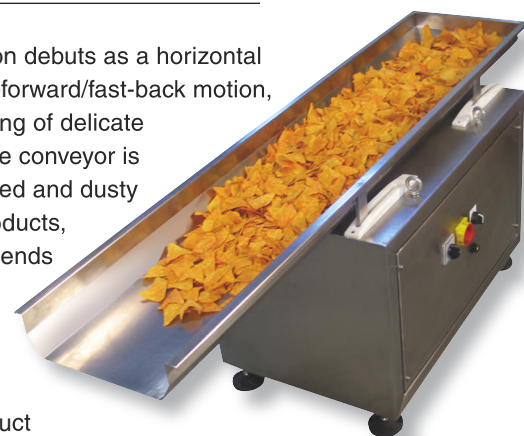
Checkweigher The Model 4693 heavy-duty checkweigher is said to be designed for industrial and institutional packaging with 1- to 500-lb weight ranges. The co. says the weigh station conveyors range from 4 to 5 ft L and run at speeds to 220 ft/min, with the machine's up-to-50-units/min production rate meeting the weight requirements of most industrial bag and box products. The co. also cites the unit's ability to weigh accurately at angles to ±12 deg, its simplicity and its ease of use.

Thompson Scale Co., 713/932-9071.
www.thompsonscale.com



Conveyor The Easy Motion debuts as a horizontal motion conveyor using a slow-forward/fast-back motion, reportedly making the conveying of delicate products easy. The co. says the conveyor is ideal for fragile, easily separated and dusty applications like seasoned products, coated candies and product blends with a variety of shapes and sizes, with a stainless-steel construction and a fully enclosed drive base enabling easy cleaning and quick product changeovers with little downtime.

WeighPack Systems, Inc., 514/422-0808, x336.
www.weighpack.com



Models C-50 & C-100

Stand-Up Pouch Capabilities

LAMINATE OR POLYETHYLENE



Compact in size, these high-speed form/fill/seal packaging machines feature exceptional precision and reliability, along with quick-change features for versatile operation.

- high speed C-50: 50/BPM; C-100: 100/BPM
- fast, automatic sealing of bags
- variety of products—automotive, food, electrical, pharmaceutical, toiletries, and more
- easy maintenance and quick change over for minimum down time
- economical to operate—lower power consumption
- servo drive system

bodolay
PACKAGING MACHINERY

A Division of B & M Industries, Inc.

Tel: 813-754-9960 • Fax: 813-754-9321 • E-mail: bodopak@worldnet.att.net
www.bodolaypackaging.com

Sealer The HPFlex sealer, with a flexible, modular design, is capable of sealing fluted and corrugated board and handles warehouse-club multipacks. The machine comes standard with a tray conveyor indexing system and a pneumatic pick-and-place system. The maximum seal area is 24×36 in. **Sencorp**, 508/771-9400.
www.sencorp-inc.com

new productsmaterials

Recycled-content SBS

Printkote Eagle® C1S paperboard is said to provide all of the benefits of SBS, including printability, uniformity and runnability, with the added benefit of 30-percent post-consumer-recycled content. The co. says that Printkote Eagle C1S is the only SBS-containing recycled fiber that meets FDA compliance for direct-food contact. The C1S board can be used for consumer packaging, cosmetics, food, media, pharmaceuticals, software, toys, book covers, POP displays and more. It has outstanding ink holdout, side-to-side uniformity, sheet cleanliness and consistency, the co. reports, and is consistent with the rest of the Printkote family of virgin fiber SBS offerings. It comes in several calipers.

MeadWestvaco Corp., 804/327-5200.
www.meadwestvaco.com



Four-pack and six-pack handles for cans

New QuadPak and 6Pak handles for soup cans and other food containers are now available. The handles were originally designed to fit on bottles and containers with a standard cap and neck finish. In addition to other designs, the co. offers handles for beverage containers, from "slim" cans for energy drinks to conventional soda and beer cans. The co. recently released prototypes of handles for larger, cylindrical containers of soup, canned fruit and vegetables and petfood in several sizes and styles. Suitable for production and high-speed, automated application, the handles make for an alternative to shrink wrap and paperboard multipacking options.

PakTech, 541/461-5000.
www.paktech-opi.com



Personal-care films

Touch of Silk™ packaging films have a silky smooth feel designed for personal care packaging. The family of films and printed packaging provides a new way to emphasize



the softness and comfort of the product within and to help it to stand out on store shelves, the co. says. The soft feel also reduces noise, conveying key product qualities of discretion and gentleness. Extensive research has overcome inherent issues

of printing on embossed film, adds the co. No equipment modifications are needed to convert and print Touch of Silk, which combines conventional polymers and materials.

Pliant Corp., 847/969-3335.
www.pliantcorp.com

Sealant

Attempting to solve clean-peel lidding problems for pharmaceutical and medical-device applications, the co. introduces Allegro® M sealant, which reportedly can be extrusion-coated onto film, foil or even paper substrates as a cost-effective material. Said to seal at low temperatures and to offer a wide operating window, the sealant includes in its scope rigid cups or trays including HIPS, PVC, APET, PP and HDPE for such uses as unit-of-use medications, diagnostic cartridges, pre-filled syringes and medical devices along with some more challenging products.

Rollprint Packaging Products, Inc., 630/628-1700.
www.rollprint.com

Barrier lidstock A clear, high-moisture-barrier lidstock suitable for sealing to most plastic trays and cups is made from a wide variety of plastic materials. Flexi-Free® 6985 is said to be the first high-moisture-barrier lidstock without a foil layer designed for universal application. Plastic tray/cup materials can include HIPS, HDPE, PP, APET, PETG, PS, PVC, PC and Barex®. The two-ply, 2.5-mil lamination lidding is made from PVDC-coated polyester and a peelable sealant layer. Its high MVTR characteristics make it suitable for powders, where it is undesirable to absorb moisture, as well as gels and liquids, to minimize evaporation, according to the co. The transparent structure offers product visibility prior to opening. Applications include cosmetics, health and beauty aids, nutraceuticals and medical devices.

Ampac Flexibles, 513/671-1777.
www.ampaconline.com

Natural plastics

Natural plastics found in sugar cane are being developed through an agreement with Australia's Cooperative Research Centre for Sugar Industry Innovation through Biotechnology. Sugar cane can render an advanced biorefinery feedstock for producing natural plastics, fuels and chemicals, the co. says.

Metabolix, Inc., 617/492-0505.
www.metabolix.com

No Dust. No Gas. No Odor.

New Digital Controls

Digital control panel

Large capacity self-cleaning, pleated dust-bag

High visibility status indicators

Integrated electronic gas sensor

Variable speed digitally controlled blower

2 Year standard warranty



Laser Fume Extraction

Engineered for effective capture of laser generated contaminants

Protects equipment and operators from harmful pollutants

Effective for laser marking, cutting, welding and engraving

Preferred by major O.E.M. and laser users

Fumex®

Air Filtration Systems

Toll free: 800.432.7550

www.fumexinc.com

new products materials

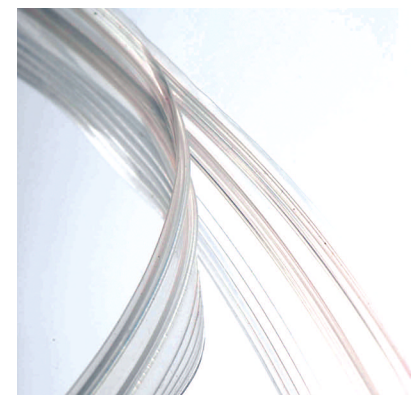
Self-wound overlamine film 891 Easy Release self-wound overlamine film is described as a clear polyester, treated with a platinum-based silicone release for a smooth, quiet unwind and features a high-grade emulsion acrylic adhesive. The film is also available without adhesive, designated 891U. Label manufacturers use the easy-release polyester overlamine in their label printing processes when they require a smooth, quiet

release and an illustrious looking label, the co. says. The film is easily removable from a variety of surfaces and can be easily reapplied to the same surfaces without making noise. The co. offers 891 by the roll or by the master, slit to specifications in 5,000- or 10,000-ft lengths. Custom lengths are available.

Acpo Ltd., 877/412-8273.
www.acpo.com.



Tapes 3M™ VHB tapes are designed to permanently bond and seal a variety of metals, plastics and other surfaces during medical-device assembly. The tapes are available in a variety of forms, including spooled rolls, and are die-cut for precision, with unique converting abilities that deliver customized products and packaging for medical devices, the co. notes. The tapes' visco-elasticity absorbs shock and flexing for long-term resistance to impact, vibration, gravity and thermal expansion/contraction. Easy to apply, the tapes bond on contact without the need for drying or fixturing time, the co. says.
M&C Specialties, 800/441-6996.
www.mcspecialties.com



Double zipper closure
The ZIP-PAK® Double Zipper, the newest member of the co.'s Press-to-Close™ family of resealable packaging technologies, is designed to offer great convenience and a complete bag closure with added seal security to lock out air and keep foods fresh, the co. says. The ergonomically designed zipper has two sets of interlocking profiles that are strategically spaced to guide fingers along a path when closing the package. The dual profiles also provide enhanced seal strength and help prevent liquids from leaking onto refrigerator shelves.
Zip-Pak, an ITW co., 815/468-6500.
www.zippak.com

More education.

Why should you join IoPP? Simple. IoPP is dedicated to the success of its members.

Each year hundreds of people advance their careers by attending IoPP's educational events. Whether it's local tours of packaging operations, seminars about new technology, or intensive week-long training classes, IoPP offers programs that are just right for you.

Your continuing study will be rewarded when you qualify for admittance into the elite group of Certified Packaging Professionals. The CPP designation signifies your industry expertise, and recognizes your ongoing commitment to professional excellence.

For more information about IoPP membership, events or certification programs, call us today at (630) 544-5050. **Or visit www.iopp.org.**

More success.

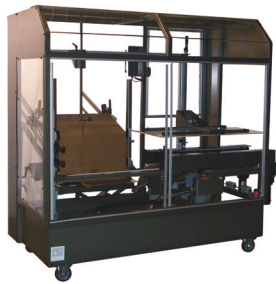


**Institute of
Packaging
Professionals**

Literature and other multimedia, product announcements and websites for packaging machinery, materials, containers, supplies, and services. Contact supplier directly or respond online for information.

info showcase

For more information, contact **Barbara Levin** at (630) 288-8474, blevin@reedbusiness.com



Introducing a New Line of CASE ERECTORS

A.B. Sealer Maximum Series Case Erectors are RUGGED, COMPACT and have no tools required changeover. The Maximum Series will give you the widest case range in the industry. View demonstrations of the MAXIMUM SERIES CASE ERECTORS on our website at www.absealer.com. A.B. Sealer, Inc. introduces a new line of CASE SEALERS starting at \$2,900. From Semi-Automatic to Fully Automatic Random there will be a sealer to fit any budget. Sealers are available in stainless steel. A.B. Sealer also offers for the first time a Stainless Steel Tape Head.

A.B. Sealer, Inc.

sales@absealer.com, 877-885-9299

Flowmeter Filler Model EXACTA-R

Ronchi offers a compact 8 head advanced technology flowmeter filler Model EXACTA-R for users with moderate outputs for speeds up to 80 BPM. Developed from the unique and mature pedigree of 400 machines installed world wide, it has all the outstanding advantages of its larger family of flowmeter machines. Current blue chip users benefit from features including recipe management, quick C.I.P/S.I.P, 10 minute changeover, and "on-the-fly" fill adjustment for individual or all filling heads.

Ronchi America LLC, 201-802-1901, Fax: 201-802-1905
E: info@ronchiamerica.com, www.ronchiamerica.com



NEW! CMS Flavorseal™ Handle Bag

Flavorseal™ Barrier I Bags are for cook-chill and cook-freeze applications. Patent-pending handle makes lifting, toting, and emptying safer — it's safer to hold the hot soup by the handle away from your body than to grab hot corners or cradle near your body — and easier. Available pre-printed with fill capacity and fill-date indicators. Catalogs and samples.

CMS (Carroll Manufacturing & Sales)

Toll free: 866-769-1500

www.cmsflavorseal.com

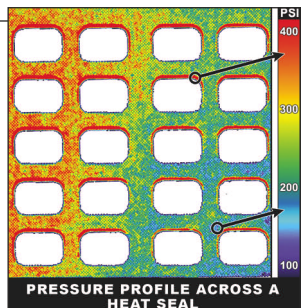
TACTILE SURFACE PRESSURE INDICATING SENSOR

Pressurex® reveals pressure distribution and magnitude between any two contacting or impacting surfaces. Pressurex® is a thin sensor film that instantaneously and permanently captures a pressure profile "snapshot" by virtue of its changing color. Conceptually similar to Litmus paper, the color Pressurex® turns is directly proportional to the amount of force applied

Sensor Products Inc., USA

Tel: (973) 884-1755, Fax: (973) 884-1699

E-mail: samples@sensorprod.com, www.sensorprod.com



SIKO Actuators: Flexibility and Robust Precision in a Small Package

The new AG03 actuator integrates a position measuring system, control electronics and the fieldbus interface for Profibus DP or CANopen in a compact housing. Its brushless 24V-EC, 50-Watt motor operates without wear, guaranteeing a long service life. The absolute magnetic measuring system produces high-resolution position values and is insensitive to dirt, humidity, shock and vibration.

SIKO Products, Inc.

800-447-7456

www.sikoproducts.com

Video Recording Software for Monitoring Packaging

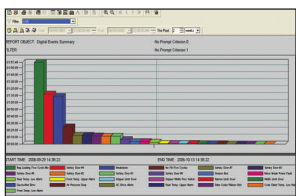
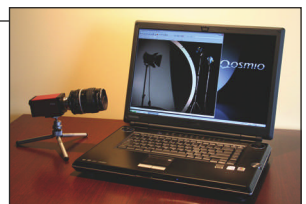
TroublePix: Video recording software for monitoring packaging. Available with laptop at 200 fps × 640 × 480 to disk for over 20 minutes. Acquire, view and review simultaneously. Pre/Post capture module with triggering.

Multiple camera solution available at 100 or 200 fps × 640 × 480. Easy to use GUI for factory floor, outdoors or laboratory environment.

Norpix

Tel: 514-907-1588

Sales: Sales@norpix.com



PPI ControlSmart 24/7 Data Acquisition "PLUM" System (Packaging Line Under Mangament)

PPI Technologies Global offers ControlSmart™, an electronic 24/7 data acquisition system using a Packaging Line Under Management (P.L.U.M) approach alerting management to real time production line deviations. The machine data available is monitored using Rockwell Automation electronics throughout the total line process reporting all deviations by email to management when they occur. **PPI Technologies Global** 941-359-6678, www.ppistechnologies.com

"Soup's On" at PakTech

PakTech has just developed QuadPak and 6Pak handles for soups and other canned food products. In addition to other design evolutions, about a year ago PakTech developed handles for canned beverages, from 'slim' cans (such as energy drinks) to standard soda and beer cans. In the past month, PakTech released prototypes of handles for larger, cylindrical containers such as soup, canned fruits and vegetables, and even pet food. Several sizes and styles are available for production, and high-speed automated application has been developed. **PakTech** 541-461-5000, Fax: 541-461-5005, www.paktech-opi.com



STANDARD MACHINE ELEMENTS



J.W. Winco Offers Tube Clamping Components

From J.W. Winco, quality Metric Tube Clamping Components, Linear Actuators. Tube clamps used to construct fixtures, machine guard units, equipment bases, etc., using round and square tubing. Of aluminum, shot blast tumbled finish or black powder-coated finish. Linear Actuators consist of guide tube, threaded internal spindle, and follower nut. Visit our website.

J.W. Winco

www.jwwinco.com

The All-New GS Series Palletizer from FKI Logistex

The GS100 family of affordable, entry-level palletizers is a clear alternative to manual palletizing. Big on value and performance, the GS100 series is also ideal for operations where high-speed palletizing isn't cost-justified. Get the same flexibility and durability you expect from our industry-leading palletizers—for less. Highest quality palletizer for the lowest price. Speeds up to 30 cases per minute. Multiple standard layout configurations. Learn more. Visit <http://palletizers.fkilogistex.com> or call 1.877.935.4564.

FKI Logistex



info showcase



Snack Packaging Made Simple

Ishida vertical form/fill/seal bagmakers package snacks at the highest speeds, with a low life cycle cost and less waste of film and product. Consistently perfect seals, a wide range of bag sizes, simple film loading and easy, programmable operation make Ishida Atlas, Apex and Astro bagmakers the top choice of snack processors. The same formers can be used on any Ishida bagmaker, which can be integrated with metal detection and code dating.

Heat and Control, Inc.

800-227-5980, info@heatandcontrol.com
www.heatandcontrol.com

Closed System Chemical Dispensing

Colder Products' new DrumQuik® PRO is an easy-to-use product for extracting chemicals from rigid containers. The closed-system design and rugged construction meet the strict safety requirements of chemical handling applications as well as the demands of worker safety and environmental protection. The DrumQuik PRO minimizes chemical exposure and facilitates the delivery of chemicals from bulk containers to end use applications. It is ideally suited to cost-sensitive applications and can be disposed of or recycled along with the container. **Colder Products Company**
 800-444-2474, 651-645-0091, www.colder.com/dqpro



Tsubaki Gripper Chain™ Delivers Reliable, Long-lasting Performance

Combining high-quality Tsubaki base chain with conventional or innovative new side-swivel gripper attachments, Tsubaki Gripper Chain™ is the choice for form, fill, and vacuum seal applications. The new Type K attachments open vertically, then sideways for smooth film engagement, ensuring precise and lasting performance, even at high speeds. Gripper Chain™ features recessed riveted pins for easy chain adjustments to keep production rolling. To learn more visit our website.

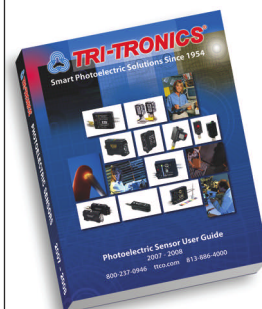
U.S. Tsubaki, 800-323-7790, www.ustsubaki.com

New Photoelectric Sensor User's Guide

TRI-TRONICS COMPANY, INC. has published a new updated catalog featuring the complete line of Photoelectric Sensors, Fiber Optic Light Guides and Controls...including a wide variety of newly introduced products. The comprehensive guide Includes Easy-to-use Product Selection Guidelines, Detailed Sensor Application Drawings, Comprehensive Product Descriptions, Specifications and Installation Data, Fundamentals of Photoelectric Sensing. Copies are available at no cost from:

TRI-TRONICS COMPANY, INC.

Tel: 813-886-4000 or 800-237-0946
 Fax: 813-884-8818 or 800-375-8861, info@ttco.com



Now More Clear Packaging Options as VisiPak Expands Its Product Line With Thermoformed Clamshells

Clearly a visual advantage, thermoformed packaging adds shape to the presentation of your product. The clear clamshell allows your product and printed materials to show through. Economical and easily customized, a thermoformed package will protect your product as it displays its most precise details. Call 800-797-7886 today for additional information and FREE SAMPLES!

Visipak

www.VisiPak.com

Esko Software Suite 7

Esko Software Suite 7 is a complete update of Esko's packaging design and pre-production software tools. It sets a new benchmark for package design and pre-production productivity, flexibility, collaboration and integration with third party software. Highlights of this release include full Adobe® CS3 compatibility, stronger CAD and graphics integration, and capabilities for variable data printing and more.

Esko

1-800-743-7131, fax: 937-454-1522
info.usa@esko.com
www.esko.com



New Fogg F6.2 Filler

Improved bottle registration. Sloped base for improved drainage to promote sanitary performance. The feedscrew is directly clutched to protect the machine from damage if a back up occurs. OSHA compliant guarding, including lower skirt to prevent underneath access to rotating parts. Greatly reduced the number of critical (wear) parts, which makes it easier to service.

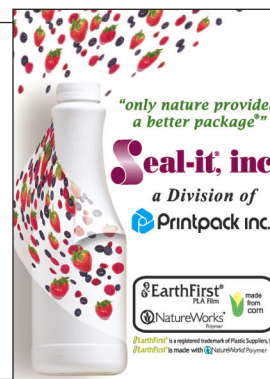
Fogg Filler

616-786-3644, Fax: 616-786-0350
www.foggfiller.com

You can see the difference in a
FOGG
 FILLER

Shrink Sleeve Labels Made From PVC, PETG, OPS & PLA Films

Seal-It, a div. of Printpack, Inc is a mfg, printer & converter of shrink sleeve labels, TE bands, & sleeves for multipacks. Film options include PVC, PETG, OPS, & Earthfirst® PLA films. Our 2 facilities do 10 color roto & flexo printing. Our parent company, Printpack Inc, has been an industry leader in flexible & rigid pkg for over 50 years. Capabilities include high barrier films, flexo & roto printing, extrusion & adhesive laminations, rigid barrier trays & tubs, & stand up pouches. **Seal-It Division, Printpack, Inc.,** 516-935-3965
sealit@printpack.com, www.printpack.com



IndraMotion for Packaging

IndraMotion for Packaging is Rexroth's new integrated Motion Logic control system for food and packaging. These systems are designed to meet your specific requirements with a choice of basic, enhanced, and or advanced configurations. Each system is built on a drive-, controller- or PC-based hardware platform.

Bosch Rexroth

Electric Drives and Controls

800-REXROTH, Fax: (847) 645-6201
 E-mail: info@boschrexroth-us.com
 Web: www.boschrexroth-us.com

Paxton High Performance Drying Systems

Let the experienced team at Paxton Products solve your drying and blowoff cleaning problems with an efficient, high performance Paxton Air Knife System. Precision-built Paxton centrifugal blowers are at the heart of custom-designed systems for your processing and packaging requirements. 100% Performance Guarantee; 3-Year Warranty Program on blowers. Get an online Quick Quote at PaxtonProducts.com

Paxton Products

800-959-8884, 513-891-7474
sales@paxtonproducts.com



newsmakers

MOVERS & SHAKERS

WeighPack Systems, Inc. appoints Melissa Davis as its new director of communications and promotions.



Melissa Davis
WeighPack Systems

Weber Marking Systems appoints Rhett Campbell as national sales director. **Enercon** promotes Ryan Schuelke to regional sales manager for CA, WA and OR and Larry Sterna to regional sales manager for New England. **Nordson Corp.** names Frank Burkus new business



Frank Burkus
Nordson Corp.

development manager for new materials in the Adhesive Systems Group.

FleetwoodGoldcoWyard promotes Pete Carlson to vp, global supply and Michael Morton to vp, finance.

Sonoco makes following appointments: Rob C. Tiede named division vp and general manager of Sonoco's Flexible Packaging division; Brad D. Ross named division vp and general manager of Sonoco's Packaging Services segment, replacing Tiede; Charles W. Coker Jr. named staff vp of customer and business development.

Combi Packaging Systems LLC expands sales into Latin America and hires Bill Long to oversee sales and service.

Material Handling Industry of



Bill Long
Combi Packaging
Systems LLC

America appoints Gary Forger as senior vp of professional development. **FKI Logistex®** appoints Manuel Barragan Ramirez as general

director of FKI Logistex de Mexico S.A. de C.V., the company's operating unit in Mexico.

GROWING & GOING
NJM/CLI Packaging Systems, Intl. opens a liaison office in Mumbai,

India. It will be headed by V. Krishnamoorthy (Krish). Krish is also the CEO of Krish Technologies.

Alcan Packaging Food Americas creates a customer service center at its technical center in Neenah, WI. **Barry-Wehmiller Design Group, Inc.** plans to open a new engineering consulting office in Raleigh-Durham, NC, in early 2008 and hires Brian Bullock as director—Design Group, Raleigh Office.

Bemis Co., Inc. spends \$21 million to upgrade its largest production facility, a flexible polyethylene packaging site in Terre Haute, IN. The additions include three extrusion lines and two 10-color presses.

KURZ Transfer Products, L.P. expands its North American facilities. The expansions include doubling the size of its Elk Grove, IL, finishing and distribution facility, the installation of new finishing equipment in its Anaheim, CA facility and a substantial capital investment program in its Lexington, NC, manufacturing location.

Pro Mach relocates manufacturing operations for its Orion Div. from Laval, QC to Alexandria, MN.

T.H.E.M. expands its facility in Marlton, NJ, by 50 percent.

SIG Combibloc opens a branch office in Toronto.

BUYING AND ALLYING

Fort Dearborn Co. acquires substantially all of the assets of **Renaissance Mark.**

Multi-Color Corp. sells its Packaging Services Division - Quick Pak to **NFI Industries, Inc.** for \$19.2 million.

Owens-Illinois, Inc. sells its plastics-packaging business to **Rexam p.l.c.** for \$1.83 billion.

Pactiv Corp. buys **Prairie Packaging, Inc.** for \$1 billion. **Rexam** divests its glass business to **Ardagh Glass Group.**

CALL FOR ENTRIES

The IoPP announces the 2007 AmeriStar Package Competition Call for Entries. Any package or family of packages produced after January 1, 2006 and not previously entered into an AmeriStar competition are eligible for submission into the 2007 program. Deadline for entering packages is October 26, 2007.

CHEERS

Weber Marking Systems celebrates its 75th year in business in 2007.

info showcase

T-375 Offers "Next Bag Out" Printing!

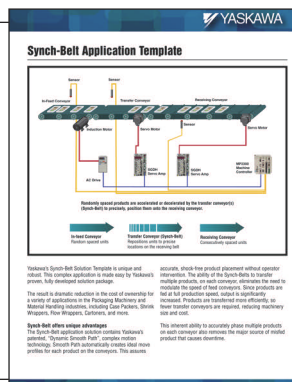
The T-375 Tabletop Bagger/Printer eliminates mislabeled bags! The patented "Next Bag Out" technology prints the bag just before it's loaded. It's perfect for short runs of multiple part numbers or pharmaceutical applications, when accurate labels are vital. Don't let the small footprint fool you! This bagger brings speed & durability for a wide range of applications. Who says bigger is better?

Advanced Poly-Packaging
800.754.4403
dan@advancedpoly.com



The Synch-Belt Solution Package™ for Conveyor Systems

The Synch-Belt Solution Package™ offers five modes of high-performance product positioning for conveyor systems. Product can be phase-adjusted at high speed continuous motion for accurate downstream placement. Increase throughput, reduce downtime, and minimize total cost-of-ownership by integrating Yaskawa's MP2300 Machine Controller with Sigma series servos. **Yaskawa Electric America, Inc.**
800-YASKAWA, Fax: 847-887-7310
motionproducts@yaskawa.com, www.yaskawa.com



PVC/PETG/OPS Printed Shrink Sleeves by Ameri-Seal Inc.

Front, Back, Sides...Ameri-Seals have you covered. These Shrink Labels can be printed up to nine colors rotogravure, and are available as clear, colored and custom printed PVC, PETG and OPS heat shrinkable films. High-Speed machinery formulations available. Give your products an edge over the competition with beautiful custom printed sleeves. PVC/PETG/OPS Shrink Labels meet industry tolerance and performance standards.

Ameri-Seal Inc., Tel. (818) 700-9036, Fax: (818) 700-9062
www.ameri-seal.com, mail@ameri-seal.com



Post Your **WHITE PAPERS** on the Industry's Leading Website

www.packagingdigest.com

It's FREE and easy to post

Step 1 –

Go to www.packagingdigest.com/upload

Step 2 –

Complete the required information

Step 3 – Upload your white paper

Step 4 –

Hit the submit button and you're done

>>> Posting your white papers on www.packagingdigest.com is **FREE**.

>>> Post as many white papers as you want, as often as you want—there is no limit!



PACKAGING DIGEST www.packagingdigest.com

marketplace

Standard classifications are: Machinery & Materials; Contract Packaging; Career Opportunities. Other more specific classifications may be requested. 2007 rates are \$295.00 net per column inch (1 time frequency), \$275.00 net per column inch (3 time frequency), \$260.00 net per column inch (6 time frequency), \$250.00 net per column inch (12 time frequency). Add \$30.00 net per column inch for second color. Colors available are: Standard Red, Blue, Green, Yellow and Magenta. All rates are non-commissionable. Blind Boxes are available for a \$25.00 fee. Deadlines: 5th of the month preceding issue. Please send all materials, insertion orders to:



PACKAGING DIGEST Marketplace Sales Manager
2000 Clearwater Drive, Oak Brook, IL 60523 • Fax: (630) 288-8750
Attn: Barbara Levin • Phone: (630) 288-8474
E-mail: blevin@reedbusiness.com

Exhibits

2007 PACK EXPO EXHIBIT RENTALS
TEN COMPASS NORTH.COM

- Turnkey Prices
- In-House Graphics
- Las Vegas Based

(877) TEN-SHOW

SOMETHING TO SELL?
Contact: Barbara Levin
630-288-8474 • Fax: 630-288-8476

Modular Framing

EzTube Aluminum and Steel BOLTLESS Framing System
www.eztube.com

Tel: 800-833-2522
Tel: 570-724-7420
E-Mail: sales@eztube.com
Fax: 570-724-7989

INTERNATIONAL DESIGNS

80/20 80/20 Inc. NEW! HT Series™
The Industrial Erector Set

For The Full Story...
www.8020.net
Toll Free: 877-248-8020
Fax: 260-248-8029

Modular T-Slotted Aluminum Framing!

Labels

CGMP Copy Expansion Labels...
BookletLabels.com
That's All We Do!™

Let JH Bertrand Make Your Booklet Labels

Auction

DOVEBID® Webcast Auction

Blue Coral Mfg. Facility

Modern (2000) Liquid Packaging Equipment, Stainless Steel Tanks, Material Handling & Plant Support Equipment

Webcast Auction: July 19, 2007 • 9am ET
Online Preview: Available at www.dovebid.com
On-Location Preview: July 18, 2007 • 9am - 3pm ET
Or by Appointment Only
Auction & Preview Location: 5700 Lee Road S Maple Heights, OH 44137
For further information or preview appointment, please contact **Tom Conwell** at **312.515.3050** or tconwell@DoveBid.com

Filling Lines: 18-Head 16 to 32oz 60 to 120 BPM Rotary; 10-Head 8 to 128oz 30 to 100 BPM Straight Line; 8-Head 32 to 128oz 18 to 24 BPM Straight Line Gravity; (2) Mengibar Mass Flow Explosion Proof
Filling Systems: Special Explosion Proof
Packaging Equipment: Pace & Hoppman Bottle Unscramblers; Pack West Cap Torque Systems; Pressure Sensitive Labelers; Induction Sealers; Case Erectors; Case Packer; Case Sealers; Video Jet Coders; Palletizers; ITW Mima Pallet Wrapper; Large Quantity of 600' Hytrol Power Conveyor
Stainless Steel Processing Tanks (2000): (5) Letco 12,000-Gallon Vertical Storage; (4) Mueller 12,000-Gallon Vertical Jacketed; (5) Letco 8900-Gallon 316L Vertical Storage; (4) Buckeye 4000-Gallon Jacketed; (2) 15,000-Gallon FRP Water Storage
Kettles (2000): (4) 8000-Gallon 75 PSI 316L Stainless Steel Jacketed; (2) 4000-Gallon 100 PSI Double-Motion Jacketed; 3200-Gallon 75 PSI 316L Stainless Steel Jacketed; (2) Feldmeier 2200-Gallon 100 PSI Double-Motion Stainless Steel Jacketed
(30) Pumps; Inline Shear Mixer; RO System; Complete Wet Chemistry Lab; Boiler; Chiller; Air Compressors; Shop Equipment; Spare Parts
A Buyer's Premium is in Effect

Visit www.dovebid.com
CA Bond#69567717

Machinery & Materials

WATERLESS CAP SEALER®
Automatic & Semi-Automatic Induction Sealers

- Advanced "SMART SEAL™" digital induction sealer technology
- Compact/user friendly/stainless steel construction
- Complete inspection and quality assurance systems
- Maintenance and trouble-free
- Cost effective, seals a wide range of containers and caps
- Originator of the "Waterless Cap Sealer"

AutoMate TECHNOLOGIES LLC
www.automatetech.com
34 Hinda Blvd., Riverhead, NY 11901 USA • Tel (631) 727-8886 • Fax (631) 369-3903

FAMILY OWNED WORLD'S LARGEST SUPPLIER SINCE 1912

AGITATORS AMPULE FILLERS AUGER FILLERS BAG SEALERS BAR WRAPPERS BLISTER PACKAGERS BOX WRAPPERS CAN SEAMERS CANDY WRAPPERS CAPPERS CAPSULE FILLERS CARTONERS	CASE PACKERS CASE SEALERS CHECK WEIGHERS COLLOID MILLS COTTONERS DEDUSTERS DICERS DUST COLLECTORS DRYERS EXTRUDERS FILTERS FLOW WRAPPERS	FORM, FILL & SEAL FRYERS GRANULATORS GRINDERS HOMOGENIZERS INDUCTION SEALERS KETTLES LABELERS LIQUID FILLERS METAL DETECTORS MIXERS NECK BANDERS	PISTON FILLERS POWDER PRESSES PUMPS REFINERS REVOLVING PANS ROASTERS SCALES SHRINK TUNNELS SHRINK WRAPPERS SIFTERS SLICERS SOAP CUTTERS	SOAP PLODDERS SOAP PRESSES STRIP PACKAGERS TABLET COUNTERS TABLET PRESSES TANKS TUBE FILLERS UNSCRAMBLERS VACUUM PACKAGERS VIAL FILLERS VOLUMETRIC FILLERS WEIGHERS
--	---	---	--	--

**24,000 USED, REBUILT AND GUARANTEED PROCESSING & PACKAGING MACHINES
LOWEST PRICES IMMEDIATE AVAILABILITY**

NEW YORK (T) 718.585.0200 • (F) 718.993.2650
CHICAGO (T) 773.376.5400 • (F) 773.376.0634

UNION STANDARD EQUIPMENT
sales@unionmachinery.com www.UNIONMACHINERY.com

FRAIN GROUP QUALITY MACHINERY USED
NEW ARRIVALS EVERY DAY!

5E3790 Buhler Maig 3-roller Dispersion Mill 400 lbs/hr
5E3260 B&H Roll Stock Glue/Shrink labeler 500 cpm
5E3940 Columbia Full Case Palletizer Rated to 20 cpm
5E1165 Circle Liquid/Paste Filler 60 cycles per minute
5E3900 Doboy Auto Flow Thru Horiz Shrink Wrapper
6K0101 Douglas Auto Wrap Around Case Packer 21cpm
5E1371 Econocorp Semi Automatic Cartoner 25 cpm
6R0083 Elliot Auto Top Case Sealer Capable of 20 cpm
5E3751 Filler Capabilities Auto s/s 10hd Filler 30gal/min
5E3130 FMC Horiz Flow Thru Shrink Wrapper 160ppm
5E2728 Focke & Co Case Erector/Packer/Sealer 15 cpm
5D9943 Hartness Automatic Drop Case Packer 30 cpm
5E0598 Hayssen Auto Horiz Inverted Wrapper 100 ppm
5E2382 Imar Multi-lane Vertical form / fill / seal 180ppm
5E1040 Kaps All Automatic 4 spindle Capper 80 cpm
R23241 Kiss Pkg Semi Auto (6) spindle capper 150cpm
5E0950 Kisters In-Line shrink bundler w/tunnel 120cpm
6M1980 Lock s/s 1.5" H x 24"W Aperture Metal Detector

6R0088 New England Secondary Bottle Orientator 300 bpm
6M1993 Quadro S/S Particle Size Reduction Mill 800 lbs/hr
5E0220 Posimat 14 Pocket Bulk Bottle Unscrambler 200bpm
5D9121 Prototype 28 Head Pic N Place Case Packer 600ppm
5E0528 Ramsey S/S Dual Lane Checkweigher 165 feet / min
5D9147 Randles Tuck Tray Former 25"L x 16"W x 4"H 65cpm
5E1770 Raque Complete Tray Filling/Sealing Line 110 tpm
6M1122 Rasch Semi Auto Fold/Bunch Foil Wrapper 70 wpm
5E3620 Renneco Semi Auto Hori L Bar Below Sealer 30 bpm
5E1630 Ross Vertical Double Planetary Paste Mixer 200 gal
5E0876 Rovema Continuous Motion Form/Fill/Seal 160 bpm
5D9085 Safeline Metal Detector 25"Aperture 2 3/8"Clearance
5E0122 Saga Auto Double Fill Plastic Tube Filler 120 tpm
5D9991 Scandia Semi Auto Horiz Hot Melt Cartoner 100cpm
5E3501 Seitz 16 Head Rotary Counter Pressure Filler 75bpm
R23312 Sergeant Semi Auto L Bar Sealer & Shrink Tunnel
5D9591 Shanklin Flow Thru lap seal shrink wrapper 100ppm
5E3810 Shorewood Auto Inline S/S P/S Front / Back Labeler

Chicago AREA (630) 629-9900 www.fraingroup.com

- Bottle & Cap Handling
- Change Parts Storage Carts
- Used & Rebuilt Equipment
- Installation & Design Services
- Machine Repair Parts
- Experts in Rebuilding Consolidated and Resina Capping Equipment

CP CHANGE PARTS INC
231-845-5107
Check us out! www.changeparts.com
Serving "Family Owned" to "Fortune 500" companies

FOR SALE
Used Form/Fill/Seal/Machines
Also New Parts! Tape, Nichromes, Knives, Heaters, and More.
Miller's Technical Service Inc.
630-553-1797 • Fax: 630-553-2165
Since 1986

Dry Filling – that's AMS
Filling Every Expectation... every fill, every time

The AMS A-100
Fill rates: 10-25/minute
The Foundation of Your Packaging Solution

The AMS A-700
Fill rates: 90-480/minute
High Speed Filling at its Best

AMS FILLING SYSTEMS, INC.
E-mail us at: salespd07@amsfilling.com
Visit our new website
1-800-647-5390 • www.amsfilling.com

GALLIMORE INDUSTRIES, INC.

- In-pack promotions and inserting equipment.
- Overwrapped and direct food contact inserts.
- AIB approved-superior rating.
- Lease, sell or use if we do the printing.
- Bandolier inserter also available.

847-356-3331
800-927-8020
mark@gallimoreinc.com
www.gallimoreinc.com

REFURBISHED BAGGERS
Two Lines to Choose From:

Advanced Poly
T-1000 Bagger
Infeed Conveyors
Counters
Printers

APS
Baggers
Counters
Scales

T-1000 Bagger
US-4000 Rotary Check-Weigh Scale
T-300-375 Tabletop Baggers
Ti-1000 Printer

- Guaranteed Like New!
- Warranty Same as New Equipment
- Factory-Trained Technicians
- Spare Parts Program
- Full Service
- Models from 2005

Advanced Poly-Packaging, Inc.
1-800-754-4403
1331 Emmitt Rd. • Akron, OH 44306
330-785-4000 • Fax 330-785-4010
www.advancedpoly.com • sales@advancedpoly.com

We're the Sure Choice!

770.307.4755

www.surekap.com



SureKap is more than a reliable packaging equipment manufacturer. We are devoted to building long term satisfaction with our customers as well as machines that last. Contact us to help with your next capping and filling equipment needs!

- Cappers
- Turntables
- Fillers
- Conveyors

SUREKAP
Fills Right. Caps Tight.



FLEXPAK
Bags Pouches Tubing Sheeting

**YOUR COMPLETE SOURCE
FOR ENGINEERED FLEXIBLE
PACKAGING SOLUTIONS**

KNF FLEXPAC CORP.

Phone: 570-386-3550 • Fax: 570-386-3703
www.KNFcorporation.com
sales@knfcorporation.com

- Inline Liquid Filling & Capping Systems
- Volumetric Gravity, Volumetric Pressure/Gravity & Pump Filling Technologies
- Thin to Thick Liquids including Molten & Foaming Products
- Food Grade, Sanitary, Pharmaceutical, Hazardous & Corrosive Environments

E-PAK
MACHINERY INC

219-393-5541

Check us out> www.epakmachinery.com

Serving "Family Owned" to "Fortune 500" companies

BINER ELLISON
High Speed Packaging Machinery
an ACCUTEC COMPANY



Rotary Filling, Capping, and Labeling

Single machines **starting at \$79,999.**
Whether you need a single unit or a full line Biner Ellison has the solution.

Call or go online to learn about our other great machines

1.760.598.6500 sales@binerellison.com
1.888.741.2341 www.binerellison.com

**VISUAL
PACKAGING
GROUP LLC (USA)**
800-950-PACK



S
I
N
C
E
1
9
7
0

**Manufacturer of Blister Packaging,
RF Sealing, Die cutting,
Skin Packaging and
Thermoforming Equipment**
www.visualpackaging.com

www.pbtools.us

PB SWISS TOOLS

SINCE 1878



SwissGrip Screwdrivers

with non-slip, comfortable surface.

Labeled caps easily identify the tool you need!

100% Swiss-made & Guaranteed for life!

EAGLE
Flexible Packaging

"Your Source for Short Run Flexible Packaging"

- High quality 8 color flexible packaging printing
- Roll film for form-fill and seal
- Shrink Sleeves, Stand-up-pouches & more...

Ph. 630-876-6763 • www.eagleflexible.com

DJS Enterprises

NEW AND USED PROCESS AND PACKAGING EQUIPMENT

Manesty Mark II-A 61 Stn Tablet Press
Glatt Fluid Bed Dryers WSG-3 & WSG-5-2V
Rebuilt Bosch GKF 1200/1500 Capsule Fillers
Palace Bottle Unscrambler Model P-2-4
New Table Top Single Station Tablet Presses
API DURATech 2700 S/S Shrink Bundler S-PH
Complete Packaging Lines for Tablets, Capsules, Liquids, and Powders
Process Equipment: Mixers, Tanks/Kettles, Granulators, & Coating Pans

www.djsent.com • email: sales@djsent.com
MOST EQUIPMENT CAN BE INSPECTED IN TORONTO!!!

2700 - 14th Avenue, Unit 6 Phone: 905-475-7644 Toll Free: 888-DJS-SALE
Markham, Ontario L3R 0J1 Fax: 905-475-7645

LABELING MACHINES
PRESSURE SENSITIVE & PLAIN PAPER



WWW.ADVENTMACHINE.NET
FOR MORE INFORMATION AND ONLINE VIDEOS
ADVENT MACHINE LLC • T: 800-846-7716 • F: 323-728-2443

marketplace

Machinery & Materials

GARVEY
CORPORATION

**THE ORIGINATORS OF
MODULAR CONVEYORS!**



208 South Rt. 73, Blue Anchor, NJ 08037
Phone: 1-800-257-8581 www.garvey.com
Email: infinity@garvey.com

COMPLETE BOTTLING SYSTEMS ... since 1941

Get the Reliability, Flexibility,
Accuracy and Versatility you
need in Packaging Machinery

www.kapsall.com



Fast Changeovers
Little or no change parts required

- Unscramblers
- Orienters
- Bottle Cleaners
- Liquid Rotary and Straight Line Fillers
- Cap, Parts Feeders
- Automatic Cappers
- Conveyors
- Torque Monitoring

- Induction Foil Sealers
- Inspection Systems
- Complete Packaging Systems

The Proven Standard @ ... Since 1941.

KAPS-ALL
PACKAGING SYSTEMS INC.
KAPS-ALL CAPPER ® FILLS-ALL ®
FEED SYSTEMS ® ORIENTAINER ®

200 Mill Road, Riverhead, NY 11901 USA • Tel (631) 727-0300 • Fax (631) 369-5939

Relax...

Whether you are looking for a reliable and

affordable container-handling solution, or need a

complete system, let FEMC take the worry out of your decision-making process.



FEMC
216-663-1208
www.femc.com

AUGERS,
FUNNELS and PARTS

for All-Fill, AMS, Bartelt®, Mateer and Spee Dee Fillers

- OEM QUALITY
- REFER TO PART NUMBER
- MOST ITEMS IN STOCK

Auger Manufacturing Specialists

22A Bacton Hill Road
Frazer, Pennsylvania 19355 USA

USA & Canada, Toll Free: 1-(800)-544-1199
(610) 647-4677 Fax (610) 640-9085

www.augermfgspec.com

E-mail: info@augermfgspec.com



Registered trademarks used are owned by their respective owners

**CERTIFIED
REBUILT
EQUIPMENT**



- **Certified** to be rebuilt using only Genuine Autobag® components.
- **Certified** to original specifications by factory-trained technicians.
- **Certified** to pass a minimum 20-point inspection for quality.

Automated Packaging Systems, Inc.
Certified Rebuilt Equipment Center

HS 100 Excel • H100 • HS 211 • PI 4000

Precision 200/300 • Accu-Count 118/124 • DAC 1000

Accu-Scale • Kit-Veyor • Maximizer

We Buy, Sell and Rent



**Automated
PACKAGING SYSTEMS**

www.remanufactured.autobag.com

Call for a Quotation 800-316-6993

marketplace

Contract Packaging

Machinery & Materials

Why Isn't Your Brand In a Stick Pack Yet?

The Stick Pack Authority

T.H.E.M.
Contact Colleen at:
800-322-8436 x47
www.them.net

Cuppac **Contract Packaging** **** Portion Control! ****

- AIB Superior, Kosher, HACCP
- Hot, Cold, Viscous, Cheeses, Liquids, Powders, Dry, Pre-wrapped
- Turnkey solutions from concept to consumer. No minimums
- Separate peanut/tree-nut packaging facility

Toll Free: 877-347-9725 www.cuppac.com info@cuppac.com

BRINGING YOUR PRODUCTS TO MARKET FROM CONCEPT TO CONSUMER
SPECIALIZING IN SUPPLY CHAIN SOLUTIONS

Aldelano Packaging Corp.
Outsourcing Solutions

Contract Packaging

- ▶ Anywhere in the US
- ▶ Test Market or ongoing

Material Procurement

- ▶ Source & Purchase Materials
- ▶ Manage Releases & Deliveries
- ▶ Many Industry Partners

Manufacturing Support

- ▶ On-Site Project Staffing
- ▶ Material Handling
- ▶ Laboratory testing

Warehouse Logistics

- ▶ Fulfillment
- ▶ Foreign Trade Zones

Marketing

- ▶ Packaging Design
- ▶ New Product/Display Concepts

Services Provided In Your Facility Or Ours

1-800-9PACK99 (1-800-972-2599)
www.aldelano.com

Ask us about
corrugated &
packaging
supplies!

Hot fill juices and beverages
Can, Glass & PET, Convenient
to Mexican Markets

TCX
TEXAS CITRUS EXCHANGE

Contact: Dodson Galloway
956-585-8321

Mission, Texas 78572
Email: dodson@texjuice.com

Your Partner In Packaging.

Over 25 Years Strong
Convenient Midwest Location
Multiple Lines & Packaging Capabilities
GMP/SPC/AB Trained Staff
Rapid Turnaround Time

info@tollpackaging.com

www.tollpack.com

Call today for a quote!
888.248.8423

TOLL
PACKAGING GROUP
Complete Outsourcing Solutions.

shatter-shield

Shatter-Resistant
UV/Germicidal
Lamps Destroy
Microbes--
Effectively and
SAFELY

Killer Combination

- Perfect in HVAC and water systems.
- Eliminates bacteria, mold & viruses without toxic chemicals.
- Clear and tough, skin-tight safety coating provides shatter-protection.

(800) 223-0853
www.shatrshield.com

USDA, FDA,
OSHA Compliant NSF Certified

COMPACT
INDUSTRIES, INC.

**PRIVATE LABEL, CONTRACT PACKAGING,
DRY PRODUCT PACKAGING & BLENDING**

CURRENT COMPACT PRODUCTS:

Instant Coffee • Hot Cocoa • Creamers • Drink Mixes
Cappuccinos • Cheese Sauces • Instant Teas
Breakfast Drinks • Nutraceuticals • Dietary Drinks
Powdered Granita & Smoothie Mix



ESTABLISHED 1964
Compact Industries, Inc., St. Charles, IL

COMPACT INDUSTRIES IS CERTIFIED AS A WOMEN'S
BUSINESS ENTERPRISE THROUGH THE WOMEN'S
BUSINESS ENTERPRISE NATIONAL COUNCIL.

1-800-513-4262 www.compactind.com

**WHEN PERFORMANCE
COUNTS**



VOLUMETRIC FILLERS

Liquids, Pastes & Powders

- direct draw fillers starting at \$2,250.00
- table top and multi-cylinder automatics
- heated hoppers, agitators, no drip nozzles, conveyors, hand cappers, etc.

www.packagingenterprises.com

GEYER

Packaging Enterprises Inc.
Philadelphia, PA

since 1914

800-453-6213

Machinery & Materials

POLYROL
inc.

**Pre-opened
Bags-on-a-Roll**



- Quality Guaranteed
- Many Sizes in Stock
- Custom Printing
- Fastest Delivery

Your Best Bag Price

Call Us for a Free Quote

800-505-2247 • www.polyrol.com

PACKAGING EQUIPMENT
NEW & USED PACKAGING MACHINERY
YOUR MIDWEST CVC DEALER
"Complete "turn-key" line integration"

MIDWEST
PACKAGING
SYSTEMS

PH/FAX: 636-225-1555
E-mail: midwestpak@aol.com
www.midwestpackagingsys.com

LIQUID
PACKAGING
SOLUTIONS, Inc.

Complete Packaging Solutions

- Volumetric and level filling systems that handle water to highly viscous products—even products with particulate are not a problem!
- Fully automatic and semi-automatic cappers capable of handling a wide range of caps, containers and speeds.
- Conveyors and turntables available in standard sizes. Customization available to meet your needs.

- CONVEYORS • TURNTABLES • RINSERS • FILLERS • CAPPERS
- LABELERS • COMPLETE LINE INTEGRATION

www.w.com

888-393-3693 • Sara@LiquidPackagingSolution.com

ADVERTISING MEANS BUSINESS

Services

Technical
Translation Service

38 Languages

**NORTHWEST
TRANSLATIONS, INC.**

1-800-270-5620
www.nwtranslations.com

Career Opportunities

BeInspired BeRewarded
BeYourself Be **KRAFT**

Kraft Foods, the world's second largest food and beverage company, seeks qualified package engineering talent.

Selected individuals will manage multiple growth, productivity, and quality projects within multiple areas of the Global Technology and Quality Division. Responsibilities will include package development from concept to commercialization. These candidates will interface with all Kraft functions in the commercialization process; with strong linkage to Marketing, Operations, and Product Development. Solid package development & commercialization experience desired. Excellent project management skills a must.

Minimum 2+ years of experience in Packaging
Minimum 2+ years of experience in Research & Development

Kraft is an equal opportunity/affirmative action employer m/f/d/v, and will only contact the most qualified candidates.

For consideration, please submit your resume to Carla.Mote@Kraft.com

Software Project Manager for Barry-Wehmiller Design Group. Position located in St. Louis, MO. Analyze software/application needs; Design & modify computer applications/systems with SQL Server, Crystal Reports, MS Project & Visio; Test applications for compliance. Maintain SIMON, E4SE, & Epicor applications. BS in Computer discipline & 3 yrs exp. required. Must have work exp. w/ SQL Server 2000; Crystal Reports, MS Project, & Visio. Resumes to: Dennis Squires, 8020 Forsyth Blvd., St. Louis, MO 63105.

INDEPENDENT AGENTS

MAJOR CONTRACT MANUFACTURER OF COSMETIC PRODUCTS

IS SEARCHING FOR
INDEPENDENT AGENTS TO PROMOTE
ITS LINE OF EXCLUSIVE PRODUCTS AND SERVICES

PLEASE SEND C.V. AND CONTACT INFORMATION TO
"INDEPENDENT AGENT"
quivo4@juno.com

ABSOLUTE CONFIDENTIALITY GUARANTEED

Manager Latin America After Market Sales for MarquipWardUnited, Inc. Position based out of St. Louis, MO. Travel to various customer sites, incl. third-world countries exceeds 50% for wks/mos, incl. weekends, for development and maintenance of client base in Latin America. Create after-market sales and service strategy in paper board industry. Manage sales, marketing, product development, and service personnel for paper board converting machinery. Requires BS in Engineering and 5 yrs engineering experience in the paperboard converting industry. Must be fluent in Spanish. Resumes to: Dennis Squires, 8020 Forsyth Blvd, St. Louis, MO 63105.

	Page number		
Advanced Poly-Packaging Inc	p.4	PACK EXPO Las Vegas 2007	p.25
800/754-4403		www.gopackexpo.com	
American Fuji Seal Inc	C-2	PakTech	p.10
800/533-3854		541/461-5000	
Ameri-Seal	p.23	Pearson Packaging Systems	p.15
800/220-7981		800/732-7766	
Banner Engineering Corp	p.8a-b	Pepperl+Fuchs Inc	p.16a-b
612/544-3164		330/425-3555	
Beckhoff North America	p.18	PIAB	p.47
877/TwinCAT		800/321-7422	
Bivans Corp	p.4	PlexPack	p.43
323/225-4248		800/265-1775	
Bodolay Packaging Machinery	p.54	Pliant Corp	p.33
813/754-9960		866/536-0316	
Boise Cascade LLC	p.11	Quadrel Labeling Systems	p.5
877/366-3161		440/602-4700	
Cognex Corp	p.49	QuickLabel Systems,	p.7
508/650-3000		An Astro-Med Product Group	
Cortec Corp	p.50	877/757-7978	
800/4CORTEC		RSI Print Systems	p.51,C-4
CTM Labeling Systems	p.17	866/774-6847	
330/332-1800		Sharp Packaging Systems Inc	p.1
Display Pack	p.31	SMC Corp	p.42
www.displaypack.com		www.smcusa.com	
ECP Engineered Coated Products	p.12	Solus Industrial Innovations	p.16
888/353-9421, x466		866/765-8744	
Eriez Magnetics	p.24	Stoffel Seals Corp	p.50
888/300-3743		800/344-4772	
Fres-Co System USA Inc	p.36	Tetra Pak Intl	p.32
215/721-4600		www.tetrapakusa.com	
Fumex Inc	p.55	Videojet Technologies	p.19,38
800/432-7550		800/654-4663	
Gateway Plastics Inc	p.35	WA Hammond Drierite Co	p.43
262/242-2020		937/376-2927	
Georgia-Pacific	p.21	WS Packaging Group Inc	p.41
www.gp.com		800/340-3424, x6231	
Harpak Inc	p.53	Yaskawa Electric America Inc	p.22
800/813-6644		800/YASKAWA	
Hytrol Conveyor Co Inc	p.52	Zip-Pak Manteno	p.26
870/974-5642		800/488-6973	

Institute of Packaging Professionals	p.56		
630/544-5050		Packagers in this issue	
Kaesar Compressors	p.13	America's Kitchen.....	30
800/777-7873		Aplo, Inc.....	29
KGK Intl Corp	p.45	British America Tobacco.....	50
847/465-0160		Cadbury Schweppes.....	6
Kliklok-Woodman	p.36,37	Christian Book Distributors.....	48
770/981-5200		Don Sebastiani & Sons.....	6
Labthink Instruments Co Ltd	p.47	DrinkMore Water.....	24
+86 531-85811021		Eggland's Best.....	33
Leibinger	p.8	First Products, Inc.....	30
203/853-0022		HBA Mfg.....	6
MRI Flexible Packaging	p.3	Hill Station.....	9
800/448-8183		Honest Tea.....	30
Multisorb Technologies Inc	p.39	International Foodservice, LLC.....	40
716/824-8900		Kellogg Co.....	29
Multivac Inc	p.46	Kraft Foods.....	30
920/490-8249		Mary Beth's Apple Pie Co.....	34
Nordson Corp	p.27	Method Products.....	9
440/985-4226		Mt. Olive Pickle Co.....	28
Orion Packaging Systems Inc	p.52	Ocean Mist Farms.....	29
800/333-6556		Perrigo Co.....	44
		Polar Beverage.....	9
		Sholl Group II.....	29
		Stratis Group, The.....	6
		Sunsweet Growers, Inc.....	28
		Unilever.....	10
		Utz Quality Foods.....	20

ad index

sales staff

Sales and Marketing Offices

Steven Reiss, VP, Publishing Director
630/288-8807 Fax 630/288-8818
sreiss@reedbusiness.com

Robert W. Heitzman, Publisher Emeritus
630/288-8735 Fax 630/288-8750
rheitzman@reedbusiness.com

SOUTHEAST/MIDWEST

John Kimler
630/288-8736 Fax 630/288-8750
jkimler@reedbusiness.com

EAST/MID-ATLANTIC

Lisa Evans
646/746-6418 Fax 646/746-6404
levans@reedbusiness.com

EAST/CENTRAL/ONTARIO/QUEBEC

Tom Corcoran
610/696-1820 Fax 610/696-2159
thomas.corcoran@reedbusiness.com

WEST/SOUTHWEST/MIDWEST

Glen Gudino
630/288-8751 Fax: 630/288-8750
gudinog@reedbusiness.com

Classified/Info Showcase

Barbara Levin
630/288-8474 Fax 630/288-8476
blevin@reedbusiness.com

INTERNATIONAL REPRESENTATIVES:

Europe **Anthony Rochman**
anthonyrochman@btinternet.com 44 7939 151592
Australia/**Philip Brandon**
pbrandon@partnerstoo.com
China and Hong Kong/**Liz Lee**
lizhi@reedbusiness.com.cn
Israel/**Asa Talbar** talbar@talbar.co.il
Japan/**Masayuki Harihara**/Yukari Media Inc.
www.yukarimedia.com
Korea/**Young-Seoh Chinn**, Ph.D./JES Media, Inc.
jesmedia@unitel.co.kr
Singapore and Southeast Asia/**June Tan**
june.tan@rbi-asia.com
barettella@exportwerbung.ch
Taiwan/**Robert Yu**
sales@wwstaiwan.com

Mary Williams, Marketing Services
Manager
630/288-8745
mwilliams@reedbusiness.com

Hilde Diestl, Publisher's Assistant
630/288-8740
hdiestl@reedbusiness.com

also in this issue

Info Showcase	59
Marketplace	
Auction	60
Career Opportunities	63
Contract Packaging	62
Exhibits	60
Labels	60
Machinery & Materials	60,61,62
Modular Framing	60
Services	63

...on
packagingdigest.com

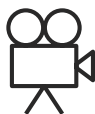
web focus

**'Packaging by Design' blog featuring John Kalkowski**

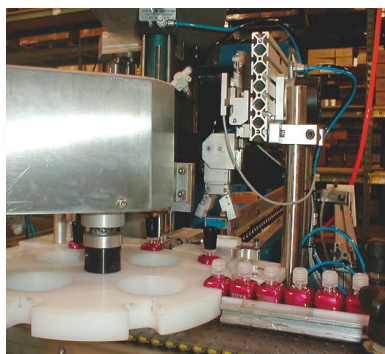
As seen in this month's COMMENT column, John Kalkowski has joined the PD staff as Editorial Director and his first online assignment is the "Packaging by Design" blog. John will be documenting subtle and not-so-subtle design trends, and providing a forum for you, the reader, to comment. Visit www.packagingdigest.com/bydesign

Packaging blogs, videos and podcasts arrive at www.packagingdigest.com!

Visit packagingdigest.com's homepage and find our new multimedia section, featuring packaging videos, blogs and podcasts created by PD's award-winning staff. In the months to come, the packaging blogs will include topics such as packaging design, automation, sustainability and market trends. Explore and interact with the packaging community by visiting www.packagingdigest.com.

**Online Exclusives: Application VIDEOS on packagingdigest.com.**

View video of ART OF BEAUTY's automated filling line by visiting www.packagingdigest.com/info/turbofil and see American Sugar Refining's pallet wrapping/top-sheeting equipment at www.packagingdigest.com/info/domino.

**Sustainable Packaging: Research from Packaging Digest and the Sustainable Packaging Coalition**

Packaging Digest and the Sustainable Packaging Coalition surveyed *Packaging Digest's* subscribers to understand the awareness and adoption levels of sustainability in the packaging marketplace. Download the PDF file and see the results of the survey at www.packagingdigest.com/sustainstudy

Visit www.packagingdigest.com/whitepapers to find white papers covering issues in the packaging marketplace:**White Paper: Selecting a Case Packing System**

Fallas Automation

Download at— www.packagingdigest.com/info/465

White Paper: Optimizing vacuum design for material handling

PIAB North America

Download at— www.packagingdigest.com/info/457

White Paper:

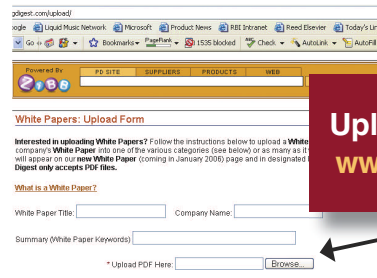
Selecting the right adhesive melter for your packaging application
Nordson Corp.

Download at— www.packagingdigest.com/info/458

White Paper: Production-driven purchasing drives up the costs of pre-printed cases

Iconotech

Download at— www.packagingdigest.com/info/443



Upload WHITE PAPERS for FREE!
www.packagingdigest.com/upload

newsbytes

Visit packagingdigest.com/bytes for these top headlines in the packaging marketplace.

Cereal packs are getting smaller, pricier

The high cost of grain and fuel has affected cereals.

General Mills plans to reduce the size of its cereal boxes and slightly raise the price per volume to be more competitive.

Freedonia report: U.S. meat, poultry and seafood packaging demand to exceed \$8 billion by 2011

Demand for meat, poultry and seafood packaging is projected to increase 4.2 percent annually to more than \$8 billion in 2011. While increased meat, poultry and seafood production will drive gains, changes in packaging practices also will be a major factor.

Convenience still a 'top dog' in pet-food packaging

Cited by more than four-fifths of pet owners surveyed, convenience still trumps most other factors influencing pet-care product purchases, according to "Pet Food Packaging and Convenience Trends," a new report from Packaged Facts.

Owens-Illinois sells plastics lines to Rexam

Owens-Illinois Inc., the Perrysburg, OH, producer of glass containers, health-care packaging and specialty closure systems, says it concluded a strategic review and definitively agreed to sell its plastics-packaging business to Rexam plc for \$1.83 billion.

Coke to reduce its water footprint

Coca-Cola will fund a \$20-million project to conserve seven major rivers in North America, Europe, Africa and Asia. It also plans to revamp its bottling practices to reduce water use and pollution, and to improve the water efficiency of its partners.

Reed Business Information, A Division of Reed Elsevier Inc. • Specialized Business Magazines for Building & Construction • Computer and Communication • Electronics • Entertainment • Furniture Mfg/ Retail Furnishings • Hospitality • Manufacturing • Medical/Scientific and Processing Publishing • and Printing/Packaging.

PACKAGING DIGEST® (ISSN 0030-9117) (GST# 123397457) is published monthly by **Reed Business Information**, 8878 South Barrons Blvd., Highlands Ranch, CO 80129-2345. **Reed Business Information** is a division of Reed Elsevier Inc., is located at 360 Park Avenue South, New York, NY 10010. Tad Smith, CEO, Jeff Greisch, President, Chicago Division, John Poulin, Senior Vice President, Finance. PACKAGING DIGEST copyright 2007 by Reed Elsevier Inc. All rights reserved. PACKAGING DIGEST® is a registered trademark of Reed Elsevier Properties Inc. used under license. Periodicals postage paid at Littleton, CO 80126 and additional mailing offices. Circulation records are maintained at **Reed Business Information**, 8878 South Barrons Blvd., Highlands Ranch, CO 80129-2345. Telephone: 303/470-4445. **POSTMASTER: send address changes to PACKAGING DIGEST®, 8878 South Barrons Blvd., Highlands Ranch, CO 80129-2345.** Publications mail agreement No. 40685520. Return undeliverable Canadian addresses to: RCS International, Box 697 STN A, Windsor, Ontario N9A 6N4. E-mail: subsmail@reedbusiness.com. Rates for non-qualified subscriptions, including all issues: USA, \$92.90 1-year, \$158.90 2-year; Canada, \$133.90 1-year, \$228.90 2-year (includes 7% GST, GST#123397457); Mexico, \$123.90 1-year, \$210.90 2-year; foreign surface, \$174.90 1-year, \$298.90 2-year; foreign air \$226.90 1-year, \$402.90 2-year. Except for special issues where price changes are indicated, single copies are available for \$10 USA and \$15 foreign. Please address all subscription mail to: PACKAGING DIGEST, 8878 South Barrons Blvd., Highlands Ranch, CO 80129-2345.

Printed in USA

Reed Business Information does not assume and hereby disclaims any liability to any person for any loss or damage caused by errors or omissions in the material contained herein, regardless of whether such errors result from negligence, accident or any other cause whatsoever. Periodicals enclosed in all polybagged copies.

Vol. 44 No. 7



More Competitive Bids On Your Business Purchases **Less Bull**

Streamline your business purchasing process by using BuyerZone to get fast, competitive bids from top local and national vendors.

Join the millions who have saved time and money by relying on BuyerZone's Request for Quotes service across more than 125 categories of business purchases. Best of all, it's free.

Buy smarter and start saving today!

Visit www.BuyerZone.com

Use BuyerZone to get FREE price quotes for the following types of purchases:

- Materials Handling
- Industrial Equipment
- Office Equipment & Furniture
- Security Systems
- Marketing Services
- Financing Solutions
- Information Technology
- Telecommunications
- Construction Equipment
- HR & Benefits
- ...and more

BuyerZone
Where Smart Businesses Buy and Sell

A division of

 Reed Business Information.

www.BuyerZone.com

Make your Mark ***with RSI Print Systems, Inc.***

01/23/2010 — *Variable Data*
Batch: 123456



Color Logos

Fred's Apples

Barcodes —



- *Low Cost of Ownership*
- *High Quality Print with Minimal Downtime*
- *Virtually Maintenance Free*
- *Powered by Hewlett Packard™ Technology*
- *Easy to Use*
- *Seamless Integration*

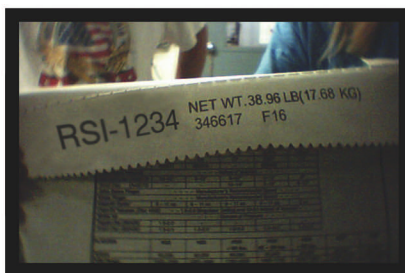
www.rsipro.com

866.774.6847

sales@rsipro.com



Lumber Grading



Kraft Bag Printing



Web Printing