



CHECKING CHEESE:
Cheesemaker monitors
package closely. **28**



MAKE 'EM SMILE:
Toothpaste uses clearly
superior tube. **30**



NEW WRAP:
Sleeve labels add shine
to detergent additive. **34**

 Reed Business
Information®

March 2009

PACKAGING DIGEST®

www.packagingdigest.com

Bagging a prize

FPA honors flexible feats **18**



RBI™

CLICK HERE TO
RENEW

your FREE magazine
subscription

CLICK HERE TO
START

a FREE e-newsletter
subscription

Launch pad takes off **6**
Decorative dispensers **33**
Tape lets produce breathe **40**

 **Johnson**
A FAMILY COMPANY



Shrink Goes Green

Environmentally Friendly Corn Based Film



GILBRETH

3001 State Road, Croydon, PA 19021

800.630.2413

www.gilbrethusa.com



Gilbreth labels made from  **EarthFirst®** PLA film,
a sensible alternative.

Extraordinary labeling solutions are here. Gilbreth, in conjunction with Plastic Suppliers, now offers shrink sleeves and tamper bands made from corn; a renewable and sustainable resource that offers your company a viable alternative to traditional packaging feedstock.

Keep your products competitive in the marketplace with the latest in shrink label technology.

- Renewable Resource
- Low Initiation Temperature
- High Shrink Properties
- FDA-Direct Food Contact
- Excellent Ink Adhesion

Due to the overwhelming success of our Shrink Training Seminar at this years Pack Expo, Gilbreth is offering...

SHRINK TRAINING 101

in your facility!

Our Professional Training Staff will come to your facility to instruct and answer your questions about printing Shrink Sleeve Labels.

For more information please visit our website
www.gilbrethusa.com

Increase Speed and Flexibility...

with servo controlled mechatronics solutions

FESTO



If you are looking to increase throughput and efficiency on your packaging equipment and processes, Festo has the innovative solutions to provide more reliable, more flexible, and faster production.

As a leading global manufacturer of pneumatic, electromechanical, and control technology, Festo is uniquely positioned to provide an optimized mechatronics solution by seamlessly integrating the best-suited technology for each movement.

Top class technology combined with system and process expertise... Festo supports all automation requirements... from pick & place to customer-specific handling, from servo/stepper drives to controllers.

Festo... Supporting advanced automation... as no one else can.

Precise metering, filling, and sealing

This entire seven station process is supported by Festo electromechanical and pneumatic components.

26 standard and short-stroke pneumatic cylinders are used in conjunction with 10 MTR-ST stepper motors and type MTR-AC servo motors.



Electromechanical Linear Actuators, Motors, Controllers, and Drives

For more information visit:
www.festo.com/us/pd

contents

MARCH 2009 volume 46 no. 3



40

features

18 COVER STORY Flexible packaging winners show their flair.

24 WET WIPES PACKAGING Diamond Packaging produces more than 1 million towelettes/day for restaurant chains.

28 CHECKWEIGHING Tillamook adds a stand-alone checkweigher for one of its cheese-packing lines.

30 TUBE PACKAGING Colgate-Palmolive debuts the first transparent toothpaste tube.

33 DECORATOR DISPENSER Clorox Co. adds a decorator PP canister for cleaning/disinfecting wipes.

34 SLEEVE LABELING Envirocon moves to a shrink label for bottles of dishwasher detergent additives.

38 WRAPPING Writing instrument producer replaces a wrapping system lost (among many other things) in a flood.

40 PALLETIZING Backyard Farms unitizes tomato loads so they can 'breathe' in transit.

new technology

27 SUSTAINABILITY Communicating the recycling message isn't as easy as it seems.

43 SYSTEM INTEGRATION Analyzing the "Automation in Packaging" study, part 2.

33



6



new products equipment

Vivo! Photo-Quality Digital Label Printer

You need 7,500 color Labels by this afternoon? No Problem!



The Vivo! digital color label printer is designed for manufacturers who need fast-turnaround on "short-runs" of labels for printing just-in-time, private label packaging, and export labels. The Vivo! digitally prints photo-quality labels at high speeds, up to 3 ips in 600 dpi CMYK color and is cost-effective for moderate-high volumes of labels, from 500 – 25,000 per batch. The Vivo! is a toner-based printer, similar to a laser printer, and printed labels are extremely resistant to fading, abrasion, and moisture. Prints onto paper and synthetic die-cut labels and tags.

QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Integrate Color Label Printing In-line



QuickLabel's Xe series of thermal transfer digital color label printers can be integrated "in-line" with automatic label applicators. They produce color labels faster than any other in-house label printers, and offer the greatest speed in processing and printing variable label content. Print as fast as 7 ips in 4 Spot Colors or 3-4 ips in CMYK Process Color. Prints from enterprise software, custom software, or our Custom QuickLabel® Omni software on rollstock up to 8.3" wide.

QuickLabel Systems, 877-757-7978.
www.QuickLabel.com

Blank Labels & Inks



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 such a reliable printer, it comes with a Lifetime Warranty and QuickSwap replacement service.

QUICK LABEL SYSTEMS
The Labels You Want When You Need Them®

Call us toll-free: 877-757-7978
Visit us: www.QuickLabel.com

Inkjet
Technology by
hp
invent



Little label printer, big ideas™ :-)



departments

- 6 DESIGN TRENDS** Beverages and “Launch pad”
- 11 COMMENT** Packagers need more than a compass today
- 12 NEW EQUIPMENT** Cartoning, Casing, Sealing
- 16 NEW PRODUCTS MATERIALS** Film & Foil
- 27 SUSTAINABILITY** Conveying the recycling message
- 43 SYSTEM INTEGRATION** Automation study, part 2
- 44 INFO SHOWCASE**
- 45 MARKETPLACE**
- 47 NEWSMAKERS**
- 47 AD INDEX**
- 48 ONPACKAGINGDIGEST.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
Lauren R. Hartman, Senior Editor
630/288-8749 lhartman@reedbusiness.com
Jack Mans, Plant Operations Editor
630/288-8747 jmans@reedbusiness.com



Linda Casey, Associate Editor
630/288-8746 linda.casey@reedbusiness.com
Lora Lee Gelles, Art Director
630/288-8566 lgelles@reedbusiness.com
David Bellm, New Media Editor
630/288-8757 david.bellm@reedbusiness.com

Joy Tan-Pipilas, Production Editor, mtan@reedbusiness.com

Christina Kayalik, Production Manager, 630/288-8431, christina.kayalik@reedbusiness.com

Shirley Surles, Ad Production Coordinator, ssurles@reedbusiness.com

Lisa Stephens, Ad Services Coordinator, felecia.stephens@reedbusiness.com

Gabriel Weckesser, Web Producer, gabriel.weckesser@reedbusiness.com

Tad Smith, CEO

Jeff DeBalko, President of Business Media

John Poulin, Senior Vice President, Finance



John Bold, Group Publisher
630/288-8835
JBold@reedbusiness.com

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

Multi-Lane Shaped & Wet Wipe Pouch Machine



Fillers for:

- Liquid Products
- Paste Products
- Dry Products

Vertical Form Fill and Seal to produce:

- Four Side Seal Pouches
- Shaped Pouches
- Wet Wipe Pouches



3005 State Road, Telford, PA 18969

Phone: 215-721-4600

equipmentsales@fresco.com

www.fresco.com

The innovative leader in flexible packaging systems

A Story of a Manufacturing Firm, Your Town, USA



Chapter 1: Typical production line. Too many people making up too little cartons. Profits are drying up. You've pulled out all your hair!

Chapter 2: Scary scenario. Your best worker is out with carpal tunnel and you have to generate 80,000 units by next week!



Chapter 3: You install a Bivans cartoner. Cartons are pumping out, workers are happy, and profits are up.

Final Chapter: You saw Return on Investment months ago. And since the life-expectancy of a Bivans is 15 years or longer, you sit back and relax.



2431 Dallas Street * Los Angeles, CA 90031

(323) 225-4248 Phone * (323) 225-7316 Fax

Website: www.bivans.com

Email: info@bivans.com

“Built like a tank” But not priced like one



AGGLOMERATION & BLENDING

- Dry ingredient blending with air, plough and ribbon blenders to ensure consistent, homogeneous products.
- Largest agglomeration capacity in North America, continuous flow system, designed for flexibility in handling dairy and other food products.



TURNKEY SOLUTIONS

- As a full service, turnkey manufacturer, Century Foods can handle every aspect of getting products to retail. From R&D to filling and packaging, we do it all.
- We work confidentially with customers to produce quality, custom products under their label.
- Century Foods has the capacity and flexibility to handle any size filling and packaging requirements.

"NOTED IN THE INDUSTRY FOR CONTRACT MANUFACTURING"

At Century Foods, we're focused entirely on meeting the needs of our customers. Every need. We can take your idea from concept through research and development to manufacturing and, finally, into a retail-ready container.

When you're ready to get your product off the ground, we're here to make it happen.

Our expertise, your success.

**CENTURY
FOODS
INTERNATIONAL**

A Division of Hormel Foods Corporation.

VISIT US AT WWW.CF-PD.COM
OR CALL US AT 800-269-1901



FILLING & PACKAGING

- Bulk packaging in totes and bags.
- Consumer packaging: plastic jars with induction seals and full sleeve or pressure sensitive labels.
- Bulk packaging in totes and bags.
- Re-sealable gusseted bags and variety of pouches.
- Stick packaging and tablet pressing.



R&D QUALITY ASSURANCE

- R&D team with backgrounds in chemistry, microbiology, nutrition, food science and chemical engineering.
- Ready to drink and nutrition formulators.
- Rigorous HACCP program, NSF GMP 9000 Certified and AIB inspected.



READY TO DRINK

- High acid, hot fill ready to drink line with homogenizer, deaerator and pasteurizer with tubular heat exchangers.
- 8-46 oz. PET, or Polypropylene. Shrink sleeve and wrap around labeling.
- RTD products can be multi packed with registered or non-registered film, trayed and overwrapped or RSC cartoned.
- Pilot line available.



design trends



Single-dose packets are a marvel for Miracle-Gro

Scotts Miracle-Gro Products, Inc., Marysville, OH, has launched a no-mess way to feed plants with its new Miracle-Gro® Watering Can Singles™, the same Miracle-Gro all-purpose, water-soluble plant food product in a zippered bag holding 24 premeasured packets. Traditionally packed in bulk in a bag-in-carton equipped with a plastic measuring scoop, the nutrient-rich blue plant food now comes in individual packets that can be torn open and dispensed right into a watering can along with 1 gal of water for outdoor and container plants or 2 gal of water for indoor plants. The film packets are printed with Scotts' green and yellow graphics and can be seen through the clear-film side gussets of the block-bottom secondary bag. The outer metallized film bag has handy tear-notches at the top, just above the zipper and below a die-cut hanger hole. Eye-catching graphics on the front panel feature a green watering can and multicolored flowers that are repeated on the clear film side gussets for an attractive and attention-getting effect. Packaging specifics from Scotts are slim, but PD noticed a striking similarity between the outer package and **Printpack's** (www.printpack.com) Showpack® preformed pouch structure, which has a block-bottom base and a clear-film-laminate side-gusset design. Printpack confirms that it originally supplied the plant-food company with a Showpack, but is no longer doing so. PD picked up a bag for \$4.35 in Chicagoland.



AriZona Beverage moves to PET hot-fillable bottle

AriZona Beverage Co. has commercialized **Constar Intl.'s** (www.constar.net) VCT™ (vertical compensation technology) PET bottle for its ready-to-drink beverages in seven SKUs. The iced teas, lemonade, fruit punch and juices now come in a 20-oz, panel-less, PET bottle

designed for hot-fill beverages. A "tallboy" with a "special geometric design," the bottle accommodates the initial heat of hot filling and the proceeding cooling process without paneling or collapsing. The bottle's rigidity is similar to glass and imparts a quality brand image.

Kellogg saves space with slim cereal box

Kellogg Co. has begun a six-month test in Detroit of what it says is "a more consumer-friendly, space-saving box" for its cereal brands that could potentially redefine the cereal aisle. The new boxes appearing at Wal-Mart and Kroger stores are shorter and deeper but hold the same amount, according to the company. Manufacturers of consumer goods have changed the size and shape of packaging in response to retailers who want to free up shelf space to stock more varieties and reduce waste. Kellogg is testing the new boxes to gain consumer and retailer insights that could prompt a potential U.S. rollout. The test will occur over a six-month period. The company says the slimmer box contains "the same amount of the foods people love with less packaging." Optimizing the box configuration, Kellogg can reduce the package size without decreasing the amount of food. The test could signal one of the most significant cereal packaging changes since the 1950s. Says Kim Miller, vp of morning foods marketing at Battle Creek, MI-based Kellogg, the new package is designed to better meet consumers' desire for more space in their pantries."



Launch pad

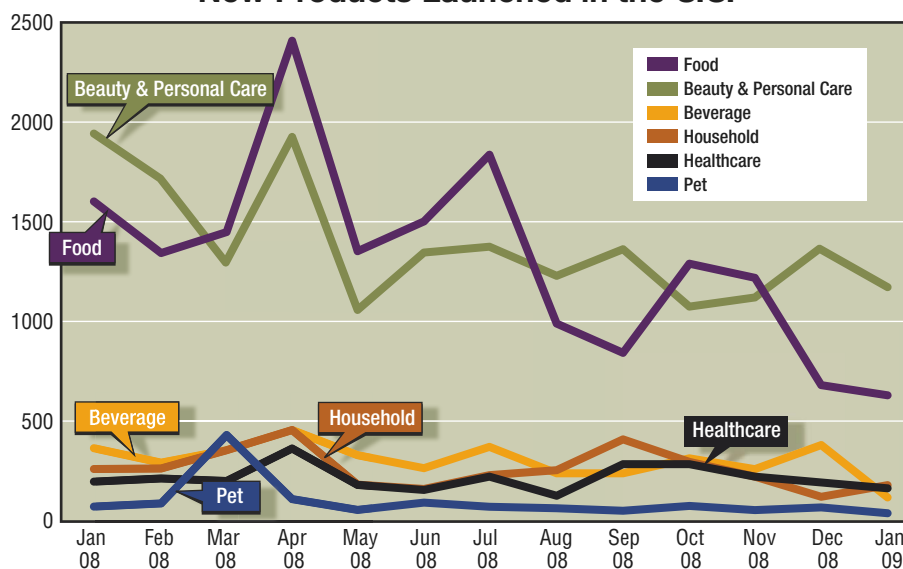
New Package of the Month

Puppet compact from Italy

The Italians have created a novel way to package makeup. Micys in Milan has gone to market with the Pupa Puppet makeup kit, which includes blush, bronzer, eye shadow, lip gloss and a mirror, all placed on a hinged palette that is hidden within a puppet figure. The palette acts as the legs of the puppet, and when the feet are pulled out, the makeup compact is at your fingertips. The compact is an injection molded plastic, and embossing and foil blocking are used to decorate the puppet. On the back, there is a heart-shaped brooch and mobile phone strap for convenience. For more product launch information, visit www.packagingdigest.com/launchpadmarch.



New Products Launched in the U.S.

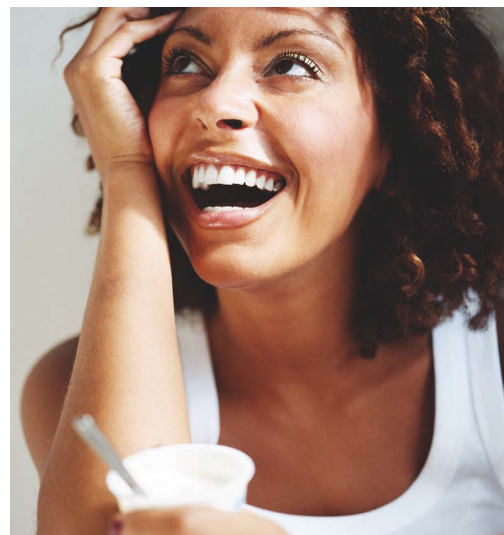


Source: Mintel Global New Products Database (GNPD)

INSPIRED SOLUTIONS

At Alcan Packaging Food Americas, our customers are our No. 1 priority.

We have a passion for packaging and we are dedicated to doing all the right things for you. Our talents are focused on manufacturing excellence, sustainability and innovation — producing high-performing, high-quality, convenient food packaging products. Because of you, we are inspired to create industry-leading solutions for a dynamic market.



**Talk to your Alcan Packaging Food Americas representative at
1-773-399-8000 or visit www.alcanpackaging.com**

ALCAN PACKAGING
FOOD AMERICAS



design trends beverages

Plastic wine bags cut waste

Last September, Swedish wine importer and contract-packager **Facino AB** (www.facino.se) started packaging wine in plastic pouches as an alternative to the bag-in-box (BIB), on behalf of Swedish wine distributor Fondberg & Co AB. The 3-L pouch, which is a three-layer lamination with a tap similar to that of a BIB, is estimated to reduce waste by 90 percent. The two wines available in the new bag—South African Douglas Green Bellingham and Spanish Agramont Crianza—have enjoyed good sales at Systembolaget, the Swedish Alcohol Retail Monopoly, and distributor Fondberg & Co. plans to add more products to the line.

The pouches are made by Saflite Packaging, a subsidiary of the South African company, **Astrapak Ltd., Group** (www.astrapak.co.za), at a plant in Cape Town, South Africa. Available in 1.5-, 2- and 3-L sizes, the pouches consist of 12-micron PET/12-micron metallized PET/150-micron coextrusion of HDPE/EVOH/LLDPE. The bag is 8-color flexo reverse-printed with a level indicator on the side and features a punch handle and a low-profile tap with tamper-evidence and a foil seal. The 3-L bag sells for the Swedish equivalent of \$24. Says Magnus Lansman, brand manager at Fondberg, “We’ve sold more than 150,000 bags so far.”



Tea bags wrap it up in compostable metallized film

World-renowned tea blender/producer Twinings of London chooses a sustainable and compostable packaging film from **Innovia Films’** (www.innoviafilms.com), **NatureFlex™** as a wrap for a tea called Everyday, one of its major tea products. Founded in 1706, Twinings offers quality teas enjoyed in more than 100 countries. The shift to metallized NatureFlex NM film meets one of its goals to use more sustainable packaging materials so that consumers can cut waste. Says David Parkes of Twinings, “Using NatureFlex as the inner wrap not only protects the tea bags, but makes it easier for our customers to reduce waste through home composting.” Made from renewable wood pulp and metallized in-house, the cellulose-based film breaks down in home compost bins in a matter of weeks, according to Innovia. It has inherent deadfold and antistatic properties as well as gloss and transparency and resists grease and oil. Innovia says the small amount of metal—less than 0.02 percent—slows the film’s degradation by a matter of days, but doesn’t interfere with its biodegradability in any other way. **ASP Packaging Ltd.** (www.asppackaging.com) in Watford, U.K., converts the film into a wrap and prints it with a gold wash. The 160 tea bags are packed into a 500-g an outer carton made of recycled paperboard produced by **Mayr-Melnhof** (www.mayr-melnhof.com).



Sleek bottle gives replenishment drink a wakeup call

Code Blue is a zesty, new recovery drink set to make a splash on the market. Available online at www.drinkcodeblue.com and currently in more than 100 locations in New York City, the bottle features a cutting-edge design created by the founders of the New York City-based company by the same name. Formulated with antioxidants to help you feel better by hydrating, replenishing and detoxifying, Code Blue comes in a sleek, custom 12-oz PET bottle produced by **MPI Packaging, Inc.** (www.mpi-pkg.com), sourced by **Zuckerman Honickman** (www.zh-inc.com). Dazzling LiquidMetal metallic-finish technology from **Ampacet Corp.** (www.ampacet.com) is used on the bottle to replicate a highly reflective, polished-metal look. Topped with an **Alcoa Closure Systems Intl.** (www.csi-closures.com) twist-cap, the bright blue bottle features jazzy 3D holographic ink and liquid metal labeling screen-printed in four colors with UV flexo inks and holographic foil stamping by **J.R. Cole Industries** (www.jrcole.com). Code Blue can be consumed before, during or after a night out, to speed the recovery process and bring the body back into balance. **Black Bear Bottling Group, LLC** (www.blackbearbottling.com) in Oak Creek, WI, copacks Code Blue.



PRECISION CASE PACKING



NEW SERVO PACKER
• High speed performance
• Fast, repeatable changeover
• Economical operation

Rely on the leader in secondary packaging

We’ve got you covered, with quality, innovation, and service:

- ✓ Proven performance
- ✓ On-time delivery
- ✓ Factory parts
- ✓ Reduced maintenance
- ✓ Expert installation
- ✓ PMMI-certified trainers
- ✓ Competitive pricing
- ✓ 24/7 support
- ✓ Upgrade/refurbish service



For over 66 years, helping our customers to profitably reach their production goals. How may we help you?

800-237-5975

www.abcpackaging.com



**A-B-C PACKAGING
MACHINE CORPORATION**

A-B-C Packaging Machine Corp., 811 Live Oak St. Tarpon Springs, FL 34689
Phone: 727-937-5144 - Fax: 727-938-1239

We're excited about the impact
this innovation won't make.

After 50 years of innovation, Printpack is proud to introduce **Natura™**, our new family of sustainable structures and solutions that will greatly reduce the environmental impact of your packaging and our company. So now, doing the right thing for the environment and your brand comes naturally when you choose **Natura™**.



Printpack Inc.®

Packaging Better Ideas.®

www.printpack.com



Member of

**SUSTAINABLE PACKAGING
COALITION**

design trends

Tuna steak in high-barrier containers is catching on in Spain

Spanish seafood company Bernardo Alfageme, S.A. is revolutionizing the shelf-stable seafood market in Spain with a new high-barrier plastic cup for its Miao brand containing one-piece tuna steaks. Miao, which introduced the new package last September, asked **EDV Packaging** (www.edvpackaging.com) to lead the project, and

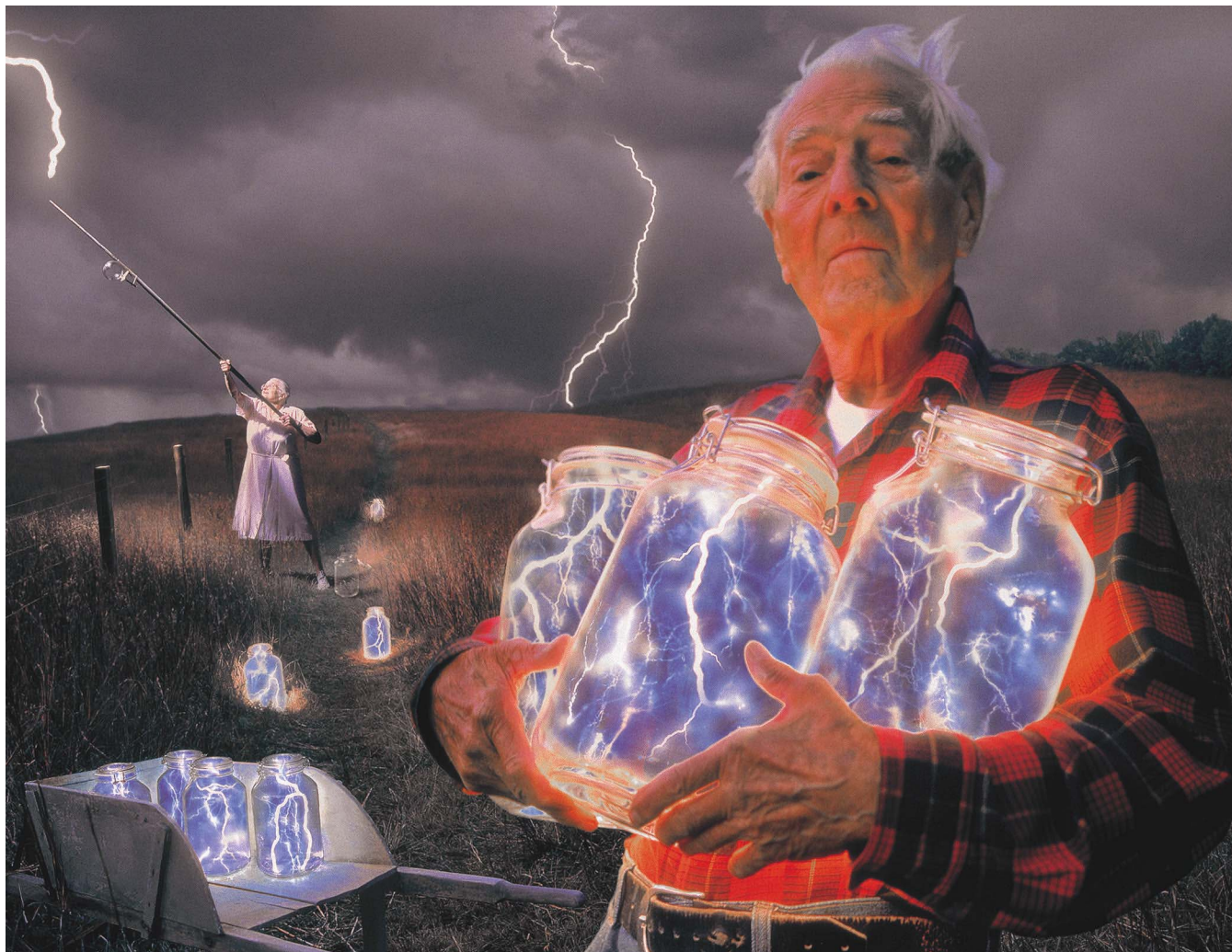
EDV developed an innovative, high-barrier round cup made of white PP/EVOH/PP for the value-added natural-tuna preserves. EDV coextrudes and thermoforms the cups in its production plant in Llinars del Vallès, Spain.

Thanks to the robust EVOH layer, the cup provides a shelf life to prevent decay and preserve taste for up to 12 months, as well

as provide a moisture and oxygen barrier, when it is stored at ambient temperature under optimal storage conditions. Damage from light and ultraviolet rays is avoided thanks to the opacity of the base material. The challenge for EDV Packaging was to design a cup that could contain tuna steaks in one piece. It developed a round

container that resists breakage during the sterilization process, thus becoming a perfect substitute for cans. The cups are hermetically thermosealed with a high-barrier peelable plastic film from **Amtor** (www.amtor.com), which consists of a multilayer structure of PET/polyamide/cast PP. The cups are marketed in a decorated sleeve from Spain's **Acpack** (34-986-288-993).

The final presentation is eye-catching from supermarket shelves and offers an alternative to consumers looking for healthy, high-quality products that are environmentally friendly. The plastic material makes the cup 100-percent-recyclable.

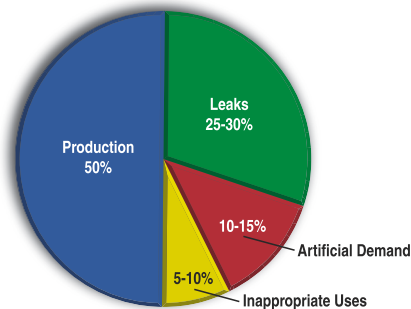


At Kaeser, our tradition of saving energy goes back generations.

Energy costs have never been higher. That's why it's so important to get maximum efficiency out of your compressed air system. And with as much as 50%* of compressed air being wasted, you could save a bundle.

Trust the specialists at Kaeser to find energy savings by reducing inefficiency in your air system, while also cutting maintenance costs and delivering process improvements. We are the industry leader in conducting *true, comprehensive* air system audits, so you know you'll get the best possible advice and recommendations.

Visit www.kaeser.com/ada to see if you'll benefit from an Air Demand Analysis (ADA) - and how we've helped other plants significantly improve their bottom line.



Only 50% of compressed air is actually put to productive use.*

KAESER
COMPRESSORS

Built for a lifetime.™

Kaeser Compressors, Inc., Fredericksburg, VA USA ■ (866) 516-6888 ■ www.kaeser.com/ada

* Source: U.S. Department of Energy; Compressed Air Challenge®. ©2009 Kaeser Compressors, Inc. All rights reserved.



PVC sleeves dress dressing bottles

James Beard award winner Roy Yamaguchi opened the first Roy's restaurant in 1988 in Honolulu, Hawaii. Today, there are more than 37 Roy's locations around the world. Yamaguchi is regarded as a pioneer who mastered a distinctive style, which he refers to as his "Hawaiian Fusion®" cuisine. Last October, he launched Roy Yamaguchi's Hawaiian Fusion food product line, which consists of three dressings and marinades: Creamy Honey Herb; Exotic Thousand Island; and Tangy Sweet Onion. The 12-oz bottles of dressing sell for \$8.00.

Providing a spectacular shelf presence for these products are PVC shrink-sleeve labels and colorful neck bands from **Ameri-Seal, Inc.** (www.ameri-seal.com). The vibrantly colored neckbands are gravure-printed in two colors and are perforated for easy removal.



comment

John Kalkowski, Editorial Director

Packagers need more than a compass in this market



Who really knows where the packaging industry—or the entire economy, for that matter—is headed these days? Usually, an established industry tradeshow gives you a pretty good indication of the industry's direction. However, that wasn't necessarily the case when I visited the recent WestPack show in California.

For a good part of the show, it appeared to be business as usual. The aisles were crowded. People were looking at new machinery running on the floor and asking questions. The guy in the booth next to us had a huge grin because he had just completed a million dollar sale. But when I started talking with packagers on the floor, it was apparent that many of the companies have put investments on hold. These packagers say there are many contributing factors, such as reduced orders, tight credit and uncertainty over potential tax credits in the government's bail-out plans. Many of these companies have expansion plans ready to go; they're just waiting on funding.

It's a well-known axiom that there is always money to be made—even in down markets. Even severe downturns like the one we now face are largely psychological crises of confidence. A recent article pointed out that there are two types of businesspeople: Those who panic and cut the vitality out of their business through layoffs and physical

downgrades; and those who try to understand where these sweeping changes are taking us and invest for the future. Which type are you?

■ This month, *Packaging Digest* kicks off "Launch Pad," a feature that combines the latest data from **Mintel Intl.** (www.mintel.com/gnpd) on new product launches with a hot, new package to be chosen monthly by Mintel analysts.

Mintel is a leading global supplier of consumer, product and media intelligence. Launch Pad is on p.6 and will always appear on the first page of our Design Trends section. More details on U.S. and global product introductions are available on our website at www.packagingdigest.com/launchpadmarch.

■ In February, John Bold was named the group publisher of *Packaging Digest* as part of an internal restructuring. He is a veteran in the packaging and printing industry, with an added range of publishing experience in other business-to-business vertical markets. Bold says that he is committed to providing *Packaging Digest's* readers and advertisers with a strong link to the packaging community, connecting them through our print and online resources.

John Kalkowski

IF YOU HAVEN'T GONE GREEN YET, MAYBE IT'S TIME TO LEAP TO SFI®.



Your customers are getting greener every day. When you use SFI®-labeled packaging you're part of a program whose members plant 650 million trees every year, train loggers, invest in research and promote sustainable forest management. SFI is fully independent, globally recognized, third-party audited, and supported by conservation groups. Good reasons to choose SFI, sure. But there's more: with SFI, you can count on a steady supply. The SFI label can be used to identify fiber from 82 percent of the certified forests in North America. And that's good for your business and good for our forests.

Find out more at www.sfiprogram.org



Good for you. Good for our forests.™

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 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

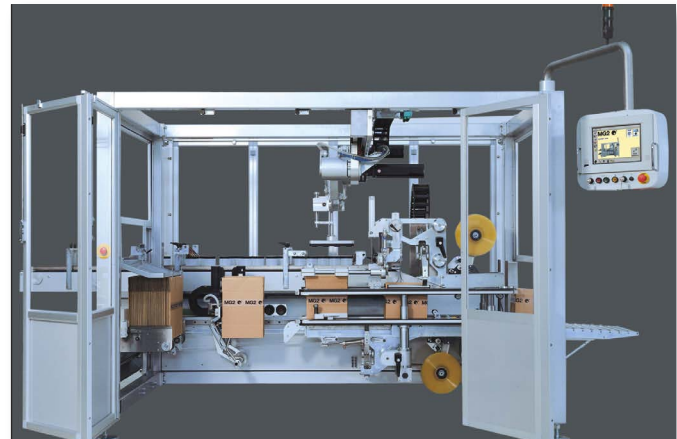
www.ctmlabelingsystems.com

new products equipment

Cartoning, casing, sealing

Carton sealer Automatic SS carton-sealing machines feature yields to 50 units/min and ROIs as low as 6 months. The co.'s extreme Hot&Cold All Temp, Low Stretch, ISO 9000, ISO 14,001 machine compatible acrylic tape combines for multi-temperature food production and distribution. Exclusive SS Hi Speed tape heads are standard on more than 83 SS tape-machine models.

BestPack Packaging Systems, 909/987-4258.
www.bestpack.com



Case packer Incorporating servo motors for main machine movements, the GTL30 case packer features an advanced operator touchscreen interface for ease of use, an exclusive balcony design for ease of cleaning and maintenance and requires no parts changes for different case sizes. In addition, the case packer erects cases from loading to machine discharge at speeds of up to 25 cases/min and is pre-arranged for integration to supervisory control systems.

MG America, 973/808-8185.
www.mgamerica.com



Produce packing sealer The redesigned AVSealer for packaging fresh-cut produce features a new, "true temperature" control and meets the highest international safety standards, the co. reports. The sealer is suitable for small- to medium-size produce packers. A semi-automatic machine, the AVSealer heat-seals a variety of bag sizes with or without a vacuum and has an optional gas-flush cycle to maximize production flexibility and satisfy the demands of a wide range of fresh-cut applications. The temperature control assures a consistent sealing temperature to maximize package quality by eliminating burn-through, and seals that don't hold. The co. reports that the new temperature control also reduces energy use and allows for faster heat sealing. Seals bags up to 18.5-in. wide at rates of 4 to 6 bags/min with vacuum and up to 8 bags/min without vacuum.

Key Technology, Inc., 509/529-2161.
www.key.net

Package inspection The pakCheck inspects paperboard containers to prevent spoilage and health dangers using several optical sensors. Detects leaks efficiently without touching the containers and ensures that closures are present and have been correctly applied. pakCheck not only checks the tightness of the carton but also ensures that the customer can correctly assess

how long the product will stay fresh. A detection for reading checks and validates that printed best-before dates are properly positioned and accurate. Any faulty containers are rejected.

Heuft USA, 630/968-9011.
www.heuft.com



AS/RS system Multishuttle is a flexible, automated storage and retrieval (AS/RS) staging system for applications that require dynamic, fast, product sequencing to support order assembly,



goods to the person picking and pick replenishment. Key attributes include the ability to accommodate load-sequencing requirements and adaptability to existing building layouts. The system consists of multiple levels of an AS/RS rack structure, carrier

vehicles, buffer conveyors and software. Each level of the rack structure includes input/output conveyor and a carrier vehicle that travels horizontally to access loads stored in the rack structure—typically totes or trays. An extraction device on each carrier vehicle accesses the loads in the rack.

Dematic Corp., 877/725-7500. www.dematic.us



Partition inserter Model 70 dual-head partition inserter opens and inserts up to 50 partitions/min, while cycling at a conservative 25 cycles/min, providing high-speed performance while minimizing machine operating expense and wear. The inserter runs chipboard and corrugated partitions with up to 48 cells, air-cell 6-packs, 'A' cell 6-packs and locking partitions including 'Q' lock, center lock and top and bottom lock. The servo-operated insertion heads ensure precise partition selection from a magazine and placement into the case. Features tool-free, repeatable changeover and a touchscreen station with intelligent control to make speed and motor functions automatic.

A-B-C Packaging Machine Corp., 800/237-5975. www.abcpackaging.com



Robotic palletizer The EC-171 high-speed robotic palletizer operates at speeds up to 20 cycles/min and is equipped with a built-in collision-detection system. The palletizer incorporates the largest working envelope of all the co.'s models while maintaining the smallest rotation radius. The robot can function in tight spaces while maintaining smooth throughput. In respect to the advanced-control scheme, a 10.5-in. color touchscreen is used for human interface control (no laptop required). Within the system there are also onboard diagnostics, an advanced programming platform and up to 400 different preprogrammed recipes.

American-Newlong, Inc., 317/787-9421. www.american-newlong.com

Shrink wrapper The continuous-motion 596S Continuum™ shrink wrapper is designed to handle PET, glass and metal containers, and applications in the food, beverage and household product industries. Engineered with single-roll lap-seal technology, the 596S shrink wrapper is low-maintenance and utilizes servo motion to adjust speed easily according to product flow, maintaining a continuous motion at speeds of up to 80 trays/min. Has a PLC control system with operator interfaces for both the tray and shrink functions and a smaller interface at the shrink-cut assist in setup. Precise servo film cutting is done with a simple rotating blade.

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



It's In There...



Thinking Outside the Box... Again.

Today's inventory management challenges require creative solutions. And by thinking outside the box, we've been able to pack dozens of new features inside our new GL4e lineup of thermal printers. All of which mean greater productivity and performance for you and your business. Highlights include:

- ✓ **Competitive Product Emulations**
- ✓ **RFID Ready**
- ✓ **Industrial Mid-range Solution**
- ✓ **Multi-port Interfaces**
- ✓ **SATOnet Connect™**
- ✓ **Stand Alone Capability**
- ✓ **Graphical LCD Panel**

See for yourself why the GL4e series from SATO is the industry's best – bar none. For more information, call your local reseller today or log on to www.satoamerica.com.



new products equipment

Liquid filler Servo/Fill® liquid fillers are designed to provide fast changeover, easy clean-up, versatility and high quality, the co. states. The fillers also feature the expansion capabilities. DFor example, a single-head, benchtop filler can be upgraded to a 4-head, modular automatic system as product demand grows. Featuring tool-less disassembly and tool-less pump mounting, a minimum fill capacity of 1/3 oz and a maximum fill of up to 5 gal, three sizes of sanitary gear pumps and state-of-the-art electronics and controls, Servo/Fill can be expanded to a modular, automatic configuration and used in that configuration or be removed from a line for use elsewhere as a benchtop filler.

Oden Corp., 716/874-3000. www.odencorp.com

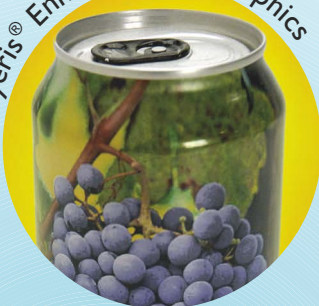


Ball Packaging Innovation

Plastic Wine Bottles



Eyeris® Enhanced Can Graphics



Gamma-Clear® Plastic Jars



Alumi-Tek® Aluminum Bottle



EZPeel™ Ends



Aergo® Shaped Aerosol Can



Packaging the Experience

Ball Corporation • www.ball.com • Eat. Drink. Imagine.

Printer The D508/D512 direct-thermal printer is an on-site labeling system for use in logistics, manufacturing, distribution, pharmaceutical, healthcare, retail, transportation, apparel, automotive and military industries. Employing either a 203- or 305-dpi printhead, the D508/D512 can reach speeds up to 6 in./sec. Prints labels up to 4 in. wide.

SATO America, 704/644-1650.
www.satoamerica.com



Wireless I/O series The Wi-ModPak wireless I/O series offers up to eight I/O points per device, associated expansion modules and wireless gateways (no I/Os) used for Modbus/Profibus communications. The same wireless I/O module can be set via software as a transmitting/receiving device or as a repeater for range extension or obstacle avoidance. The series and its wireless gateways are classified as Class I, Div. II for hazardous locations. Comes in a 900-mHz (U.S. license free band) with high penetration and long-distance range with 14-mi LOS; and 2.4-gHz (globally accepted band), with 7-mi LOS.

Eurotherm/Action Instruments, 703/443-0000. www.actionio.com



A. Schulman Provides 'Green' Technologies for Real-World Solutions

AKRON, OHIO – While much progress has been made in producing more eco-friendly packaging solutions, none of the current technologies offer a complete solution. Inflated claims and misinformation further complicate the process of choosing the most appropriate 'green' technology.

"At A. Schulman, we help guide customers through the process of finding the best solution by reviewing their goals

olefin has been oxidized into low molecular weight, polar species, it can then be consumed by microorganisms. Through the action of these microbes, the material is transformed into carbon dioxide, water, and biomass. The oxo-biodegradation process is initi-

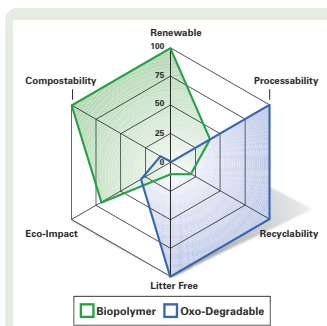
ated and accelerated through the use of pro-degradant additive masterbatches, such as the Polybatch DEG series of products. These products are suitable for use in polyethylene or polypropylene applications.

Further, these masterbatches have a 20-year track

record. According to Kari MacInnis, Polybatch Additives Technical Manager, mulch films made with Polybatch DEG 34 have been used for many years on corn fields in France. At the end of each growing season, the remnants of the film are tilled into the soil. After all

these years of practical use, no build up of film in the soil is evident, nor are there any issues with plant growth.

More eco-friendly packaging is ideal and A. Schulman continues to be in step with the evolution of 'green' technologies.



By assigning a rating from 0 to 100 (where 100 represents a positive effect) to each of these attributes for a hydro-biodegradable material (e.g. a biopolymer) and an oxo-biodegradable polyolefin, the end user can determine which approach is most suitable for their application. Both technologies provide steps in the right direction while green technology continues to evolve.

and considering the customary disposal methods related to their applications," said Chuck Hampton, Business Manager - North America, Polybatch®

Additive and Color Masterbatches.

One solution can be found in hydro-biodegradable polymers. In order to biodegrade in the environment, these polymers must be exposed to industrial composting conditions. Over the years, A. Schulman has developed a wide range of Polybatch masterbatches based in the commercially available biopolymers or synthetic biodegradable polymers. The range of masterbatches includes colors and additives, which can improve performance and processability of these polymers, while maintaining their ability to be compostable.

Because the United States lacks curbside collection systems and widespread compost facilities, the eco-benefit of this technology is not fully realized, so an additional technology may be considered.

Oxo-biodegradation is a solution that allows polyolefins to be biodegraded. With oxo-biodegradation, once a poly-

Cut Through the 'Green' Tape

with Polybatch® Solutions

It's not easy being "green." Nor is there a single solution for eco-friendly packaging. Let A. Schulman help you cut through the confusion to find the best product for your unique application.

As a global leader, we've been supplying "green" technologies for more than 20 years. Today, we're leading the way in finding realistic solutions for a better planet.



To find out more call our Polybatch Technical Manager at **330.239.3062** or visit our website at www.aschulman.com/Polybatch.



A. Schulman
COMPOUNDING YOUR IMAGINATION™

Polybatch Technical Center
1475 Wolf Creek Trail
Sharon Center, OH 44274



Polybatch® Solutions for a Greener Future

new products materials

Film & foil



Bonding adhesive Ultra Light Weld 3220-SC plastics bonding adhesive is designed for rapid bonding and laminating of plastics such as PC, PVC, PET, ABS and PU. The adhesive is formulated with See-Cure color-changing technology so that it starts out bright blue in an uncured state, making it visible when dispensed onto substrates. After the adhesive is exposed to UV light, the color changes from blue to clear. Suitable for applications that require a high viscosity adhesive, the formulation is also available as 3220-Gel-SC.

Dymax Corp., 860/482-1010. www.dymax.com

Paperboard packaging The paperboard-based ComplyPak™ package combines blister compliance with the convenience and safety of amber medication bottles. Made with the security and sustainability of PharmaGuard™ packaging, the package consists of fully-brandable paperboard with a thermoformed tray and a child-resistant cap. An alternative to amber prescription bottles and conventional blister packs, ComplyPak delivers a three-step opening process: push; align; and remove, which makes it easy for elderly patients to use, the co. says.

Colbert Packaging Corp., 847/367-5990. www.colbertpkg.com

PET films

New 48-ga brushed, metallized PET films are available with a chemically treated print surface for laminating to paper and board. The thinner films can improve economies due to yield and will be available in larger rolls which require fewer changeovers. These films will be priced to compete with traditional holographic films, the co. says. In addition to PET, almost any plastic film with a smooth profile can be brushed to widths up to 67-in. Comes in several thicknesses in a wide variety of colors such as brushed platinum, brushed copper and brushed pewter.

Brushfoil LLC, 203/453-7403. www.brushfoil.com



Bake-in-bag The "Bake in Bag®" has been used in Europe for years and was recently introduced in New York. This new paper bag is printable, ovenable, microwaveable and can be used with a panini press. The bag can be made with or without a window and is 100-percent biodegradable. A manufacturer can take a product directly out of the oven and package into the bag while hot. The item can be immediately frozen and distributed to be reheated by the consumer or retailer. The product can be distributed as a pre-made bag or on rollstock to be used with automated packaging machinery.

Pro Pack Group, 201/871-8787. www.policartausa.com

NECOSORT-III

High Speed Plastic Bottle Unscrambler

The "Featherlight" bottle unscrambler™

Superior Lightweight Bottle Performance

The design of the NECOSORT-III insures that bottles are positively held, moved and controlled throughout the unscrambling process and do not rely solely on gravity. This provides a system that reliably handles the lightest bottles being run today.



• Smallest footprint in the industry

• Fast & Toolless Change Overs

• 3 Year Warranty

• High Bottle Yield

• Damaged Bottle Tolerant

The NECOSORT-III high speed plastic bottle unscrambler reduces maintenance & downtime, handles the lightest weight bottles being used today, and has the smallest footprint in the industry. Its unique design consists of a rotating vertical drum and only two moving parts. With no reciprocating motions, complicated mechanisms, hard to adjust container handling parts and tolerant of damaged bottles, the NECOSORT-III provides low maintenance, high reliability and carries a three (3) year warranty!

For more information and specifications call Nalbach at +1-708-579-9100 or go to www.nalbach.com

nalbach

©2009 Nalbach Engineering Company, Inc.

ENGINEERED FOR PERFORMANCE™

Industry proven adhesion test results

With our industry proven test platform, the Adhesion Release tester, and our widely acclaimed EZ Lab System software you can:

- test a wide variety of adhesives at various angles.
- download data on EZ Lab System software to view test results quickly and easily.
- easily graph multiple test results for direct evaluation and comparison.

To keep yourself on track, visit www.cheminstruments.com, or call 513-860-1598 today.

ChemInstruments
A ChemSultants International Company



Compostable bakeware

With the introduction of Renew-a-Pak™ compostable bakeware, baked goods can be baked, shipped and served in a more environmentally responsible manner without transferring products from a baking system to a display system, the co. reports. The bakeware, part of a growing family of earth-friendly packaging, provides the same performance benefits as alternative bakeware and includes muffin trays, bread and tart pans. With performance to match coated paper, metal and/or dual-ovenable CPET, the compostable bakeware helps bakers conserve water and energy used to wash dishes and trays and reduce the amount of dishwashing detergent discharged into waterways, the co. states.

Biosphere Industries, LLC, 201/703-4164.
www.biosphereindustries.com



Containers

EcoServe deli square containers are made from NaturesPLastic® with Ingeo™ biopolymer, providing a reduced environmental footprint. The containers are suitable for fresh-cut produce, nuts, candies and granolas, deli items and other take-out items. Available in 8-, 12-, 16-, 24-, 32- and 40-oz sizes, the container has a lid that fits all size squares for an SKU cost savings. The deli square collection is said to be made using less fossil fuel and reduced greenhouse gases than what's used for more traditional polymers.

Wilkinson Industries, Inc., 402/468-5511. www.wilkinsonindustries.com



Anti-counterfeit, tamper evident

Integuard anti-counterfeit and tamper-evident products are engineered to retain tensile strength suitable for automatic processing and fragment if removal is attempted. Integuard security film is available in gloss white paper look and transparent no-label versions. It's computer printable and can also be metallized or holographically embossed for uses where more obvious security protection is required. The film is biodegradable and home-compostable, in addition to being tamper-evident, the co. says. The film features clear and colored version for lamination and labels that can be customized with unique surface designs, hidden color or fluorescent edges.

Clarifoil, 44 0 1332 681 835. www.clarifoil.com



Moisture-resistant tray

The co. has achieved contact certification for its iTray moisture-resistant sugar cane tray. The tray has been approved by PIRA for food contact, chilling, freezing, microwaving and ovening. It is the world's first compostable, renewable and moisture-resistant sugar cane tray for chilled and frozen ready-meal applications. The co. says the tray is sustainable, compostable, suitable for ambient, chilled and frozen applications and complies with EEC and FDA food-contact and cooking regulations. The co. has also achieved compostable certification for its Biopeel PLA lidding and flowrap films. Biopeel PLA is available for sealing to and peeling from all container types, including PLA, RPET, APET, PP and foil.

Rockwell Solutions, 440/242-7779.

www.rockwellsolutions.com

Rigid film line

A rigid film product line has been extended to include GRG and GAG multilayer films. The GRG (PETG/RPET/PETG) and GAG (PETG/APET/PETG) coextruded films provide a cost-effective alternative to 100-percent-virgin PETG. The films are available in clear, and the GRG contains 25-percent post-consumer-recycled content. The co. stocks GRG and GAG in popular sizes at its facility.

Hop Industries Corp., 800/524-0757. www.hopindustries.com

Your Best Defense Against Contamination

Powerful Xtreme™ Rare Earth magnets remove fine metallic particles from process flows, while E-Z Tec® Inspection and Detection Systems provide the critical final check to assure the integrity of your products and packages. Go to eriez.com and review the wide selection of equipment to rid your products of contamination!

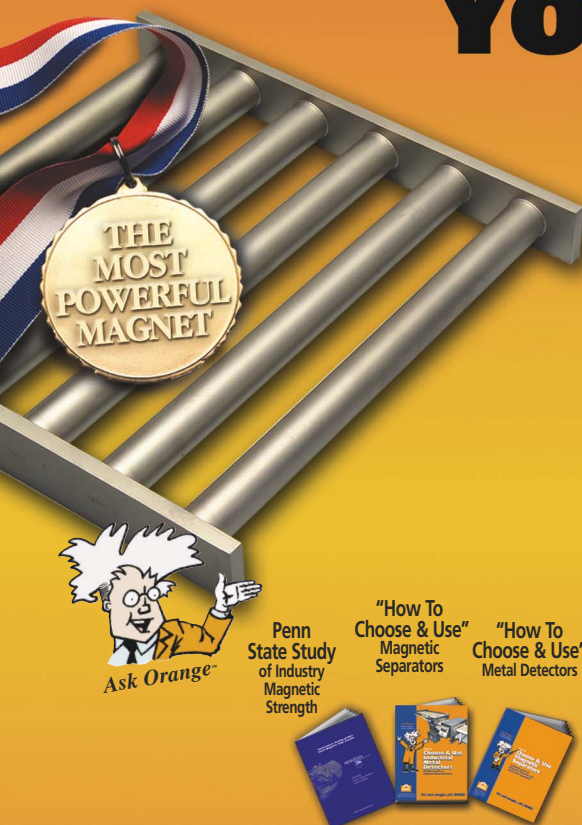
**Xtreme™
Rare Earth
Magnetic
Separators**



**E-Z Tec®
Inspection
and
Metal
Detection**



**NEW
X-Ray
Systems**



Penn
State Study
of Industry
Magnetic
Strength

"How To
Choose & Use"
Magnetic
Separators

"How To
Choose & Use"
Metal Detectors



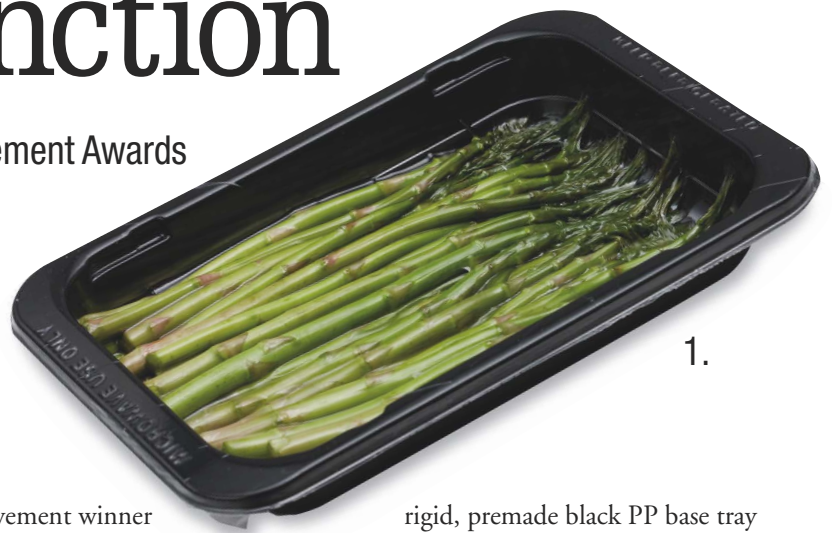
FREE Tools!

Call **888-300-3743**
Visit www.eriez.com



Flex-packs mix form and function

Winners of the 2009 Flexible Packaging Achievement Awards blend high performance and sleek looks with **CONVENIENCE AND SUSTAINABILITY** along with advances in printing and converting technologies.



Lauren R. Hartman, Senior Editor

High technology and sustainability won big this year in the 2009 Flexible Packaging Achievement Awards competition, sponsored by the **Flexible Packaging Association**, (www.flexpack.org). From vacuum skin-packs that protect fresh-cut asparagus and improve the way they're sold to pouches that use new ways to employ less material and bags with clever new opening features, flexible structures continue to demonstrate their power in changing the face of packaging.

Announced Feb. 25 during the FPA's annual meeting in Naples, FL, the awards are judged in Packaging Excellence, Printing Achievement, Technical Innovation and Environmental & Sustainability Achievement categories.

The competition included 79 flexible packaging entries submitted out of 113 competition category entries (several packages were entered in multiple categories). Of those, 24 received a total of 26 awards.

Winners earned the Highest Achievement Award, Gold and Silver Awards, while a Special Citation for Social Responsibility was also presented. The seven

gold awards, a Highest Achievement winner and a Special Citation for Social Responsibility are presented here. All of the winners, including the Silver Awards, can be found on our website at www.packagingdigest.com.

ESL asparagus vacuum-pack

While the traditional method of packaging fresh-cut asparagus for supermarket and grocery-store sales has been to bundle the spears for display and secure them with a rubber band, the **Cryovac Food Packaging Div. of Sealed Air Corp.** (www.sealedair.com) has a more sophisticated way to keep the green spears fresher longer. The results earned the Highest Achievement Award this year (1) as well as a Gold in Packaging Excellence, and is ranked as having contributed most to the advancement of the industry.

Cryovac says the produce marketplace is changing faster than you can say "arugula." Demand for fresh-cut fruits and vegetables is driving much of the category's growth. But these days, value-added produce isn't inexpensive, so there's a great need for high-performance packaging that can sustain the quality of a produce investment.

In development for about one year, the package includes a

rigid, premade black PP base tray thermoformed by **Mullinix Packages** (www.mullinixpackages.com) that can contain 8 oz of clean, fresh-cut asparagus that's vacuumized and skin-packed, which gives it a three-dimensional look.

The base tray can be vacuumized on several types of equipment, including **Multivac's** (www.multivac.com) T200 tabletop machine and the T350 production vacuum-skin rollstock system.

Southern Specialties, a Pompano Beach, FL grower/processor/importer of a wide range of fruits and vegetables, adopted the vacuum skin-pack about a year ago for asparagus.

The package is part of Cryovac's existing Simple Steps® microwaveable, self-venting technology (see PD, April 2006, p. 22), but employs a highly permeable, breathable skin film. Cryovac's Myra Hughes Foster, of new business development, says the film was created to ensure the proper shelf life for fresh-cut vegetables and improve the way asparagus can be prepared. Microwaving takes only two to four min, depending on the desired level of doneness). Thanks to the permeable, 3-mil

polyolefin skin film, the package can be displayed vertically for an attention-getting presentation. The vacuum-skin format conforms to the contours of the product, which boosts merchandising appeal.

Depending on produce quality and temperature control, produce in a Simple Steps package typically has a shelf life from 10 to 14 days—substantially longer than fresh asparagus packed Continued on page 20



mwv.com

Our integrated packaging platform not only enables us to develop innovative, market-focused solutions. It also delivers extensive opportunities for you to realize savings through process improvements.

We can streamline your supply chain. Increase speed to market. We can even design and implement systems changes that can lower your costs. All while improving on-shelf performance —and enhancing consumers' interaction with your brand.

Is the packaging the end,
or just the beginning?



MeadWestvaco is MWV.

INSIGHTS | INNOVATION | DESIGN | MATERIALS | PRIMARY & SECONDARY PACKAGING | SYSTEMS | SUPPORT

conventionally.

Foster says that while there's no modified atmosphere introduced into the package, the product passively modifies the environment via respiration. Oxygen permeates into the package and carbon dioxide (CO₂) is dissipated.

The tray-pack allows steam to cook the asparagus in the microwave yet stays cool to the touch when handling so it can be placed on the

dinner table. It also needs no venting. As it heats, the film expands, forming a bubble during heating, and then self-vents and relaxes over the produce. Foster says the package can withstand temperatures up to 212 deg F.

Totable backpack guards vaccines

A Special Citation for Social Responsibility (2) went to **Cold Pack System** (www.coldpacksystem.com), San

Diego, for a convertible, ecologically friendly package called the AirLiner, an inflatable container developed in part to ship valuable and/or delicate products. Also nabbing a Gold award in Packaging Excellence, the container has an insulating liner that converts the backpack, either with or without a separate, 200#- to 275#-test, corrugated shipping case, into a cooler. The technology allows vaccines to be more easily transported to individual,

remote villages.

Shelf life can be greatly impacted by temperature fluctuations. The AirLiner can protect perishables and improve product presentation, shelf life and quality. The nylon backpack holds the AirLiner, which is made from a proprietary laminate that utilizes heat. The heat barrier is both from the thermal conductivity of air or argon gas, which is used to inflate the AirLiner, and the low emissivity metallized films.

The patented technology incorporates layers of a reflective barrier film blend that's 1 mil in thickness (typically, an AirLiner will have one, three or five layers of this film depending on the desired thickness of the finished product, PD is told) sealed into a proprietary geometry with a honeycomb design that blocks heat transfer, keeping products hot or cold for long periods.

The film comprises an outer structure including a 3-mil nylon coextrusion with PE skin layers and inner films of metallized PE. **ISO Poly Films, Inc.** (www.isopoly.com) supplies the inner and outer film constructions. **Rol-Vac LP** (www.rolvac.com) vacuum-metallizes the inner-layer, low-emissivity films.

Available in 27 sizes and three thicknesses (3/4-, 1-, and 1 1/2-in.), the container is designated as an approved vaccine-transportation system and used by the World Health Organization (WHO), Switzerland.

David McKinney, vp of business development at Cold Pack, says WHO estimates that 30 percent of the vaccines bound for developing countries have diminished efficacy, due to poor cold-chain handling.

"The AirLiner works by controlling all three modes of heat transfer: conduction, convection and radiation," McKinney says. "The internal, metallized baffles control radiation using the low-emissivity films."



Never the same, but always perfect.

Each of our customers' flexible packaging is unique—but there is one common demand: to run perfectly on their machines. That's why our customers depend on us to meet their most stringent specifications, even when our competitors cannot. Our statistical process controls enable us to reduce process variation, and ensure our packaging meets your requirements, every time.

At AMGRAPH Packaging Inc., we've built our business on delivering high-quality, cost-effective flexible packaging that is always friendly to our earth.

- Offset, Gravure & Flexographic Printing
- Adhesive & Extrusion Lamination
- Film, Paper & Foil
- Cold Seal
- EB Lithographic Printing & EB Coating



Quality AMGRAPH printing can be found on any supermarket shelf.

Call AMGRAPH for the total package:
877-264-7279

AMGRAPH

Quality. Service. Sustainability.
Packaging for the Next Generation.



GOLD AWARDS

A pouch for sandwich bags?

It's true. An eye-catching, laminated header bag that replaces a paperboard carton and offers a tamper-evident perforation and easy-open features won Gold in Environmental/Sustainability Achievement for S.C. Johnson's Ziploc® brand of storage bags. Introduced in March 2008, the Bemis® Advance Pak Laminated

Rack Header Bag (3), from **Bemis Co.'s Polyethylene Packaging Div.** (www.bemis.com), took a gold in Environmental & Sustainability Achievement for eco-friendliness and attractive, 8-color reverse-process-printed graphics. Brilliant clarity and high gloss are also characteristics of the bagstock, which replaces a conventional paperboard carton for this kind of product. The bag is made of a stiff, proprietary film that provides durability. The header has a die-cut centered, hanger hole for rack-merchandising display, which allows the package to take up little room on store shelves.

Bemis will only describe the bagstock as being made of the same three-layer, high-clarity PE film lamination as the sandwich bags inside, so it is a monomaterial offering, which Bemis says only adds more green to the greener, lower-cost alternative to a mixed-film laminate. Reverse printing

protects the graphics and brand image from scuffing. The bag is sealed on four sides with two fine-weld seals and two fin seals.

Claimed to provide more package rigidity than most conventional PE films, the bag contains 25 sandwich bags. Its bold, reverse-flexo-printed process graphics replicate the Ziploc graphics found on the brand's paperboard cartons. Bemis says a truckload of the flexible packaging can equal up to 15 truckloads of paperboard material to pack the same amount of product.

Pouch made from pulp

The Hot N Handy Bio-Pouch (4), produced by **Robbie Mfg., Inc.** (www.robziemfg.com), is a more environmentally friendly take on Robbie's existing Hot N Handy structure. This version, developed to replace the rigid clamshells in the cold case at convenience-stores, is actually made from renewable wood-pulp.

The bag will degrade, says Robbie's product manager Tara Downing. According to its life-cycle analysis, using film-production data supplied by Franklin Associates, Ltd., comparing the new flexible pouch with hinged, rigid PS containers, the pouch uses 92 percent less crude oil, reduces CO₂ emissions by 56 percent and eliminates 75 percent of the packaging material

waste, by weight. The analysis is based on the production of 163 sandwiches annually for sales retail supermarket deli counters.

Equipped with a built-in gusset that allows it to accept various sandwich sizes, the pouch has a clear resealable adhesive strip for easy opening and a foldover reclosure flap to store leftovers. The pouch material is made using NatureFlex™ biodegradable, compostable film from **Innovia Films** (www.innoviafilms.com).

Taking a Gold in Packaging Excellence, the pouch is surface-printed flexographically with a random four-color repeat graphic indicating the biodegradable/compostable features. It can be custom-sized to fit any size sandwich. "Our initial offering consists of two stock sizes to fit six- and twelve-in. sub sandwiches," Downing adds.

Expert printing wins the chips

A zippered 10-oz standup pouch

for Ghirardelli's new 100-percent cacao baking chips (5) presents extremely sharp images and colors and clean text, courtesy of gravure printing. **American Packaging Corp.** (www.amppkcorp.com) grabbed the Gold in Printing Achievement for the



We Can Handle High-Volume

EASY
1-2-3

Your Packaging Handle & Application Solution

- Simple, good-looking handles designed for **consumer-friendly** secondary packaging
- Highly-efficient automated application equipment for a **processor-friendly** system
- All 100% readily recyclable #2 HDPE plastic handles marked with "Please Recycle"
- Low-waste, lightweight: designed for maximum performance
- Proven automation custom designed to meet rate and line configuration requirements
- Exceptional customer service and support
- Serving leading processors with winning Turn-Key solutions for 15 years and growing

PakTech®

We are the Handle People

For more information visit our website
www.paktech-opi.com or call 541.461.5000



luxurious artwork.

The mouth-watering design in a rich, blue, gold and chocolate color scheme and a detailed reproduction were printed in 8 colors with solvent-based inks on a PET/ink/adhesive/metallized PET/LLDPE bagstock, converted at American Packaging's plant in Columbus, WI. The material is printed on a **Cerutti** (www.cerutti.it) press and is laminated in-line on a Cerutti laminator.

The results have smoother solids, crisper images and improved aesthetics that are helping to separate Ghirardelli baking chips from the competition.

Truffle pack triumph

Also winning a Gold in Printing Achievement is the block-bottom bag for Kraft Foods' Canada's

Côte d'Or Truffé (individually wrapped milk chocolate truffles) from **Amcort Flexibles** [www.amcor.com] (6). Available in Austria, Switzerland and France, in this packaging, the premium truffles needed more glamour to jump-start their shelf presence. The side-guessed film/paper bag features both matte and glossy effects and glitzy foil hot stamping, a tactile feel from embossing under the foil-stamped "Truffé" and



"Spécialités" elements and a circular, 40-micron window glued on the inside that shows off the wrapped truffles inside.

Amcort produces and prints the bag at the Flexibles Schroeder & Wagner facility in Rinteln, Germany using (from the outside,) 20-micron OPP laminated to 80 gsm paper and the window film, a 40-micron OPP. Reverse-printed on a **Windmöller & Hölscher** (www.whcorp.com) gravure press in 9 colors. The bagstock receives an additional matte lacquer on the outside for extra scratch-resistance. Amcort uses a **Siegwerk** (www.siegwerk.com) VL TOB ink system and an additional curing process for both the matte lacquer and a paper laminate incorporated into the bag structure.

The front panel carries an image of an African elephant, a symbol of fine chocolate in Belgium, where the fine cocoa for the truffles is sourced.

EZO/reclosable deli pack

For Technical Innovation, another Gold winner for Cryovac makes it easy to open and reclose a thermoformed deli meat package repeatedly. The Cryovac® Multi-seal™ (7) works consistently, time after time. Cryovac's research shows that consumers want easy-open/reclosable packaging and believe that it keeps deli meat fresh. Answering their call, Multi-seal can be opened and resealed at least 10 times, Cryovac says, even through contamination smears.

In development approximately two years, the

"rollstock" package comprises a semi-rigid base tray, thermoformed of a proprietary material. It's mated with a peelable, 5.5-mil barrier-film top web, made by Cryovac of a proprietary material that can be flexo-printed in up to 10 process colors.

Says Tim Avery, marketing director of smoked and processed products, "The package can hold different amounts of product, based on the footprint and depth of the package that the customer wants."

A clear film viewing window is located on top and a removable tearstrip exposes a tab printed with "lift to open." The tab can be peeled back like a flap, providing full access to the product. The reclosable flap sticks to a portion of the lidding that remains affixed to the tray.

The base of the top web is sealed to the forming web with a lock-down sealant, Avery explains. "The sealant bonds the top web to the flange of the semi-rigid forming web so that this portion can't be easily pulled apart." The package can run on existing thermoforming equipment that evacuates and back-flushes the package to the desired atmosphere. Introduced in June 2008, this Gold winner in



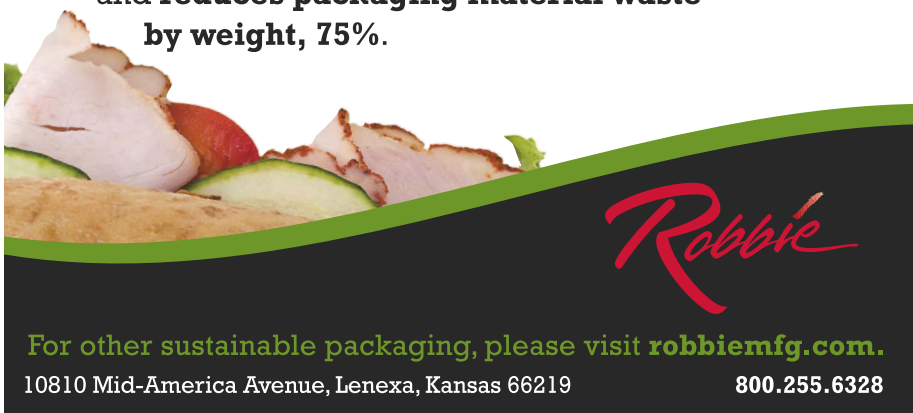
FRESHNESS IS SEALED IN NEW BIODEGRADABLE PACKAGING

Hot N Handy Bio-Pouch is a flexible package designed for consumers, giving them value-added features like increased freshness and a resealable adhesive.

The **Bio-Pouch**, made from renewable wood-pulp, is environmental friendly and will degrade "Back To Nature."



Bio-Pouch is the best sustainable solution for fresh-prepared sandwiches in the market. Compared to rigid polystyrene containers, the **Bio-Pouch** uses **92% less crude oil, reduces CO₂ emissions by 56%** and **reduces packaging material waste by weight, 75%.**



For other sustainable packaging, please visit robbiemfg.com.

10810 Mid-America Avenue, Lenexa, Kansas 66219

800.255.6328

Picture Perfect Labeling



For over 30 years LSI has been an industry leader through superior engineering resulting in continued reliability. Using components that meet or exceed operating parameters and factory testing using your products and labels results in maximum uptime and lower operating costs – and that's picture perfect labeling every time.

For exposure to the complete line of LSI Labelers call **201.405.0767** or visit www.labelingsystems.com

LSI Labeling Systems Inc.
32 Spruce Street • Oakland, NJ 07436

a division of Pro Mach

© 2008 Labeling Systems, Inc. All rights reserved.

Technical Innovation is currently in limited distribution. Expect to see a commercial launch in April 2009, Avery says.

Glitzy granola pouch

A standup pouch for Branli® Cruji Nola granola (8) from Productos Verde Valle, a Mexican processor/distributor of rice, beans and cereals, is available nationally in Mexican supermarkets. The new standup package makes the cereal easy to find

in stores and easy to store at home.

Converted by Printpack, Inc. (www.printpack.com) the 400-g zippered pouch presents an all-over vignette of almonds and yogurt-covered raisins floating over a bowl of granola

cereal. Bright, bold type calls attention to the cereal's brand identity.

Printpack produces and 8-color flexo-prints the laminated, three-layer pouchstock with a matte-finished PET outer print layer, a metallized BOPP inner layer (that provides a reflective backdrop for the graphics and adds moisture-resistance) and an LDPE sealant. A Zip-Pak (www.zippak.com) zipper is applied in-line during bagmaking. An unusual visual effect results with the combination of the metallics and the matte-finished PET. Printpack won a Gold award in Printing Achievement.

Gothic label for tanning bronzer

CL&D Graphics (www.cldgraphics.com) won Gold in Printing Achievement for a tanning product label that makes glamorous use of proprietary vacuum spot metallization techniques and what it calls micro/nano technology embossing applied to high-shrink film.

Sunrise, FL-based Performance Brands, Inc. came up with a dramatic bejeweled bottle (9) for Zeda Tanning's Dark Angel Revealingly Dark Bronzing Intensifier, a tanning-bed lotion that carries the premium shrink label designed with exotic, gothic allure. The purple, gold and black graphics depict illustrations of angels and dragons. The 10.1-oz bottle also has the "bling" of a jewel-topped closure for one



eye-popping presentation.

Metallized enhancements are *de rigueur* for CL&D, so Zeda features translucent water-based inks on a holographic foil/high-shrink PETG base substrate. The sleeve is flexo-printed in rollform in 9 colors plus a UV curing process on a Comco press from Mark Andy (www.markandy.com). One challenge CL&D faced was creating a label with enough oil- and fragrance-resistance to be compatible with the product.

More information is available:

Flexible Packaging Association, 410/694-0800. www.flexpack.org.

American Packaging Corp., 515/73-1407. www.amppackcorp.com.

Arcor Flexibles, 847/362-9000. www.amcor.com.

Bemis Co.'s Polyethylene Packaging Div., 812/460-6200. www.bemis.com.

CL&D Graphics, 262/569-4060. www.cldgraphics.com.

Cold Pack System, 858/775-7079. www.coldpacksystem.com.

Cryovac Food Packaging Div., Sealed Air Corp., 846/443-2000. www.sealedair.com.

Printpack, Inc., 404/460-7000. www.printpack.com.

Robbie Mfg., Inc., 913/492-3400. www.robbiemfg.com.

EVOLUTION SC

Small Character Ink Jet Printer or Continuous Ink Jet?



EVOLUTION SC

Lowest Cost. (less than 1/5 of a CIJ)
Lowest Cost per Code. (25% less than CIJ)
Smallest Footprint.
Easiest setup and ink changeover.
Integrated printhead and ink supply.
Safe environmentally friendly ink.
Virtually NO Maintenance required.

Continuous Ink Jet

Much higher capital expense.
Higher running & operating costs.
Needs more floor & line space.
More technical expertise required.
Separate ink & make-up solutions.
Hazardous ink & make up solvent.
Requires trained maintenance.

The Choice is Obvious !

See us at South Pack, Booth 2405.

For additional information go to www.evolutioninkjet.com or call us at 1-800-967-7746 for the name of your local distributor.

digital design. inc.
67 Sand Park Road
Cedar Grove, New Jersey 07009

inkjet
technology by  invent



Eve Yen, CEO and founder of Diamond Wipes Intl., immigrated from her native Taiwan in pursuit of a more well-rounded education for her daughter. Here, she founded a disposable wipes business that added more than 90 full-time jobs to the U.S. economy.

A clean finish

Entrepreneur realizes the American Dream by launching a wet-wipe manufacturing company, and it all began with **A SINGLE HF/F/S MACHINE.**

Linda Casey, Associate Editor

If you've ever eaten at an Outback Steakhouse, Tony Roma's or Applebee's restaurant, you might have used a hot towelette manufactured by Diamond Wipes Intl. (DWI).

The company was founded by CEO Eve Yen 15 years ago, when she immigrated from her native Taiwan to pursue a more comprehensive education for her eldest daughter, Vivian.

"Regardless of how other people criticize it, the American school system, when the parents and teachers are guiding the students correctly, teaches children how to think through a project," Yen remarks. "A lot of the kids also do charity work and community service, so they learn to be part of the society."

After arriving in the U.S., Yen noticed that the practice of offering hot towels or towelettes to restaurant diners at the end of their meals was absent from her dining experiences. This is a common offering by restaurants throughout Asia. After recognizing the need, Yen bought a single horizontal form/fill/seal machine and began making and selling microwaveable disposal towelettes for the foodservice and restaurant industries.

Originally housed in a 1,700-sq-ft facility

in El Monte, CA, the company's primary manufacturing facility now is located in Ontario, CA. The Ontario plant occupies more than 100,000 sq ft and produces over 1 million towelettes each

day for its own La Fresh brand, as well as towelettes sold to a number of private-label and contract-packaging customers. Today, DWI is providing a livelihood for more than just Yen's family. The

manufacturing facility contributes more than 90 full-time jobs to the American economy, and it also uses a temporary workforce of approximately 30 people who are employed based on manufacturing demands.

The company's offerings also have expanded. In addition to towelettes for the foodservice and restaurant industries, DWI manufactures a wide range of wet and dry wipes, delivering products as diverse as deodorants for both men and women, nail polish remover for women, sunscreens, shoe shine, insect repellent and electronic screen



FLEXIBLE

Vision-Guided Robotics (picking packaged & unpackaged items)
Case/Tray Packing
Complete Packaging Automation Systems

(804) 520-5400
www.blueprintautomation.com

Join us online to learn about our F³ commitment!

F³ FLEXIBLE



cleaner.

Travel as a muse

Many of these products are manufactured for DWI's sister company La Fresh Group, Inc., and were inspired by Yen's travels, which she blogs about on the La Fresh website (www.lafreshgroup.com). "My skin gets very dry when I'm flying, especially if I'm on a long-distance flight," she remarks. "That's why we created the lotion wipes. And the idea for makeup removal came to me when I was staying at a hotel."

In addition to their compact size, the wipes also contain less than 1 oz of liquid each so that they easily meet U.S. Department of Homeland Security Transportation Security Administration current guidelines for transporting liquids and gels in carry-on bags through security checkpoints.

A day's grooming packed for the ready

La Fresh's One Day Stay Travel

Yen used her own travel experiences for inspiration when developing the La Fresh travel kits.



Packets kit are designed for frequent travelers. Housed in a reusable PVC zipper bag, the kits are available in gender-specific combinations. The One Day Stay Travel Packets for Him contains shaving gel, anti-bacterial, shoe shine, lens cleaning and deodorant wipes in addition to a dental cleaning finger mitt. The One Day Stay Travel Packets for Her also includes a dental- cleaning finger

mitt, an antibacterial towelette and a deodorant wipe; it additionally contains wipes for general makeup removal, eye and lip makeup removal and application of a hydrating lotion.

The wipes for general makeup removal are manufactured and packaged using a Model SL-110 purchased from **Volpak USA** (www.volpak.com). Standard configurations of the SL-110 include simplex and

duplex versions, with output speeds reaching up to 180 pouches/min. Pouches are separated by slit or perforation, allowing operators to make a single, separated pouch or strips of up to 10 pouches. "The most popular request from our contract-packaging customers are single-use pouches that can be distributed as sampler packets, but Continued on page 26



MIRO™ high-speed digital cameras

When it's too fast to see and too important not to.

Miro 4

decrease dwell time
increase line speed
reduce scrap
identify the cause of jams

Capturing digital images up to **65X faster** than ordinary video cameras, the **Phantom Miro high-speed digital camera** sees the endplay, sticking, bending, bunching, twisting, tearing, dragging and binding **hidden** in every machine process.

With a Phantom Miro camera, you can **see in slow motion** what ordinary machine vision can't show you.

Make adjustments then review the **results immediately**. The Phantom Miro shows you if increasing throughput in one stage meshes flawlessly with the next stage, allowing you to **optimize the entire line** from end-to-end.

Visit our web site and see the new Miro
www.visionresearch.com/go/packaging

100 Dey Road, Wayne, NJ 07470, USA
P: 1.973.696.4500 TF: 1.800.RESOLUTION
E: phantom@visionresearch.com

VISION RESEARCH
An **AMETEK** Company



It's the only home we have.

WORKING TOWARDS A GREENER FUTURE



YOUR NATURAL SHRINK SLEEVE CHOICE

- *Shrink Sleeves made from the Renewable Resource of Plants*
- *Sustainable Ink Expertise*
- *Utilizing Compostable Materials*
- *Packstar is the Largest Provider of EarthFirst® PLA Shrink Sleeves in North America*



INNOVATOR IN HEAT-SHRINKABLE FILMS

—
ROTOGRAVURE PRINTING

—
HIGH QUALITY FLEXOGRAPHIC PRINTING
WITH UNPRECEDENTED RESOLUTION

—
AUTOMATIC SLEEVE APPLICATORS
AND SHRINK TUNNELS

—
UNPARALLELED QUALITY AND SERVICE

P A C K S T A R
Flexible Packaging

1.800.808.1688
www.packstargroup.com

requests for twin pouches with perforation (for wet/dry wipe application or shampoo/conditioner combos) options is increasingly more popular,” says DWI creative coordinator Moto Okawa.

The machine requires only one operator for all operations. The wipe material arrives at DWI in large rolls, which the company first folds then cuts into towelettes. The towelettes are folded again before being placed into the pouch material.

The SL-110 then folds the pouch material in half and seals the bottom. The hf/f/s machine then seals the sides of the pouch. The SL-110 piston-filling system then dispenses the liquid, cream or gels to the pouch material. The hf/f/s system then seals the top of the pouch, enclosing the liquid and wipe inside the pouch. To separate the pouches, the hf/f/s system either cuts or perforates the pouch from the web.

Finished pouches exit the SL-110 onto a simple, automatic belt conveyor that deposits the pouch into an inner shipper. The hf/f/s machine operator checks batches of the finished packages before they are sent out.

In addition to the Volpak SL-110, DWI also has three other hf/f/s machines, including a machine supplied by **Prodo-Pak Corp.** (www.prodo-pak.com), which is pictured below.



The Ontario, CA, plant occupies more than 100,000 sq ft and produces over 1 million towelettes/day for its own La Fresh brand of wipes, as well as towelettes sold to private-label and contract-packaging customers.

Set for growth

DWI has added another factory in Bucyrus, OH, to accommodate growth in its private-labeling and contract-packaging services. According to Yen, DWI could handle up to 30 percent more work without making further investments.

More information is available:

Prodo-Pak Corp., 973/777-7770.

www.prodo-pak.com.

Volpak USA, 804/794-6688. www.volpak.com.

This hf/f/s machine is one of four machines DWI uses to form single and twin pouches, then dispense liquids onto towelette carrier material. These machines then seal the pouches and perforate or cut them from the web.



sustainability



A toothbrush currently in stores comes in a clamshell with an optimistic label that reads, “recyclable packaging materials.” Unfortunately, the majority of the material in the package is not currently collected in most communities, reducing this to a misleading claim. Inaccurate claims such as this abound in the marketplace. However, most aren’t intentional and many are sincere efforts to try to promote recycling. So why is it so hard to communicate to consumers about recycling?

Communicating the recycling message is harder than it seems

Recycling starts at the local level. The reach of collection infrastructure (how many households have access and the type, curbside, dropoff, single-stream, three-bin), is determined and paid for by municipal and local governments.

Predictably, there is a tremendous amount of variation from locality to locality. The lack of harmonization in the collection system poses a significant challenge to developing a consumer label that is relevant for all localities and materials.

Compounding this is the fact that a recyclability claim, like “Please Recycle,” should only be made

if a “substantial majority” of people have access to recycling for that type of package, according to the Federal Trade Commission. Yet determining this is exceptionally difficult, as there is no national or harmonized source for recycling “reach” data in order to substantiate recyclability claims. While some industry associations do collect data, it’s limited to selected materials or forms and is not comprehensive. As a consequence, many companies find it difficult to use the most basic and well-intentioned claim of, “Please Recycle.” So, what can we tell consumers about the recyclability of a package? In the U.K., the

Waste and Resources Action Programme (WRAP), in partnership with retailers like Marks & Spencer and ASDA, provides a model. Its program elements include:

- A label with instructions broken down into three categories—“widely recycled,” “check local recycling” and “currently nonrecyclable.”
- A data-collection effort to validate the three label categories for all materials.
- A website with a search of local recycling

facilities by material and postal code to support the “check local recycling” claim.

The label addresses the underlying variability in collection schemes and can be applicable to all materials. The Sustainable Packaging Coalition’s Labeling Project helps provide meaningful consumer guidance on what to do with a package after its useful life. After reviewing labels and collections systems from around the world, we have focused on recycling and are working to design a label that draws on the successful elements of the WRAP model. Our goal is to offer consistent messaging to encourage participation and to incentivize better infrastructure. We’ll introduce our concept this spring and invite review and testing. And, GreenBlue and the SPC have initiated some conversations about how to start a national campaign to collect better recycling data that would be made available publicly and be used to substantiate recyclability claims. We’re seeking partners willing to help make this aspiration a reality.

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

ESSENTIAL TO LIFE.



MARCH 17-19, 2009
JACOB K. JAVITS CONVENTION CENTER
NEW YORK, NY

The Life Sciences industry is changing at a rapid pace. Advancements in technology, biologics, and medical devices continue to redefine the parameters of our industry.

To succeed in this ever-changing, ever-expanding global marketplace, it’s absolutely essential to keep up with the latest developments, interact with your peers, and learn from industry thought-leaders.

For 30 years, INTERPHEX has been a beacon for the industry, the platform from which the industry grows and builds and where new innovations are introduced.

This year INTERPHEX is back in New York and co-locating with BIOTECHNICA America. And, like our industry, it has evolved to embrace all the latest advancements in Life Sciences manufacturing—from pharmaceuticals to biologics to medical devices to new technologies.

With the continued expansion and globalization of our industry, INTERPHEX is more essential than ever to your success. Be a part of this year’s industry gathering in New York.

Register now to be a part of INTERPHEX2009. Visit www.interphex.com for FREE show admission, or call 1.888.334.8704.



ASIA	USA	CANADA	CHINA	INDIA
JAPAN	MEXICO	PUERTO RICO	UK	



Now’s the time to register for INTERPHEX!
Visit www.interphex.com now for FREE show admission.
Questions? Call 1.888.334.8704.

Sponsored by:



Media Sponsors:

PHARMACEUTICAL
ENGINEERING

Pharmaceutical
processing

Pharmaceutical
Technology

Featuring co-located with:



Media Supporter:

PACKAGING
DIGEST

Produced and managed by:





Checkweigher balances scale for cheese packs

Tillamook County Creamery Assn. **MORE ACCURATELY VERIFIES** packaged cheese with a new, highly accurate checkweigher.

For nearly a century, Tillamook County Creamery Assn. (TCCA), Tillamook, OR, has delivered farm-fresh dairy products with all-natural ingredients—a combination that, along with the company's operations and community service, has resulted in numerous awards from industry publications and organizations. For customers, flavor is key, and it's all about TCCA's hands-on approach. "We age all our cheese in-house, including our medium cheddar, which is aged more than 60 days to ensure optimum flavor," says Tim Tomlinson, packaging manager for TCCA. "That ensures it's very high-quality."

Automated weighing system

TCCA is a farmer-owned cooperative that includes approximately 120 dairy families throughout the country. The co-op offers a variety of cheeses in a broad range of sizes—from 5-lb blocks to ¾-oz portions for on-the-go treats. Affirming

that each of these products weighs the correct amount—in order to confirm correct product quantity and pricing—is an important part of the process.

"We have an automated system that weighs packages as they are transferred down a conveyor and directs the packages as needed, but we have to confirm that these weights are correct on a regular basis," Tomlinson says.

After a large block of cheese has been properly aged, a series of wires cuts it into smaller loaves. An in-line checkweigher then verifies that each loaf weighs the correct amount, within a defined tolerance before packaging. If a loaf is above or below this tolerance, a static checkweigher determines how far off the loaf is from the desired weight. "To meet weight standards and regulations, we use this static checkweigher to verify package weights about every 15 seconds," Tomlinson says. "For this, we needed to replace our previous stand-alone checkweigher with



The stand-alone checkweigher's display is highly visible and is customized for simple, efficient visual weight confirmation and/or corrections if needed. If the checkweigher finds that a loaf is underweight or overweight, it displays how much cheese must be added or removed to meet weight requirements.



If an in-line checkweigher rejects a loaf of cheese as being too light or too heavy, Tillamook uses this standalone checkweigher to determine how far off the loaf is from the desired weight.

an upgraded selection.”

Customized software

TCCA chose the E1310 programmable-weight indicator for checkweighing from **Avery Weigh-Tronix** (www.wtxweb.com), which offers a stainless-steel construction and a National Electrical Mfg. Assn. (NEMA) 6/4X rating to withstand harsh washdown environments. “Stainless steel is necessary, since the equipment we use needs to be food-grade,” Tomlinson says. “We’ve been happy with its accuracy.”

The E1310 checkweigher provides National Type Evaluation Program

We can communicate recorded weights to our computers, so we can download all the collected data.

(NTEP) Class III legal-for-trade weighing with sealed, stainless-steel loadcells and 500 percent overload protection. Its display is highly visible and is customized for simple, efficient visual weight confirmation and/or corrections if needed. If the E1310 checkweigher finds that a loaf is underweight or overweight, it displays how much cheese must be added or removed to meet weight requirements.

“The Avery Weigh-Tronix checkweigher sits on the side of our packaging line, so that we can manually check the calibration of our high-speed weighing operations,” Tomlinson says. “And we can communicate recorded weights to our computers, so we can download all the collected data, which is really nice.”

Customizable serial output

Along with accurate weighing, the E1310 checkweigher offers fully customizable serial output, including three outputs for controlling external devices. It additionally provides three inputs for remote print, pushbutton tare and other functions, offering TCCA the flexibility to upgrade its current processes for future applications.

“Right now, we’re basically using it for visual confirmation of our package weights, but if we automate our backup weighing in the future as planned, we’ll be using the checkweigher to its full capacity,” Tomlinson says.

The rugged construction and reliable operation has made this checkweigher package an effective solution for TCCA, helping them

produce and distribute premium-quality cheeses with local flavor efficiently and accurately. “We were looking for a good replacement, and the E1310 checkweigher is living up to it,” Tomlinson says.

More information is available:

**Avery Weigh-Tronix, 507/238-4461.
www.wtxweb.com.**

one team delivers everything you need in a continuous inkjet printer ■ ■ ■



9000 Series continuous inkjet printer

you'll never be at a loss for words with Markem-Image technology.

9000 Series continuous inkjet printers handle all of your needs, from best before dates and logos to alphanumeric text and 1D and 2D barcodes.

- Automatic jet speed control for guaranteed print quality
- Intuitive icon based user interface
- Quick changeover of consumables without stopping printing operations
- Patented, automatic nozzle rinsing ensures trouble-free start up



markem·image

the team to trust ■ ■ ■

A **DOVER** Company

Visit www.markem-image.com/9000
or contact us at 866.263.4644



Finally: Toothpaste in a clear tube

Lauren R. Hartman, Senior Editor

A new ultraviolet light barrier film developed by **Sealed Air Corp.** (www.sealedair.com) is the key component in what's believed to be the first transparent toothpaste tube available on the market.

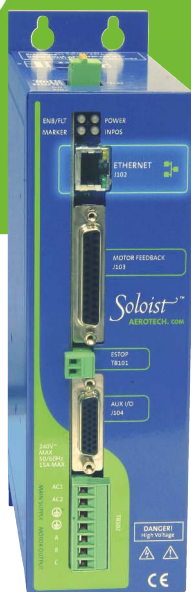
The new tube for Colgate-Palmolive Co.'s Max Fresh® fluoride toothpaste, which is infused with mini, dissolvable mouthwash beads, is available at a number of retailers nationally. Launched

as an extension of the Max Fresh brand, the oral care product teams clear toothpaste gel and mouthwash to enhance the toothpaste's ability to freshen breath. The Max Fresh tube comes in a dazzling, metallic paperboard outer carton that's die-cut with a viewing window that displays the product through the clear tube on store shelves.

Colgate-Palmolive's first-of-its-kind transparent toothpaste tube shows off its new Max Fresh® gel with its exclusive "mouthwash beads," which may not have been possible without the development of a **NEW ULTRAVIOLET LIGHT BARRIER FILM** that protects the ingredients and the toothpaste color.

Soloist™

SINGLE AXIS SERVO CONTROLLER



**Typical
packaging
application**

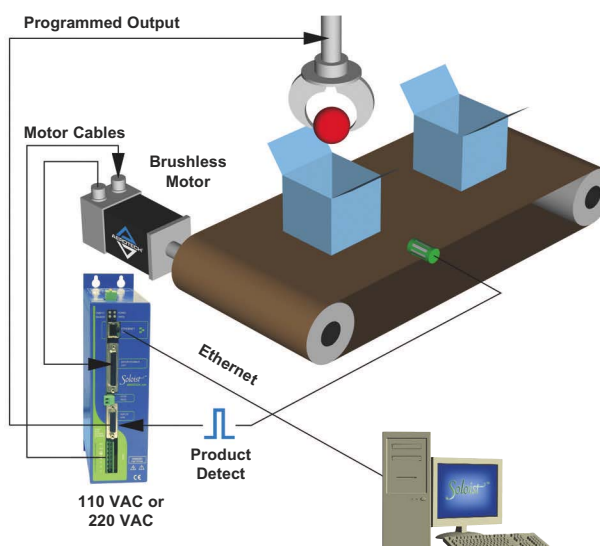
Program Example

```
WHILE DIN(0,2) = 1
  WHILE DIN(0,1) = 0
    FREERUN F10
  WEND
  ABORT
  DOUT 0,1:1
  MOVEINC D100 F10
WEND

'POWER ON
'WAIT FOR INPUT
'FREERUN @ FEEDRATE

'STOP
'DROP PART
'INDEX PAST BOX
```

Aerotech's Soloist™ single-axis digital servo controller combines advanced software architecture (C#, VB.Net, C++, and LabVIEW®) with a power supply, an amplifier, and a position controller in a single package. The flexibility and scalability of the Soloist™ make it the ideal controller for both small and large applications on the production floor and in laboratory applications. Contact an Aerotech Application Engineer to learn more about the Soloist™ and Aerotech's other motion control and positioning solutions.



Get your free
**AUTOMATION
CONTROL SOLUTIONS**
brochure at:



www.aerotech.com



*Dedicated to the
Science of Motion*

Aerotech, Inc., 101 Zeta Drive, Pittsburgh, PA 15238 USA
Ph: +1-412-963-7470 • Fax: +1-412-963-7459
Email: sales@aerotech.com

Colgate-Palmolive hopes that its latest Max Fresh product, which comes in Minty Wave (green gel) and Mint Burst (blue gel) flavors, will boost sales and make consumers beam with a toothy smile.

A strong performer

The brand has been a strong performer in the fresh-breath market segment overall. Toothpaste sales rose just 2.8 percent last year, but sales in the fresh-breath subsegment jumped 8.5 percent, according to AC Nielsen.

Colgate-Palmolive's CEO Ian Cook said recently that the company is comfortable with profit expectations for its business this

Two key benefits of the film are that consumers can see the tube's contents and they can easily tell how much product remains.

year, despite a souring economy, because consumers still need basic staples such as toothpaste. Available at retailers nationwide since August, the one-piece tube comes in a 6-oz size. The clear tube body meets a translucent shoulder that's embossed on opposing sides with the Colgate name, and is topped with a white flip-top cap (the caps are stamped with the Zeller Plastik [www.zellerplastik.com] logo). While clear tube structures have been available for decades for other types of products, producing this one for toothpaste wasn't as simple as the packaging might suggest.

Sealed Air's development of the proprietary, coextruded, multilayer film coincided with Colgate-Palmolive's national launch of

MaxFresh with Mouthwash Beads, as an extension of the brand. The film not only shows off the product, but helps protect the ingredients that give the toothpaste its color.

If not for the development of the barrier film, the toothpaste's color could fade in the presence of UV light, moisture and oxygen, explains Sealed Air. While it can be produced in a variety of gauges, the film

structure for the finished tube is 275 microns thick (approximately 10.8 mils).

"Patents are pending for our inventions related to this development," says Joe Ramirez, Sealed Air's manager of new business development. "Two key benefits of the film are that consumers can see the tube's contents and they can easily tell how much product

remains." The film structure is quite complex, Ramirez adds. "But any time we can take something new to the marketplace while giving consumers a new benefit, it's groundbreaking."

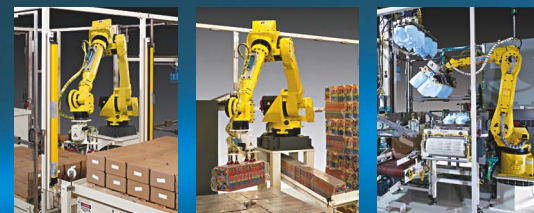
Clearly a long time coming

Colgate-Palmolive says it has been interested in a clear toothpaste tube Continued on page 32

**With versatility
at the top
of your list...**



**you need a machine
that can handle anything.**



In today's economy, everyone is always thinking about ways to save time and money. With the Robox from Schneider, you can do just that. The compact footprint with plug and play design can be installed and running production in just a few hours.

The Robox Vi is the latest in vision-guided robotic solution and gives you the flexibility to pack just about anything in standard and open top corrugated cases.

Robox - designed for flexibility, efficiency and portability.
Visit us online or call today for more information.

**Robotic Case Packers, Tray Packers & Palletizing...
We've Automated Everything.**

Schneider
Packaging Equipment Co., Inc.



P.O. Box 890 • 5370 Guy Young Road • Brewerton, NY 13029
315.676.3035 • fax 315.676.2875 • email: info@schneiderequip.com

www.schneiderequip.com



for about a decade. "Colgate had a challenge and asked us to help create something new to North America: A clear toothpaste tube with a UV light barrier," says Ramirez. "There are a couple of reasons why a film like this hasn't been available before. Traditionally, techniques employed to block or absorb UV light can make a flexible film hazy and unstable. The ingredients used to give toothpaste its colors can fade over time because of UV light. This film prevents the UV light from penetrating the tube and causing the product color to fade. If it was easy to come up with, [it would have been done before]. But seriously, there's a delicate balance between blocking enough UV light and producing a film that can withstand the abuse a toothpaste tube encounters."

Time to buy more

The obvious benefit of the clear tube, he says, is that consumers can see the contents and can easily tell how much product remains in the tube. This is a real convenience over opaque tubes because the consumer knows immediately when it's time buy more toothpaste. The mouthwash micro beads are also clearly visible.

"Our engineers overcame the hurdles to develop a film formula that also gives great tube performance, including feel and clarity," Ramirez points out. "We are excited about this

There's a delicate balance between blocking enough UV light and producing a film that can withstand the abuse a toothpaste tube encounters.

groundbreaking film, which we feel could change the face of oral care packaging."

PD is told that Colgate-Palmolive converts the printed film rollstock into tubes at its own manufacturing locations, and fills and ships them for distribution.

Along with toothpaste, the new, clear, multilayer film can be provided in several gauges for a variety of other applications such as creams, lotions and even food products—wherever UV light barrier protection is important for package formats other than a tube, such as a pouch, a sachet or lidding material.

Currently, however, Colgate-Palmolive is the only user of the film, Ramirez says. Sealed Air is

hoping that will change soon, though the jury's out as to when.

Still need to brush

Colgate-Palmolive's clearly smiling. Its reported worldwide toothpaste market share hit a record 44.48 percent last year, while its toothbrush share exceeded 20 percent, spurred by new products and gains in the U.S. Mexico and China, according to a report in January by *Market Watch*.

Selling its products in some 200 countries, the company seems to be side-stepping the economic slowdown. In the January report, Cook said that lower oil prices, product-price increases and more cost cuts should boost Colgate-Palmolive's gross profit margin in 2009.

In the fourth quarter of 2008, the company also disclosed that its net income rose by 20 percent to \$497 million bolstered by the debut of new toothbrushes and toothpastes, the latter including MaxFresh with mouthwash beads.

More information is available:

Sealed Air Corp., 800/845-3456.

www.sealedair.com.

Zeller Plastik, 847/247-7900.

www.zellerplastik.com.



The Next Generation Electronic Platform

- Easy access to connections
- Easy to assemble & install
- Easy to commission
- Easy to maintain

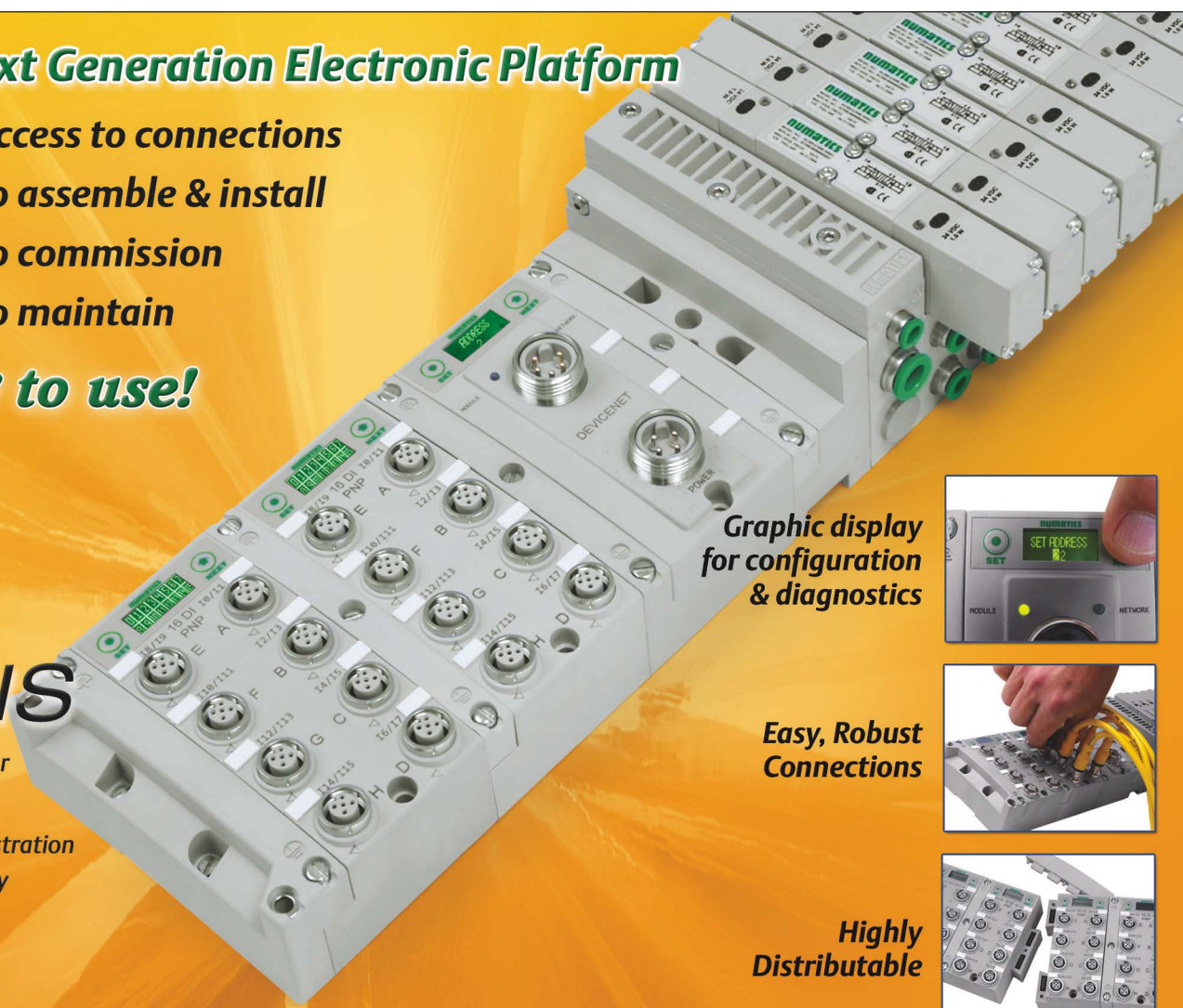
Easy to use!

G3 Fieldbus

You need the robust leading edge technology that meets your applications needs, and facilitates your processes.

Visit www.numatics.com/G3 for an online demonstration of this easy to apply and use innovative electronic technology from Numatics.

Or call **1-888-Numatic (1-888-686-2842)** for additional information.



Graphic display for configuration & diagnostics



Easy, Robust Connections



Highly Distributable



numatics®

Decorative dispensing

Clorox launches a new disinfecting wipes canister and a chance for **CONSUMERS TO DESIGN NEW GRAPHICS.**

A quick and easy way to disinfect anytime, anywhere, Clorox® Disinfecting Wipes from the Clorox Co., Oakland, CA, now come in a range of decorator canisters made to complement any home's decor.

The new Clorox Décor canister changes the idea of hiding cleaning products under the sink into a display opportunity. The new line of cleaning wipes, introduced in February, comes in eight designs that combine form, fashion and function to put cleaning within reach.

"When we put the task to the design team, we asked why can't cleaning be easy—and easy on the eyes?" says Lisa Partnoy, marketing manager, Clorox Disinfecting Wipes. "The new Décor line reinvents disinfecting, enabling you to say goodbye to messes with style."

But the new wipes are more than just a pretty face. In addition to redesigned packaging—from the sleek shape and wide mouth of the canister to the modern feel of the graphics on the outside, the Clorox wipes team also created an effortless single-sheet dispensing

system that makes cleaning as simple as flip, pull and wipe. Containing 60 Lemon or Fresh wipes, each glossy, two-piece opaque white PP container has a flip-top, snap-fitting, hinged lid that opens to reveal the wipes and a wraparound label printed in one of several colorful designs.

Stylish enough for display, the new wipes canisters are an easy, inexpensive way to update a room. They're priced at \$4.64 a canister in Chicago-area stores.

Redesign competition

Clorox also announces its sponsorship of a "Redesign Clean" contest, in which design enthusiasts can try their hand at inspiring a future round of canister designs. Through March 15, 2009, they can submit original designs at www.redesignclean.com. Says Partnoy, "We want the entrants to have as much fun creating their own canister design as we did making disinfecting stylish with the new Décor packaging."

Finalists will be listed on www.redesignclean.com, where consumers can also vote to determine winners.

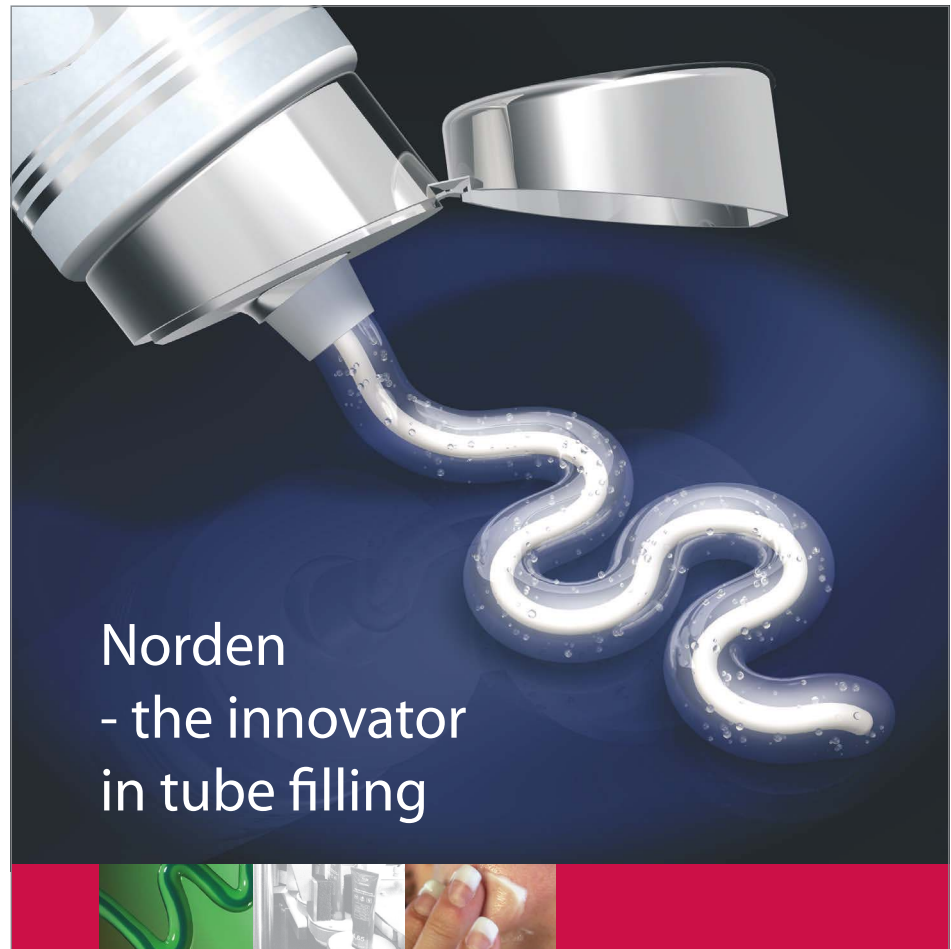


Last year, Avomex/Fresherized Foods, the largest producer of guacamole and avocado products in North America, saved **\$257,000.00** by switching from pre-print to a Generic Case Printing Program and a Case Printing System from Iconotech. Their projected savings over five years will amount to **\$1,892,000.00**.

Go to www.iconotech.com to download a free copy of the Avomex Story and see how they did it. This information could save your budget next year.



www.iconotech.com 800.521.0194



Norden
- the innovator
in tube filling

Norden offers multi product filling and sealing technology for new and existing tube fillers. For further information, please contact Norden.

Sirius Machinery Inc. 230 Industrial Parkway Branchburg, NJ 08876
Phone: 908 707 8008 Fax: 908 707 0073 info@siriusmachinery.com
www.nordenmachinery.se





Film is pulled through the labeler unwind system, left, which ensures that the film-delivery system located inside the machine has a constant supply of film that is not under tension. After the film is cut, the label is pushed down onto the container by the film-application rollers located at the base of the mandrel, right.

Shrink-sleeve labels shine

A NEW PACKAGING LINE AT ENVIROCON runs dishwasher-detergent additive in a standout container.

Jack Mans, Plant Operations Editor

Envirocon Technologies, Inc. was founded in 1994 in Midland, TX to produce Lemi Shine®, a dishwasher-detergent additive that works with conventional detergents to remove tough hard-water spots and film from glassware and even dishwashers. The product had always been

packaged in a straight-sided bottle with a screw cap, but “the package just never stood out on the shelf, even though the product has always been a success,” says CEO Curtis Eggemeyer.

In August 2007, Envirocon introduced a new, ergonomic container for Lemi Shine that includes a dispensing closure with a flip-top cap that makes dispensing the product easier, a curved bottle

that makes one-handed use possible and a total-coverage shrink-sleeve label. “This new container with the spectacular label really gets noticed,” says Eggemeyer.

The HDPE bottle is supplied by **CKS Packaging, Inc.** (www.ckspackaging.com) and the dispensing closures are supplied by **Phoenix Closures** (www.phoenixclosures.com). Berlin

Apply Labels Fast and Accurately with an AP-Series Label Applicator



- » Quick set-up and easy operation
- » Up to 1200 containers per hour
- » AP360 one label per container
- » AP362 two labels per container

Online video at
www.primeralabel.com/APvideo

PRIMERA
TECHNOLOGY, INC.

1-800-797-2772
www.primeralabel.com

We Support Global Thermoforming

[A greener way of looking at packaging solutions.]



With a global focus on the **environment, sustainability, and renewable energy**, Plastic Ingenuity is once again setting the standard in the thermoforming industry. Our green initiatives include unique ideas and technological advancements that result in environmentally-friendly packaging, all while operating our manufacturing facilities in efficient and responsible manners.

GREEN INGENUITY:

- PLA Material • Pulp Thermoforming • 1% of our energy from solar panels
- Reusing or selling 99% of our scrap plastic • Use captured heat from thermoforming

Plastic Ingenuity
thermoforming your vision
www.plasticingenuity.com/greeningenuity.php

©2009 Plastic Ingenuity
All Rights Reserved • 608.798.3071

TOP VIEW



An auger meters detergent into 12 funnels that deliver the product into containers traveling on the rotary turntable.

Packaging (www.berlinpack.com) is the distributor for the both bottles and closures. The labels, which were designed by **Fresh Ink** (www.haveamission.com), are supplied by **Seal-It, A Div. of Printpack, Inc.** (www.printpack.com), and are made from maximum-shrink PVC and are nine-color rotogravure-printed. "Achieving the bright yellow color of the label was a challenge," says Eggemeyer. "Printpack worked with our art department to create a proof that met our requirements."

Shrink-sleeve labeler

Envirocon built a new plant at its headquarters in Midland and installed a new packaging line to run the new container. With shelf presence and bottle appearance being the essential purpose of the new package design, the key equipment component of the line is a Model 300SL EZ-Seal shrink-sleeve labeler from **Axon Corp.** (www.axoncorp.com).

"This was an ideal machine for us," says Eggemeyer. "It's a very simple machine to operate and has a small footprint, so it fits into our operation. The machine works flawlessly, and Axon's service people have

been outstanding. They helped us start it up, and other than that, it runs perfectly." A feedscrew meters the containers into the labeler.

The film is pulled up by idler rollers mounted above the film rolls that provide a consistent film path between the two film reels and the film-unwind system. This allows the film path and tension to be identical for both film-roll locations.

The film then travels through the

unwind system, which ensures that the film-delivery system located inside the machine has a constant supply of film that is not under tension. This helps to minimize slippage during film feeding and ensures accurate film-cut lengths. The film travels down through a film-dancer system, where it is looped through a film weight on a slide. As the machine advances the film, the weight is pulled upward, triggering a sensor that alerts

the unwind to pull more film off of the roll and into the dancer system, causing the weight to drop. When the weight drops below the sensor, the unwind stops feeding film.

Next, the film travels into the sleeve-application chamber, where it passes through a series of guide rollers and is then pulled over the mandrel that opens the tubular film. In this operation, two stepper-driven rollers

Continued on page 36

What's *In* For Active Packaging?

Multisorb's *Drop-In, Fit-In, Build-In*
Sorbent Solutions for Atmospheric Control.



Smarter Solutions

From healthcare to food and beverage to high-tech electronics, we have you covered. Multisorb products and dispensing systems add greater reliability to your products and processes. Innovation, intensive R&D, dedicated partnerships and an incredible array of capabilities, combined with our systems approach, add up to dependable solutions... for product stability, shelf life, color, freshness, flavor, odor, corrosion or any other challenge to product integrity affected by moisture, oxygen or other volatiles.

+1 716.824.8900
www.multisorb.com



MULTISORB
Technologies

See us at Interpex 2009, Booth #431, New York, NY USA



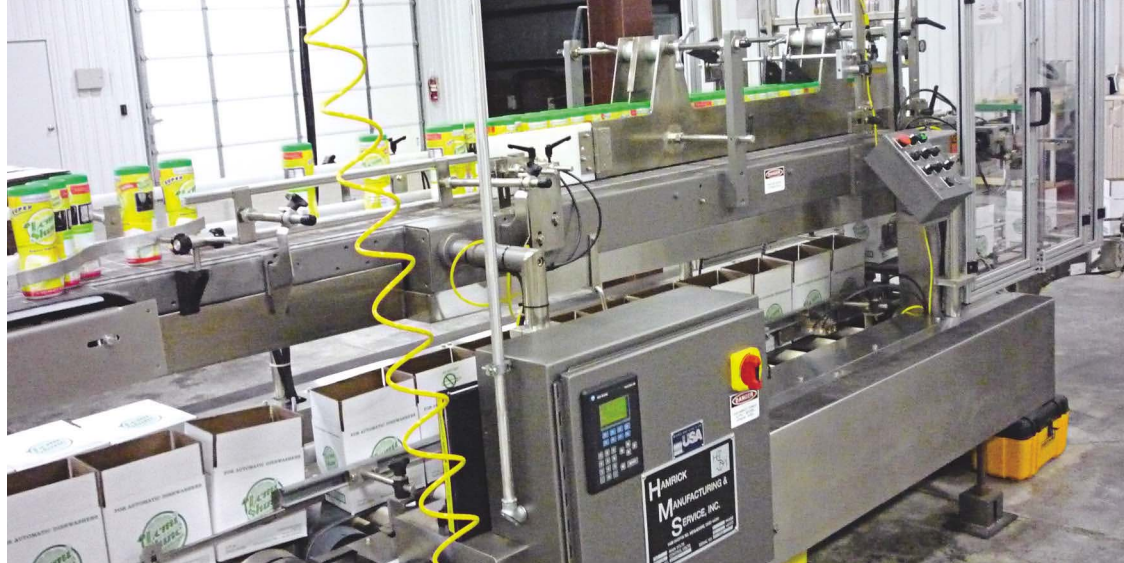
work in conjunction with the print-registration system to ensure that the correct length of film is advanced. The print-registration, which utilizes a fiberoptic system from **Keyence Corp. of America** (www.keyence.com), is located at the top of the film mandrel and includes both vertical and horizontal adjustments. When a detection photoeye senses the container, multiple blades located around the mandrel cut the film, which is then advanced down the mandrel by the following label. Finally, the cut sleeve is pushed down onto the container by the film-application rollers located at the base of the mandrel.

Rotary dry-product filler

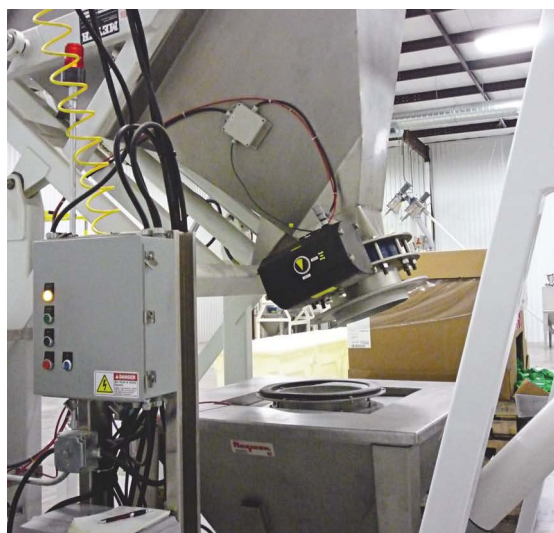
The bottling operation starts with an Omni-Line 350 bottle unscrambler/orienter from **Pace Packaging Corp.** (www.pacepkg.com). The bottles are dumped into the hopper, which orients them so they all have the bottom ends leading as they discharge into a standup position on a lower conveyor that transports them to the filler.

The dry detergent is delivered to the filler in a 1,200-lb plastic bin, and a bulk dumper from **Meyer Machine Co.** (www.meyer-industries.com) lifts the bin and dumps the product into the floor hopper of a flexible inclined screw conveyor from **Flexicon Corp.** (www.flexicon.com). The product flows out of the floor hopper into the screw conveyor, and the loosely fitting, rotating flexible screw within the tube transports the product up to the top, where it discharges through a chute into the filler hopper. A level control in the hopper controls infeed to maintain a consistent level.

Twelve funnels are mounted around the top of the rotating filler turret and the dry powder discharges from the hopper into an auger that discharges the powder into the funnels as they pass beneath it. Bottles from the unscrambler are conveyed to the



When the correct number of bottles have accumulated, the empty case is lifted and a plate retracts to allow the bottles to drop into the case, top. Product is delivered to the filler in a bulk bin, bottom left, and is then lifted into the filler hopper by a flexible screw conveyor, bottom right.



OAKLEE



PVC Tubing
Cut Bands
Die Cuts
Flat Film
Labels
PETG Film
Preforms
Rigid Film
Roll Stock
Tri Bags

The Choice For Preforms and Plastic Containers

Oaklee preforms provide a secure, tamper-evident band for hard-to-seal and small production run containers.

With an inventory of over 200 preform molds, in a wide array of sizes and shapes, we can accommodate your packaging needs using clear, custom colors or custom printed film. Oaklee preforms are made in the USA and are available for a fast turnaround delivery.

Oaklee also manufactures plastic containers in a wide range of shapes and sizes. Plastic containers will be manufactured alone or in combination with your preforms. Whatever suits your packaging needs. Put the Oaklee team to work for you.

Oaklee International, Inc.

www.oaklee.com | service@oaklee.com | 800-333-7250

WRAP IT • PACK IT • STACK IT

Maximize your production with **CAMPAK** and handle any size job no matter what the packaging process. Integrate two or more of our machines into a complete, high-speed packaging line delivering the lowest possible cost-per-finished-package!

- Blister Packers
- Liquid/Powder Filling & Capping
- Cartoners
- Overwrappers
- Tray Forming/Filling
- Casepackers
- Palletizers
- Bundlers/Shrinkwrapping



www.campak.com

Contact us today:
Tel: 973-597-1414
Fax: 973-992-4713
Info@campak.com



CAMPAK INC.
119 Naylon Avenue
Livingston, NJ
07039

12-head rotary filler from **All-Fill, Inc.** (www.all-fill.com). A sensor monitors containers on the conveyor to the filler, and shuts the machine off if no containers are present. As the containers enter the filler, they engage sealing pads on the bottoms of the funnels that create a tight seal for dust control. The funnels travel synchronously above the containers as the turret rotates.

The proper weight of product in a container is achieved by coordinating the respective rotating speeds of the turret and the auger. The conveyor continues past the front of the filler and picks up the filled cans as they discharge.

All-Fill installed a dust shroud connected to a vacuum source at the top of the rotating turret to remove dust. "The All-Fill filler is a phenomenal machine," says Eggemeyer. "It's easy to operate and we've had absolutely no problems. It's very precise. We maintain a variance of less than 0.1 oz."

Capping system

After filling, the bottles travel to the capping operation. The first step is a glue applicator from **Dillin Capping Systems** ([capper www.dillin.net](http://capper.dillin.net)) that applies a film of cold adhesive to the top surface of the container finishes so that a sheet liner in the cap will adhere to the finish.

Next the bottles travel through a rebuilt capping system from **Change Parts, Inc.** (www.changeparts.com). This starts with a vertical rotating cap prefeeder that orients the caps with the tops all facing in the same direction. The caps travel down a chute and are picked from the bottom of the chute by a rotating four-station table. The table carries the caps to a four-head rotary capper, where the heads pick up the caps and apply them to the containers traveling on a table beneath them.

Bottles enter and leave the capper through starwheels. **E-Pak Machinery** (www.epakmachinery.com) sourced all of the packaging components and integrated the packaging operation. It also supplied a floor hopper and elevator to deliver caps to the prefeeder.

Case packing

The capped containers travel through the labeling operation described previously and then convey to a case-packing operation. Cases are erected by a Model XRT450 case erector from **Trinamics, Inc.** (www.trinamics.com). The erectors can be supplied with either a hot-

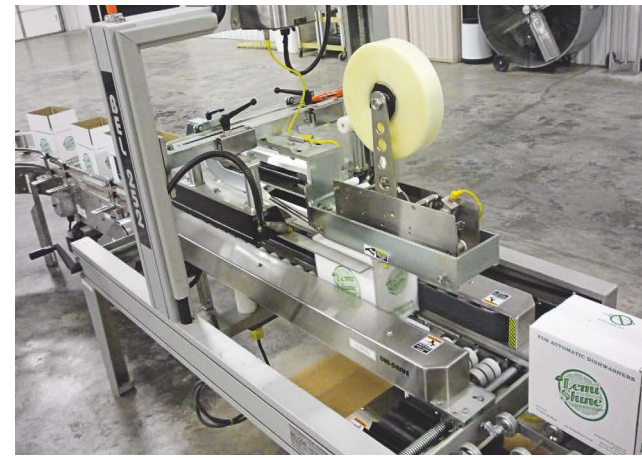
melt glue system from **Nordson Corp.** (www.nordson.com) or a pressure-sensitive tape sealing system from **Dekka Industries, Inc.** (www.dekkaindustries.com). The unit at Envirocon uses the tape-sealing system. Other components include pneumatic valves, vacuum generators and cylinders from **Festo Corp.** (www.festo.com/us) and Allen Bradley MicroLogix® PLC controls from **Rockwell Corp**

Filled cases are delivered to a top-taping machine that seals the cases.

(www.rockwell.com).

The containers are then packed by a Model 300E case packer from **Hamrick Mfg. & Services, Inc.** (www.hamrickmfg.com).

Containers enter the machine single file and then converge into two or three lanes depending on Continued on page 38



poly pack inc.

BOARD to death?

THINK SHRINK!



Shrink & Stretch Equipment

www.polypack.com



Caps are sorted in a vertical rotary unit and then travel down a chute to a four-station transfer table that transports them to the four-head rotary capper.

the coordinated pack size. A pneumatic agitator assembly on the infeed prevents lane jams and helps attain consistent lane accumulations.

Empty cases enter on a lower-level conveyor. When the correct number of bottles has accumulated, the empty case is lifted and a plate retracts to allow the bottles to drop into the case. The filled cases exit on a powered conveyor. "We surveyed the market and selected the Hamrick case packer, and we've been very pleased," says Eggemeyer. "I've used this term several times, and I'll use it again. The Hamrick machine is very simplistic and easy to use. That was one of the things we were looking for when we put this line together. We're 300 miles from the nearest metro

area, so we wanted equipment that would be easy for our people to operate and maintain without requiring service calls, and that's what we have."

The cases travel to a Bel 252 top taper from **Wexxar Packaging, Inc.**, (www.wexxar.com) that is equipped with Dekka tape heads. The machine also features BEL's Snap Folder safe-flap folding technology, which promotes the protection of personnel by eliminating the traditional flapkicker that can cause serious injury.

The container conveyors throughout the packaging line are supplied by **Accutek Packaging Equipment Co., Inc.** (www.accutekpackaging.com). All of the equipment features controls from Rockwell Automation.

More information is available:

Axon Corp. 919/772-8383. www.axoncorp.com.
Accutek Packaging Equipment Co., Inc., 760/734-4177. www.accutekpackaging.com.
All-Fill, Inc., 610/524-7350. www.all-fill.com.
Berlin Packaging, 800/723-7456. www.berlinpack.com.
Change Parts, Inc., 231/845-5107. www.changeparts.com.
CKS Packaging, Inc. 404/691-8900. www.ckspackaging.com.
Dekka Industries, Inc., 604/278-7881. www.dekkaindustries.com.
Dillin Capping Systems, 419-666-6789. www.dillin.net.
E-Pak Machinery, 219/393-5541. www.epakmachinery.com.
Festo Corp., 631/435-0800. www.festo.com/us.
Flexicon Corp., 610-814-2400. www.flexicon.com.
Fresh Ink, 850/215-2321. www.haveamission.com.
Hamrick Mfg. & Services, Inc., 800/321-9590. www.hamrickmfg.com.
Keyence Corp. of America, 201/930-0100. www.keyence.com.
Meyer Machine Co., 210/736-1811. www.meyer-industries.com.
Nordson Corp., 770/497-3700. www.nordson.com.
Pace Packaging Corp., 973/227-1040. www.pacepkg.com.
Phoenix Closures, 630/420/4750. www.phoenixclosures.com.
Rockwell Automation, 414/382-2000. www.rockwellautomation.com.
Seal-It, A Div. of Printpack, Inc., 404/460-7000. www.printpack.com.
Trinamics, Inc., 519/942-2442. www.trinamics.com.
Wexxar Packaging, Inc., 604/930-9300. www.wexxar.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

CLOUD
PACKAGING SOLUTIONS

Trust your contract packaging needs to the expert!



With more than 75 years of experience, Cloud Packaging Solutions is the industry leader in primary and secondary contract packaging, design services and high-speed HFFS equipment. Cloud and its many business units serve the food & beverage, personal care, consumer and industrial markets.

Call us today for your low- or high-volume needs!

847.390.9410 | www.cloudps.com

SPAN
PACKAGING SERVICES

automated
PACKAGING

multi-pack



A horizontal wrapper individually wraps 40 to 50 writing instruments/min in heat-sealable PP film.

Pen wrapping

Devastated by the Midwestern floods of 2008, Norwood Souvenir restarts production with help from a **REPLACEMENT FILM-WRAPPING SYSTEM** for its imprinted writing instruments.

Jack Mans,
Plant Operations Editor

The floods of June 2008 exacted a severe toll on Norwood Souvenir, a manufacturer of imprinted writing instruments. One of its facilities located near the Cedar River in Cedar Rapids, IA, was completely inundated. To continue meeting customers' needs, Norwood decided to relocate its operations to a similar facility in Red Wing, MN.

One important aspect of this successful move was Norwood's replacement wrapping system from **Doboy, Inc., a Bosch Packaging Technology co. (www.doboy.com).**

With packaging critical to any manufacturing operation to ensure product protection for shipping, storage and shelf display, Norwood required equipment immediately. Supplying a horizontal wrapping machine quickly, Doboy provided a key component of Norwood's new operation, enabling the company to make the facility transition in a very short timeframe.

Norwood used a Doboy Stratus™ horizontal wrapper to individually wrap writing instruments in PP heat-sealable film and wanted to find a comparable wrapping system for Red Wing. It turned to K.C. Boudrie, territory sales manager of **Technical Packaging Machinery, Inc. (www.tech-pack.com)**, a packaging consultant/distributor. Initially, they considered renting a piece of equipment. But consulting with Boudrie, Norwood decided to purchase another Stratus.

"We were able to offer an expedited delivery of seven business days with the Doboy machine," says Boudrie. Currently, the Stratus wraps up to 40 to 50 products/min. But Norwood is considering adding a hopper to the line that make throughput faster.

More information is available:

Doboy, Inc., a Bosch Packaging Technology, co., 715/243-2296.
www.doboy.com.

Technical Packaging Machinery, Inc.,
952/448-1677. www.tech-pack.com.

There's a reason why the largest manufacturing company in the world uses our system.



A1WEBCAMS
Digital Surveillance

800.616.7986
www.a1webcams.com

Increase efficiency by avoiding production stoppages.

We know how to do it! Call today and save...

Ripe for containment

STRETCH TAPE SYSTEM gently secures pallet loads of Backyard Farms' vine-ripened tomatoes.



The tape retains its elasticity after stretching, securing the trays without crushing them.

Linda Casey, Associate Editor

Since its first shipment in January 2007, Backyard Farms, LLC, has sold more than 20 million lbs of its vine-ripened tomatoes to the New England market. Covering approximately 1 million sq ft, Backyard Farms' hydroponic growing facility in Madison, ME, uses both technologically advanced and environmentally friendly growing, harvesting and packaging processes that allow the company's Backyard Beauties brand of tomatoes to stay on the vine longer than conventionally grown and harvested tomatoes.

Handled with care

Fully ripened tomatoes might be flavorful, but they don't travel long distances well. This is why tomatoes are often shipped green and allowed to ripen while in transport or in an ethylene chamber. To avoid damage to ripe fruit during transport, Backyard Farms sought a way to contain pallet loads of the tomatoes in such a way that the fruit could still respire. Also, the load containment solution would need to be environmentally friendly. Backyard Farms approached **xpedx** (www.xpedx.com) to help it meet these challenges. "Traditional stretch wrap with corner boards would definitely shorten the product life," says Tim Cummings of xpedx's Portland, ME, division. Instead of stretch wrap, xpedx suggested the **3M** (www.3m.com).

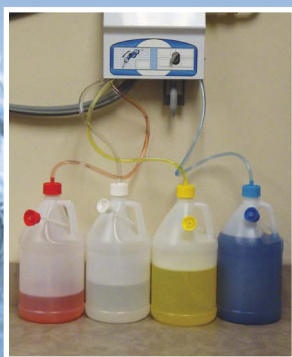


Chemical Containment at the Packaging Level

Protect your company, customers, and employees from spills or accidents with RD Industries SafTflo chemical containment system.

SafTflo offers self-venting chemical containment designed to fit virtually any of your current packaging sizes and shapes.

- | | |
|-----------------------------|----------------------------------|
| Increased end-user safety | • Protecting the environment |
| Preventing toxic spills | • Reducing chemical waste |
| Eliminating mixing mistakes | • Optimizing product performance |



RD
INDUSTRIES

7417 North 101 Street • Omaha, Nebraska 68122

402-455-8553 • 800-759-7090

www.rdindustries.com • sales@rdindustries.com

MilexCorp.com
866.720.9415
972.252.3500

Loose Fill Checklist:

- ☐ Anti - Static
- ☐ Anti - Migration
- ☐ 100% Biodegradable
- ☐ Low, Stable pricing

Missing any of these?
Then you're missing **Milex**.

KEEP EARTH CLEAN.
PACK IT GREEN.





com/packaging) Stretchable-tape Load-containment system.

Backyard Farms chose the 3M Stretchable Tape Wrapper Model ST1000. Designed specifically for the Scotch Stretchable tapes, the tape wrapper has 4,400-lb capacity with a return-to-start turntable and programmable opera interface panel.

Backyard Farms is using the Scotch Stretchable Tape 8886 in the tape wrapper. The 4-mil (0.102 mm) low-density polyethylene tape has a pressure-sensitive synthetic rubber resin. The tape is engineered to provide ventilation and stability while preserving parts integrity, minimizing waste and reducing material waste. The ST1000's taping head prestretches this to 650 percent, which 3M global product manager for Scotch Stretchable Tape Chad Henke says is the optimal stretch ratio for the tape. The tape can be further stretched to 720 percent before breaking.

Deceptively delicate looks

The ST1000 can apply the tape in a variety of customized wrapping patterns: Multi-X patterns are designed to provide the best load stabilization for road freight applications; corner overwrapping patterns help secure the top layer of cases to maximize holding power; and banding patterns are designed with waste reduction in mind, as these patterns minimize the amount of tape used for in-house load-containment applications.

These tape patterns resemble spider webs in both their delicate appearance

and high level of strength. Stretching the tape to 650 percent increases its tensile strength to 40 lb/in. When the tension is released, the tape's elastic memory contracts the tape slightly to tighten the load without damaging the trays.

A photoeye detects the pallet height and position for nearly automatic operation, while the machine's touchpad controls allow an operator to access one of up to 10 frequently used patterns stored in the machine's memory or to easily customize the patterns.

These patterns allow a load to be securely contained without completely covering the sides of the pallet load. "We love the fact that the waste that comes out of the 3M machine is about the size of a softball," remarks Backyard Farms sales and marketing executive vp Tim Cuniff. "If you use your traditional stretch wrap, it's the size of a bed pillow." According to 3M, the material reduction afforded by the stretch tape can reach up to 95 percent.

Continued on page 42



Tape is prestretched to 650 percent before it is wrapped around a pallet of tomatoes.

What would you put in these?

Imagine the Possibilities...

Composite can manufacturer
for over 72 years



Call or visit us at:
www.canfabpkg.com
sales@canfabpkg.com
1.888.5.CANFAB



ANYSIZE* SYSTEM

- Automate guide rail size changes for all your package sizes, present and future
- Adjust rails to any position from the touch screen
- Accurate, affordable and reliable
- Simple to install as a retrofit
- Wash down or warehouse options



For a budgetary proposal
on the Anysize* System,
visit our website at
www.FlexibilityEngineering.com
*Patent Pending

3920 Patton Avenue • Loveland, CO 80538
Phone: 970.612.0315 • Fax: 970.612.0320
www.FlexibilityEngineering.com

When the tape is stretched, it loses its tack, enabling the retailer to remove the tape while keeping the open-top trays retail-ready.

Process-color appeal at spot-color prices

The vivid graphics of Backyard Beauties' trays mimic the look of four-color printing. ChromaPak, the graphic arts technology used to achieve this look, was first developed by Weyerhaeuser R&D scientists in 2002 in response to corrugated customer's desire to move away from simple line art decoration to powerful process graphics.

International Paper [IP (www.internationalpaper.com)] acquired the technology last year, when it bought Weyerhaeuser's container board, packaging and recycling business for \$6 billion.

The printing technology uses sophisticated color separation and custom ink formulations to create vivid graphics and text without the costs of four-color process. "It uses fewer print colors and print stations to achieve the look of four-color process, but it is not four process," says IP

graphics/ChromaPak eastern region account manager Laurence Miller.

The display-ready cases also provide better protection for the ripe tomatoes. "By having a display-ready package, you cut down on the handling of the fruit, which lowers potential damage and soilage," IP industrial packaging marketing director Alan Clark remarks. "You are basically handling the tomatoes once when putting them into the corrugated box, and the next time it gets touched is at retail."

The rotary die-cut trays are shipped flat to Backyard Farms, where they are folded and glued by a One Touch tray former, which can produce approximately 25 cases/min. The formed boxes have interlocking tabs that allow the tray to be used with the grower's automated system of carts that travel through the greenhouse before being packed and palletized.

Each tray is filled with individually labeled tomatoes. Backyard Farms uses the ORB-it Vision Labeler to apply eco-friendly, biodegradable paper labels to its tomatoes. Both the applicator and the biodegradable paper labels are supplied by **Accu-Label, Inc. (www.accu-label.com)**.



Backyard Beauties, top, are prominently displayed in their open-top, display-ready boxes at a Walmart in Maine. On July 25, 2007, Backyard Farms's 24-acre greenhouse, left, was noted in the U.S. Congressional Record as the largest building in Maine.

Flexographic presses from **Mark Andy, Inc. (www.markandy.com)** are used to print the standard S2 size (0.762x.562-in. oval with an end tab) labels with three inks: a black and two Pantone spot colors.

The labeler uses the TARG-it Vision system, developed by Accu-Label's sister company **Ag-Tronic Control Systems, Inc. (www.ag-tronic.com)** to identify each fruit, vine and calyx for precise sticker application. Then, the machine's soft-silicone bellows-type applicator gently places the label onto the ripe fruit. According to Accu-Label co-owner Sam Sleiman, the ORB-it Vision Labeler is capable of 99.999 percent

accuracy on produce without a vine. Backyard Farms is very pleased with the 85- to 90-percent label placement accuracy that the machine delivers when labeling its Backyard Beauties.

Success ignites innovation

Backyard Farms continues to look at packaging as a way to protect and promote its produce, and the grower currently is developing new packaging concepts. "We are coming out with some completely off-the-rack ideas," remarks Cunniff. "At the end of the year, we are coming out with some very innovative, exciting packaging ideas that will be completely outside the scope of the industry."

Daily Packaging News eNewsletter

Get the day's hottest packaging news delivered to your desktop

- Most widely distributed newsletter among packaging decision-makers
- Keep up-to-date with global packaging news
- Learn about new, innovative packaging products and technology

Packaging Digest also offers monthly eletters to meet your information needs:

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

FREE SUBSCRIPTION.

Sign up at www.packagingdigest.com

Packaging Digest
Daily Packaging News

Home | Current Issue | White Papers | [Papers/Research](#) | [Subscribe](#) | [Contact Us](#)

>>> Tuesday, August 11, 2007

Heinz Baked Beans gets packaging makeover
Food manufacturer HJ Heinz Company will launch a new Soup Pot version of its Heinz Baked Beans brand in the U.S. The new yogurt pot-style portion is designed to allow consumers to put the product, which has been sold in cans in the U.S. since 1902, directly into the microwave without any additional containers being used. The packaging will also be used for spaghetti sauce.
[Read more...](#)

Russia: Pepsi seen closing in on juice giant
Reports that PepsiCo was set to buy a 74 percent stake in laboratory caused a sharp spike in share prices Monday for the country's largest juice maker. The deal, estimated to be north of \$2.5 billion, would be the largest ever in the Russian juice sector and value the company at about \$84 per share. Kommersant reported Monday, citing sources close to the proposed deal.
[Read more...](#)

BLOGS on packagingdigest.com
[Packaging by Design: Who Wouldn't Like a "Party in a Bag"?](#) >>
[The Good, The Bad, The Ugly: Sleazy Food Packaging...](#) >>
[Loosely Packaged: Monday's Gadget Roundup](#) >>

Product of the day
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.
[Read more...](#)
Bosch Rexroth Corp., 800/739-7684

Prepackaged products may not save time in long run
While it's true that a frozen lasagna dish is usually faster to make than homemade lasagna, researchers from the University of California-Los Angeles wanted to find out how convenience foods are used in the real world. After they videotaped family cooking habits, the researchers saw that convenience foods weren't used as a time-saving substitute for the same dish made from scratch. Instead, packaged foods offered a way for families to eat more elaborate meals than they would normally have time to prepare.
[Read more...](#)

Australia: Green party wants state-of-origin food labels
The Greens says more Queenslanders would buy food produced within the state if they knew where it had come from. The Green-led Senate candidate for Queensland, Leticia Vickers, says the Greens have proposed state-of-origin food labeling and improvements to the existing nation-of-origin labeling system.
[Read more...](#)

You are receiving this email because you have requested either a newsletter or magazine from REED BUSINESS INFORMATION. You are currently registered to view Packaging Digest's Daily Packaging News at notifications@reedbusiness.com

SUBSCRIBE to Packaging Digest's e-newsletter | UNSUBSCRIBE from Daily Packaging News | CHANGE YOUR PROFILE | Change email address or delivery options

QUESTIONS: If you have questions or need further assistance, please contact our Customer Support Staff.

PRIVACY: You may receive subscription, editorial, marketing and other e-mail messages from REED BUSINESS INFORMATION. For a complete description of our policies with respect to our use and disclosure of your information, click here: [Privacy Policy](#)

Printed on Recycled Paper. Recycled Business Information, 2000 Cleveland Drive, Oak Brook, IL 60521. Fax: 630-268-8384

Copyright © 2007 by Reed Business Information, a division of Reed Elsevier Inc. All rights reserved.

Sponsored by

American Packaging Corporation
specializing in award winning flexographic and rotogravure printing, multi-layer lamination and adhesive laminated applications for labels, packaging and other applications.
[More information at \[www.americanpack.com\]\(http://www.americanpack.com\)](#)

DYNACON
DYNAMIC CONVEYOR CORPORATION

How do you reconfigure your conveyors?
If you don't have an answer to that question, then watch Dynacon's 3-minute movie and learn about conveyors that Assume Any Position.
[Watch movie](#) >>

White Papers
Closing the Loop: Extending Wireless LAN Security to Wireless Printers
[Download now - FREE](#)
Optimizing Vacuum Design for Material Handling
[Download now - FREE](#)
Production Driven Purchasing Drives Up the Costs of Pre-Printed Cases
[Download now - FREE](#)
Share your white paper with your peers and customers. Click here to [upload your white paper on our website](#).

Daily Packaging News Contacts
Editorial: Mary Ann Falkman
Advertising: Steve Reiss

PACKAGING DIGEST
www.packagingdigest.com

Models C-50 & C-100

Stand-Up Pouch Capabilities

LAMINATE OR POLYETHYLENE



- 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

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

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

system integration

Last month's column looked at the skills and the industry experience of a typical packaging system integrator as reported in the recent study, "Automation in Packaging" by *Packaging Digest* and *Control Engineering* magazines. These statistics suggest that although there are hundreds of automation system integrators currently serving the packaging industry, few are strictly packaging system integrators.

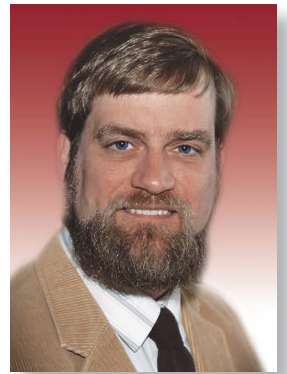
of the profitability of packaging projects. Packagers who contributed to this study cited cost as their top criterion for selecting a system integrator, so the margins must be tight for the integrator who gets the job (see Chart 2).

It's not that packagers don't approve of their integrators' work. According to the study, 90 percent indicated that system integrators generally meet their needs and 79 percent said they were

(versus repeat) business.

Geographic proximity was also way down the list, but readers searching the online **Packaging Integrator Guide** (www.integratorguide.com) specified location far more than any of their other search criteria.

Then again, these readers probably don't already have integrators that they've worked with successfully, and every system integrator listed in the Packaging Integrator Guide is presumed to have expertise in packaging.

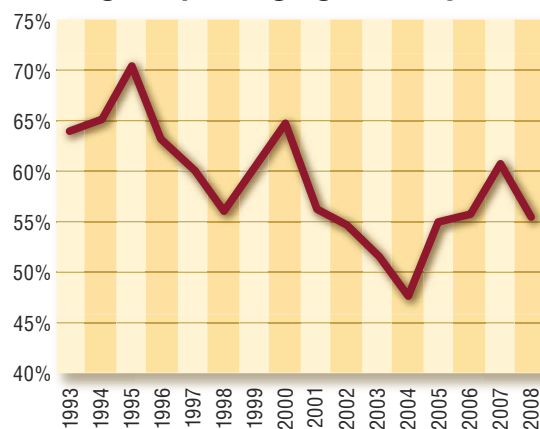


Analyzing the automation study, part 2

Apparently, that's a good thing. Less than half of the system integrators who contributed to this study (44 percent) expect packaging to grow over the next five years. That may be why an ever smaller percentage of system integrators has chosen to serve the packaging industry over the last 15 years (see Chart 1).

This downward trend might also be a reflection

Percentage of system integrators serving the packaging industry



Source: Control Engineering's Automation Integrator Guide

Chart 1

likely to continue working with their current system integrator on future packaging projects.

This is good news for integrators. Bob Zeigenfuss, president of System Integrator Hall of Fame enshrinee Avanceon notes that an integrator can't afford to start from scratch with a new client for every project. "We never make money on projects with new clients, because we're always re-doing things where we failed to verify and clarify the client's expectations," Zeigenfuss says.

By the third project, however, integrators and their clients understand each other better, so less of the integrators' margin is spent on rework, he says. But integrators that don't get around to that third project aren't likely to be profitable serving the packaging industry.

Persistence also pays off from the packager's point of view. Packagers are just as averse to starting from scratch with a new integrator for every project.

After cost, the success of previous projects was their most important criteria for selecting a system integrator—tied in the study with expertise in packaging and way ahead of technical resources and general technical skills.

Referrals and word of mouth were way down on the list, though system integrators will tell you that these are their primary sources of new

Top criteria for selecting system integrators

Cost	64%
Success of previous project with us	51%
Expertise in packaging	51%
Technical resources	26%
Technical skills	26%
Referrals/word of mouth	15%
Geographic proximity	14%
Availability	14%
Affiliations with preferred vendors	8%
Financial stability	7%
Business skills	3%
Professional certifications/awards	1%
Other	4%

Chart 2

Consulting Editor Vance J. VanDoren, Ph.D., P.E., contributes articles on process control, advanced control and systems integration and edits *Control Engineering's* and *Packaging Digest's* annual *Automation Integrator Guide*.

Optimum Solutions For The Quality Control Of Flexible Packaging Products



Labthink®

www.Labthink.cn

We produce a whole range of testing instruments for the flexible packaging industry. We pursue technical innovation and conscientiousness. We have a talented team of expertise and dedication. Our distributors deliver professionalized technical support and quality customer services in your local region. We have more than three thousand customers and excellent reputation world-wide.

- ✓ Complying with ISO, ASTM, GB, and all other relevant standards
- ✓ Continuing technical support services ✓ Lower production costs
- ✓ Good price ✓ On time delivery

+86 531-85811021
trade@labthink.cn

>SAS< IS Automation

From components to custom end-of-arm tooling you can count on >SAS< to have engineered solutions to keep your packaging line up-and-running, versus you up-and-running.



getagrip@sasgripper.com
www.sasgripper.com
Toll free: 888-SAS-EOAT (727-3628)

>SAS< Automation

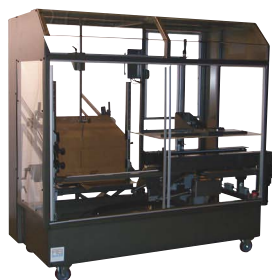
Robotic End-of-Arm Tooling

SOUTH Pack >SAS< booth #2712

info showcase

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

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



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

Flexible Palletizing Solutions

Do you know what you'll be packaging in 2 years? 5 years? 10 years? No matter what your future holds, Columbia has a flexible palletizer designed to handle your current and future palletizing challenges. This New brochure describes Columbia's complete line of palletizing solutions and the latest features that are available to create a palletizer flexible enough to handle any package type.
Columbia Machine, Inc.
800-628-4065, Fax: 360-750-9221
E-mail: pallsales@colmac.com, www.palletizing.com

Do you know what you'll be packaging in 2 years? 5 years? 10 years...
Neither do we.



Columbia's flexible palletizers are designed to handle your present and future palletizing challenges.



CTM-Introducing New Labeling Applicator

Now Available - CTM has introduced a new labeling applicator evolved from the industry standard 360 Series Label Applicator. • Cutting edge stepper drive technology-providing more power • Tighter labeling placement accuracies • More responsive encoding features • RFID production capabilities • Ethernet communications • Advanced touch screen interface.

CTM Labeling Systems

P: 330-332-1800, Fax 330-332-2144
www.ctmlabelingsystems.com
e-mail us at ctmsales@ctmint.com



Latest Induction Sealing Technology

Stop by and see the latest induction sealing technology on display including variable speed sealing control and remote control and monitoring with touch screen interface capabilities. Find out which packages gained entry to the induction sealing Hall of Fame and learn how to reduce pack weight with an induction seal.

Enercon Industries

262-255-6070

info@enerconind.com, www.enerconind.com/sealing



ERIEZ X-Ray Inspection Systems

Eriez' E-Z Tec XR Series delivers the highest level of product and packaging integrity through X-Ray Inspection.

- Advanced technology for superior sensitivity and speed
- Real-time analysis of goods
- Monitor packaging for count, mass and fill level
- Detect metals, stone, glass and plastics.

Eriez

888-300-3743, www.Eriez.com

FSU207 Showcases Fres-co System's Innovation in Flexible Packaging...

The FSU207's versatility makes it the ideal VFFS. It packages a range of products in registered, hermetically sealed gusseted bags or pillow pouches up to 90 bags/minute. The FSU207 is designed with user friendly controls and provides consistent, superior performance-proving it an asset to your production needs.

Fres-co System USA Inc.

215-721-4600

E-mail: equipmentinfo@fresco.com, www.fresco.com



Hitachi High Performance AC Drives

Hitachi introduces the full line of the SJ700 Series of inverters. Hitachi reasserts its technological leadership with an improved sensor-less vector (SLV) control algorithm that enables the SJ700 to develop more than 200% starting torque at 0.3 Hz. Another enhancement to mention is EzSQ (Easy Sequence) built in programming function. It's like having a PLC built into the inverter!

Hitachi America, Limited/Industrial Systems Division

262-787-4975, inverterinfo@hal.hitachi.com
www.hitachi-america.us/inverters

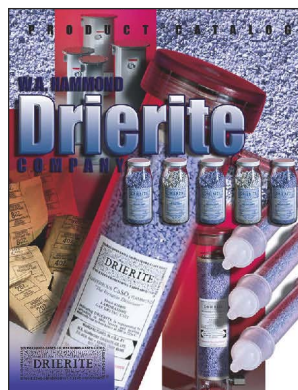


Anysize Guide Rail Positioning System

Flexibility Engineering's Anysize Guide Rail Positioning System ends your changeover nightmares. Our streamlined design accommodates any size package-add new sizes with a simple touch of a button! Forget about costly changeovers and complicated multi-rail systems. The Anysize System lets you run the size you need, when you need it.

Flexibility Engineering

970-612-0315, www.FlexibilityEngineering.com



Drierite Desiccant Bags

DRIERITE Desiccant bags are filled with DRIERITE (anhydrous calcium sulfate), the highly effective and completely safe drying agent. DRIERITE will reduce the humidity in a sealed container to a -100 F dewpoint which is nearly 0% R.H. at ambient temperatures and will not release absorbed moisture. Packages that experience temperature changes during shipping and storage are best protected by including a DRIERITE desiccant bag.

W.A. Hammond Drierite Co. LTD.,

Tel: 937-376-2927, Fax: 937-376-1977, www.drierite.com

Horizontal F/F/S Machines

The Bodolay Models C-50 and C-100 horizontal f/f/s machines are compact, high-speed and feature exceptional precision along with quick change over for versatile operation. Fast, automatic sealing of bags from 50/ to 100/BPM for a variety of products including food, pharmaceutical, toiletries, automotive, electrical and more. Laminate or polyethylene bags. Servo driven with low power consumption.

Bodolay Packaging Machinery

813-754-9960, Fax: 813-754-9321
www.bodolaypackaging.com



marketplace

NEW — REVOLUTIONARY...CAN LINE TECHNOLOGY NOW AVAILABLE!!!!!! CURRENTLY IN USE BY ALL MAJOR BEVERAGE MANUFACTURERS



INTRODUCING THE ENTECH FABRICATIONS, INC. "GATLING GUN"™ @ CONTAINER FEED SYSTEM (PATENT PENDING)

- ONE "GATLING GUN"™ @ SYSTEM CAN RUN MULTIPLE CAN SIZES (BOTH HEIGHT AND DIAMETER ADJUSTABLE) IN THE SAME SET UP.
- NEW CAN SIZES CAN BE ADDED AT A MINIMAL COST.
- NO MORE LOST OR DAMAGED FITTINGS.
- LINE DOWN TIME TO CHANGE FITTING SIZES CUT TO MINUTES NOT HOURS.
- THIS SYSTEM CAN BE UTILIZED ANYWHERE YOU WOULD NEED A MULTIPLE CAN SIZE RUN.

**NO
TOOLS
NEEDED**

**ROTARY INFEED &
DISCHARGE FOR RINSER**

ENTECH FABRICATIONS, INC • 708-597-5568 • WWW.ENTECHFABRICATIONS.COM

FLEXOPRINT®

• FLEXIBLE PACKAGING •

Short and Medium Runs!

- Fast Turn Around
- Quality process Printing up to 8 color
- New 100% Solids Lamination
- Roll Stock and Premade Pouches

**Ph: 715-381-8260
e-mail: admin@flexoprintinc.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

DJS Enterprises

NEW AND USED PROCESS AND PACKAGING EQUIPMENT

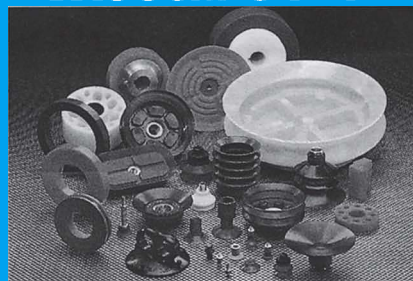
Tisma Vertical Cartoner Model TC-50E BL • Kaps All Automatic 3 Quill Capper A2
Mateer Burt Automatic Powder Filler Neutron • Blipak 204 Thermoforming Blister Machine
Universal Table-Top Wraparound Labeler R310 • S-T Kvik-Sort Bottle Unscrambler BSF-30
New Aluminum Foil Induction Sealer JF-2 • King Automatic Wraparound Labeler LH46
New 125-500 ml Table Top Pneumatic Piston Fillers • Sunshine Powder Vertical FFS SP-203
KWT - 500i Table Top Heat Induction Sealer • Sabel Case Packer & Sealer Model SE-10

**Complete Packaging Lines for Tablets, Capsules, Liquids, and Powders
Process Equipment: Mixers, Tanks/Kettles, Granulators, & Coating Pans**

**www.djsent.com • e-mail: 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**

YOUR BEST SOURCE FOR VACUUM CUPS!



**VI-CAS PRODUCES OVER 750 STYLES OF VACUUM CUPS, BELLOWES
AND OBLONG CUPS IN SIZES RANGING FROM 1/8" TO 11".
MADE OF LONG LASTING POLYURETHANE, VINYL, OR SILICONE.**

**OTHER ITEMS AVAILABLE INCLUDE
CUP ADAPTORS • ROLLERS • BELLOWES • CAPPER DISKS
CALL FOR FREE SAMPLES - EXT. 210**

**513.791.7741
513.791.6484 FAX**

www.vi-cas.thomasregister.com



vicas@juno.com

ULTRASONIC SENSORS

**Economically Priced!
Cross Referencing Starting at \$79
Yours With Ours!**

- Over 150 Models
- Intrinsically Safe
- Measurements from 1 in. to 100 ft.
- Semi Custom Designs & Housings
- Tank Level Control

**Send us your specs or current
model # - we can match it for less**



800-990-1195

info@migatron.com

www.migatron.com

Sensing Our Customers' Requirements

Standard classifications are: Machinery & Materials; Contract Packaging; Career Opportunities. Other more specific classifications may be requested. 2009 rates are \$325.00 net per column inch (1 time frequency), \$310.00 net per column inch (3 time frequency), \$295.00 net per column inch (6 time frequency), \$285.00 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



Machinery & Materials

World's Largest Supplier of Rebuilt and New Processing & Packaging Machinery

Agitators	Capsule Fillers	Dryers	Kettles	Revolving Pans	Strip Packagers
Ampule Fillers	Cartoners	Extruders	Labelers	Roasters	Tablet Counters
Auger Fillers	Case Packers	Filters	Liquid Fillers	Scales	Tablet Presses
Bag Sealers	Case Sealers	Flow Wrappers	Metal Detectors	Shrink Tunnels	Tanks
Bar Wrappers	Check Weighers	Form, Fill & Seal	Mixers	Shrink Wrappers	Tube Fillers
Blister Packagers	Colloid Mills	Fryers	Neck Banders	Sifters	Unscramblers
Box Wrappers	Cottoners	Granulators	Piston Fillers	Slicers	Vacuum Packagers
Can Seammers	Dedusters	Grinders	Powder Presses	Soap Cutters	Vial Fillers
Candy Wrappers	Dicers	Homogenizers	Pumps	Soap Plodders	Volumetric Fillers
Cappers	Dust Collectors	Induction Sealers	Refiners	Soap Presses	Weighers

UNION STANDARD EQUIPMENT

718.585.0200

www.unionmachinery.com

sales@unionmachinery.com



FRAIN GROUP

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

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

- 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

Rainbow Hex Keys **PB SWISS TOOLS**
SINCE 1878
www.pbtools.us

100% Swiss-made & Guaranteed for life!

www.packagingdigest.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



**Packaging Enterprises Inc.
Philadelphia, PA**

since 1914

800-453-6213

marketplace

Printing

OOPS...

Roll Printers, Have You Ever Left Out a Net Wt. or Some Other Printed Image and Rendered Your Otherwise Perfect Print Job Worthless? We Will Add This For You in Register and Restore the Job to its Original Value. Cover-up and Reprint Also Possible.

Cincinnati Convertors, Inc.
Post-Print Dept. • 1730 Cleneay Ave.
Cincinnati, OH 45212 • (513) 731-6600
www.cincinnaticonvertors.com

See these
Marketplace ads on
www.packagingdigest.com

Services

SERVICE NOW

For Your Domino Inkjet Printer Needs
• **EXPERT SERVICE • FACTORY PARTS**
Highest Quality Replacement Fluids

CALL NOW 1-973-783-2198
Email: servicenow@verizon.net
<http://mysite.verizon.net/vzewx45a/>

CONTRACT SEAMING



- WE CAN SEAM ALL YOUR PRINTED AND CLEAR PVC, PET-G, PLA SHRINK FILM.
- NO SET UP CHARGE.
- QUICK LEAD TIMES!

You PRINT It, We SEAM It!
1(866)612-1740 s1PKG@AOL.COM

Machinery & Materials

- 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



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

Contract Packaging

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



Manufacturing Support

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

Contract Packaging

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

Warehouse Logistics

- ▶ Fulfillment
- ▶ Foreign Trade Zones

Material Procurement

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

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!



Integrated Packaging Capabilities that are Wide and Deep
and
Wrapped Up with Highly Personalized Service

Contract packaging & design	World-class customers
Liquid blending & filling	25+ years experience
Shrink wrap & assembly	Warehouse club specialty
Thermoforming	CPG expertise
Chipboard & paperboard	Abundant capacity

We invite you to get to know The Visual Pak Companies
Packaging Solutions for the World You Live In
877-689-0001

www.visualpak.com sales@visualpak.com
Chicago Appleton Atlanta

www.packagingdigest.com

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



Contact: Dodson Galloway
956-585-8321
Mission, Texas 78572
Email: dodson@tcxjuice.com



**EXPRESS
TUBES, INC.**

1-866-941-3944

- Quick delivery
- Low minimums
- Pre-production samples
- Custom caps & tube body

8655 So. 208th St
Kent, WA 98031 U.S.A.
www.expresstubes.com
info@expresstubes.com

**SUCKERS
BY THE ZILLIONS!
FOR PACKAGING & PRINTING**

A large variety of rubber & vinyl
Rudow Suckers available.

William B. Rudow Co.
Phone (941) 957-4200
Fax (941) 955-7666
www.suckers.com
info@suckers.com

P. O. Box 2300 • Sarasota, FL 34230

Since 1880

Equipment & Appraisal Company
The Ultimate Tool

- Buying, Selling, Renting and Leasing High-Quality Processing and Packaging Equipment
- Certified Market Value Appraisals
- Equipment Warranties
- Asset Management Services
- Liquidating Single Machines and Entire Facilities
- High-Risk Leveraged Equipment Financing
- Reconditioning and Set-Up Services

Call Us At 1-800-560-LOEB
www.loebequipment.com (5632)
sales@loebequipment.com

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

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



The Stick Pack Authority

T.H.E.M.
Contact Christine at:
800-322-8436 x11
www.them.net

Place your classified ad TODAY!
Call Barbara Levin at
630/288-8474
Fax: 630/288-8750

newsmakers

MOVERS & SHAKERS



Jay W. Roth
Elsnor Engineering
Works, Inc.

Elsnor Eng. Works, Inc. promotes Jay W. Roth to regional sales manager. **Norwood Marking Systems/Allen Coding Systems** appoints Randy Roberts regional

account manager.

Alcan Packaging names Diane Frisch vp of human resources and communications, Food Americas, and



Diane Frisch
Alcan Packaging

vp of human resources, global pharmaceutical packaging. **Menasha Packaging** announces that Dennis Bonn, vp of marketing, has assumed the responsibility for the company's Retail Integration Institute. **YKK Corp.** names Michael Blunt fastening business leader for its north- and

central-American regions as well as president of subsidiaries, YKK USA and Tape Craft Corp.



Jeff Brown
Multisorb Technologies

Multisorb Technologies appoints Jeff Brown business development leader, food & beverage market. **Century Foods** hires Joe Leinfelder as a sales manager for its branded and private-label group. **Multivac, Inc.** appoints Jim Brigman western regional service supervisor. **PMMI**



Jim Brigman
Multivac, Inc.

announces that Carol Shuttleworth, president and CEO of Shuttleworth, Inc., will chair its global marketing committee; Rick Schneider, president of Schneider Packaging Equipment Co., will chair its membership committee; and Jack Aguero, vp of business development and marketing for Pro Mach, Inc., will chair its business intelligence committee. **WeighPack Systems, Inc.** promotes Mark Conforti to manager of its Midwest facility.



Michael Blunt
YKK Corp.



Randy Roberts
Norwood Marking Systems/
Allen Coding Systems

The Technical Association of the Pulp and Paper Industry (TAPPI) elects Dr. Gary M. Scott (SUNY), Davide R. Friedman (General Mills) and Thomas E. Rodencal (consultant) to its board of directors. **Standard-Knapp** promotes Mike Weaver to president and co-CEO and Robert Reynolds as COO and co-CEO and hires Kevin Catherman as national accounts manager. **Solvay Chemicals, Inc.** promotes Paul Jones to business manager—sulfite and trona.

BUYING & ALLYING

Adept Technology, Inc. signs Eagle Technologies Group as its newest preferred packaging partner. **Campbell Wrapper Corp.** buys TEMCO, which will be merged with Parsons-Eagle Packaging Systems. **Amcor, Ltd.** is in talks for part of Alcan Packaging. **Mason Wells Buyout Fund II, L. P.** acquires Tolas Healthcare Packaging. **Rockwell Automation** acquires Rutter Hinz.

ACHIEVEMENTS

Printing Industries of America names James Hammer of Hammer Packaging the recipient of the 2008 Lewis Memorial Lifetime Achievement Award, which is named for Abraham Lewis, founder of *Graphic Arts Monthly*, also published by Reed Business Information.

ad index

	page number		
A. Schulman Inc.	15	Robbie Mfg. Inc.	22
A1 Webcams	39	RSI Systems LLC	C-4
A-B-C Packaging Machine Corp.	8	SAS Automation	43
Advanced Manufacturing Technology	41	Sato America Inc.	13
Aerotech Inc.	30	Schneider Packaging Equip. Co.	31
Alcan Packaging	7	Sustainable Forest Initiative	11
Amgraph	20	Tempco Electric Heater Corp.	32A-B
Ball Packaging Corp.	14	Vision Research	25
Bivans Corp.	4	W.A. Hammond Drierite Co.	38
Blueprint Automation Inc.	24		
Bodolay Packaging Machinery	42	Packagers in this issue	
Campak Inc.	36	AriZona Beverage Co.	6
Canfab Inc.	41	Backyard Farms	40
Century Foods Intl.	5	Bernardo Alfageme SA	10
Chemsultants Intl.	16	Clorox Co	33
CHEP USA	C-3	Code Blue	8
Cloud Packaging Systems	38	Colgate-Palmolive Co.	30
CTM Labeling Systems	12	Diamond Wipes Intl.....	24
Digital Design	23	Envirocon Technologies	34
Eriez Magnetics	17	Facino AB.....	8
Festo Corp.	1	Ghiradelli	21
Fres-Co System USA Inc.	4	Kellogg Co.....	6
Gilbreth	C-2	Kraft Foods Canada	22
Iconotech	33	Micys in Milan	6
Kaeser Compressors Inc.	10	Norwood Souvenir	38
Labeling Systems Inc.	22	Performance Brands.....	23
Labthink Instruments Co. Ltd.	43	Productos Verde Valle	23
Markem-Imaje	29	S.C. Johnson	21
Milex	40	Scotts Miracle-Gro Products	6
Multisorb Technologies Inc.	35	Southern Specialties	18
MWV Corporate	19	Tillamook County Creamery Assn.....	28
Nalbach Eng. Co.	16	Twining of London	8
Norden Packaging Corp.	33	World Health Organization.....	20
Numatics Inc.	32		
Oaklee Intl.	36	also in this issue	
Packstar	26	Info Showcase	44
PakTech	21		
Plastic Ingenuity Inc.	34	Marketplace	45
Polypack Inc.	37	Machinery & Materials	45
Primera Technology Inc.	34	Services	46
Printpack Inc.	9	Contract Packaging	46
QuickLabel Systems, An Astro-Med		Printing	46
Product Group	3		
RD Industries Inc.	40		
Reed Exhibition Cos./Interphex 2009	27		

sales staff

Sales and Marketing Offices

John Bold, Group Publisher
630/288-8835 Fax 630/288-8750
jbald@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

Steve Slakis
630/288-8751 Fax: 630/288-8750
steve.slakis@reedbusiness.com

CLASSIFIED/INFO SHOWCASE:

Barbara Levin
630/288-8474 Fax 630/288-8750
blevin@reedbusiness.com

INTERNATIONAL REPRESENTATIVES:

Europe **Anthony Rochman**
anthonyrochman@btinternet.com
China/**Sylvia Xiao** sylvia@edoomedia.com
Israel/**Asa Talbar** talbar@talbar.co.il
Japan/**Masayuki Harihara** mail@yukarimedia.com
Taiwan/**Robert Yu** sales@wwwstaiwan.com

MARKETING:

Mary Williams, Marketing Services Manager
630/288-8745
mwilliams@reedbusiness.com

...on packagingdigest.com

The NEW Eye On Packaging blog!

David Bellm's blog is now sharper, more insightful and more tightly focused than ever. With its newfound attention to branding, marketing and packaging design, Eye On Packaging is a wealth of resources and ideas for anyone in the packaging community. "I've always loved the visual element of packaging," says Bellm. "And marketing and branding are a natural fit with that discipline. So I found myself increasingly focusing more and more on those types of subjects. It only made sense to really key in on those elements with my blog, especially since they have so much impact on everyone in packaging. And I'm having more fun than ever doing it." Eye On Packaging is updated three times every week. Visit it today!

www.packagingdigest.com/eyeonpackaging



newsbytes

Visit packagingdigest.com/bytes for these top headlines in the packaging marketplace.



California weighs statewide ban on polystyrene containers

Twenty-five cities and seven counties in California have already banned polystyrene food packaging. The bans are aimed at reducing plastic trash that makes its way into coastal waters. Now, momentum is building to extend the ban statewide...

Graphic Packaging plans to close four plants

Graphic Packaging Intl. announced plans to close four manufacturing facilities and transition business to other U.S. operating locations as it continues to aggressively complete integration plans to achieve the previously announced synergy savings of \$90 million by 2010...

Pliant is back in bankruptcy—three years later

Schaumburg, IL packaging producer Pliant Corp. filed a "prepackaged" Chapter 11 bankruptcy reorganization plan, returning to bankruptcy court less than three years after emerging from its last term in Chapter 11...

Maine lawmakers listen to debate over bottled water bill

Maine state legislators heard hours of testimony on the first of several bills inspired by recent flare-ups between water bottlers and local residents concerned about the long-term sustainability of their water supply. Among them is Measure LD 238, a direct response to a controversy over Poland Spring's attempts last year to purchase up to 250,000 gal of water a day...



industry happenings

Visit www.packagingdigest.com/toc-events to find a comprehensive list of packaging events happening around the world.

INTERPHEX 2009

March 17-19, New York City

PMMI Operations Conference

March 17-18, Tampa, FL

Ipac-IMA 2009

March 24-28, Milan, Italy

SNAXPO 2009

March 29-April 1
Orlando, FL

FBA 2009 Annual Meeting

March 30 - April 1
Washington

Free eNewsletters give you the competitive edge

Want to go further in your profession? Get the latest packaging news, technologies and trends delivered to your email inbox daily. Our eNewsletters bring you information on a wide range of specialized topics, and they're FREE to packaging professionals. It's quick and easy to sign up, and you can stop them at any time. Subscribe today!

www.packagingdigest.com/subscribe.asp



Industry Leaders

In a partnership with top suppliers, packagingdigest.com introduces the **Industry Leaders** module. When you conduct story searches, this tool offers links to the partners' microsites for further information on the topics being explored in the story. Industry Leaders then delivers direct links to relevant products and services data from our microsites without leaving packagingdigest.com.

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 DeBalko, President, Business Media, John Poulin, Senior Vice President, Finance. PACKAGING DIGEST copyright 2009 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: submail@reedbusiness.com. Rates for non-qualified subscriptions, including all issues: USA, \$132.99 1-year, \$158.90 2-year; Canada, \$177.99 1-year, \$228.90 2-year (includes 7% GST, GST#123397457); Mexico, \$163.99 1-year, \$210.90 2-year; foreign surface, \$250.99 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.

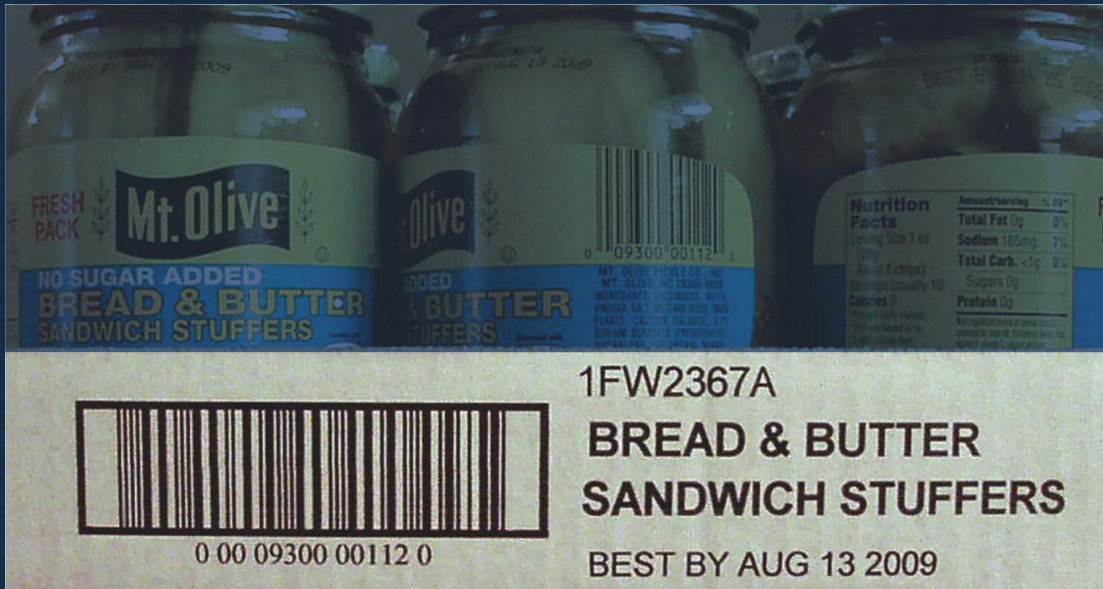
Vol. 46 No. 3

CHEP –
PRESERVING THE ENVIRONMENT
AND YOUR BUSINESS.
ONE PALLET AT A TIME.



With the help of its customers, in one year alone CHEP was able to save 8 trillion* BTU's of energy. To see just how, and to calculate how CHEP can enhance your revenue stream and environmental profile, visit CHEP.com/onepallet.

© 2008, CHEPUSA. All Rights Reserved. *Study by Franklin Associates. Based on 2007 total CHEP network volume versus one-way whitewood.



NO ONE ELSE CAN MATCH OUR NEW CASEJET™ MVP COMPLETE CASE CODING SYSTEMS

- ☐ Clean and reliable HP thermal inkjet technology for consistently high-quality barcodes
- ☐ Rugged enclosures and mounts protect printheads and controllers from dust, moisture, vibration
- ☐ Easy-to-use software and single buffer mode ensures right message goes on right case
- ☐ Unique adjustable printhead mount for scannable barcodes every time
- ☐ Ink management system that cuts ink waste and downtime
- ☐ Built-in serial, TCP/IP and OPC interfaces for simple integration
- ☐ Economical entry-level MVP system and more powerful MVP Plus and MVP Pro
- ☐ More uptime and fewer rejects give MVP systems the lowest total cost of ownership in their class

RSI - Your best source for reliable inkjet coding systems

Call us today!

1-866-PRINT HP (1-866-774-6847)

8345 Beechcraft Ave. Suite J
Gaithersburg, MD 20879

sales@rsipro.com
www.rsipro.com

Promo code: casejet4u_pd