



CONVERTING:
Shrink labels suit
the Moose. **p. 60**



AUTOMATION:
Palletizer does double duty
for dairy. **p. 46**



DESIGN: Wrigley
expands the Doublemint
brand. **p. 6**

 Reed Business
Information®

April 2006

PACKAGING DIGEST®

www.packagingdigest.com

Flexibles' versatility

Shapely pouches reign **22**

Tracing trends in flexibles **40**

Stick packs sock it to 'em **54**



www.packagingdigest.com/whitepaper
White Papers
see page 72

Small Packagers, It's Love At First Sight!

You gotta love these ALL-FILL Volumetric Cup Fillers. They're so basic and low cost, they provide you with reliable dry product cup filling at "bare bones" expenditures.

We've taken the designs of these fillers back to simplicity itself. The VC-100-2 is an extremely easy to operate basic, semi-automatic cup filler designed for low cycle, dry granular filling applications (seeds, candies, snacks, popcorn, gravel and other dry products). It is the perfect answer for the small packager ready to take that first step toward automation. The VC-SV-4 provides an attractive

and accomplished step-up to fully automatic operation. Both fillers incorporate the same rugged stainless steel construction that has distinguished ALL-FILL fillers for over 37 years. Both offer simple low cost solutions to the entrepreneur.

Call today for full details at 1-800-All-Fill, or visit us at www.all-fill.com



MODEL VC-SV-4

The automatic, 6-station Model VC-SV-4 is a servo driven machine for ultimate filling accuracy. It features a touch-screen operator interface and can fill up to 60 cups per minute.



MODEL VC-100-2

The semi-automatic, 2-station Model VC-100-2 is designed for dependable low cycle operation. It features a 2 cu. ft. hopper and "tool-less" cleaning.

ALL-FILL
All Performance... All The Time

418 Creamery Way • Exton, PA 19341 U.S.A.
1-866-ALL-FILL • Fax: 610-524-7346
info@all-fill.com • www.all-fill.com

With easy integration and startup—**SINAMICS**, that's my drive!

sinamics DRIVES

Exclusively from Siemens, the new SINAMICS® drives family is an exciting development. Available in a variety of sizes and horsepower, these innovative drives are simple to start up and designed for easy integration.

There's a drive to address nearly every application, whether it's simple or sophisticated. Plus, the entire SINAMICS drives family shares a common programming software, platform and interface—so to know one is to know them all. With this combination of state-of-the-art features and benefits, this is one family you'll be glad to know.

For more information about SINAMICS and other Siemens products, call, e-mail or visit our web site.

SIEMENS

PACKAGING DIGEST®

APRIL 2006 / VOL. 43 NO. 4

www.packagingdigest.com



22



34



50



54

features

22 Flexible Packaging Achievement winners go for the gold

Convenience, technical expertise and shapely new options mark this year's flexible packaging awards competition, with 12 top winners, including 11 Golds and one Highest Achievement.

34 Blister-packs are the Rx for physician's samples

Sanofi-Aventis' new packaging line produces two-unit blister-packs of Ambien sleep aid supplied to physicians to hand out as samples.

40 Packages flex their innovation muscles

The latest trends in flexible packaging will be showcased at PACK EXPO Intl. in late October by some of the key players in the U.S.'s \$21.3-billion industry.

54 Stick-packs do the trick for tea

A popular choice for a growing list of applications, stick-shaped pouches at 4C Foods are produced on a vertical form/fill/seal machine that runs flavored teas.

58 Shrinkable labels for milk burst onto the scene

Exciting, gravure-printed sleeve labels for bottles of North American Beverage's milk drink line Mega Moose hit store shelves with a bang.

new technology

46 Automation & Controls

Robotic palletizer does double duty

Guida's Milk & Ice Cream's speedy new system loads a wide range of case sizes on two pallets simultaneously.

50 Smart Packaging

Optically variable safeguards

Spain's Domecq Bodega and China's Hongta Group rely on optically variable devices to protect against counterfeiting.

web exclusives

Flexible Packaging Award Silver winners

A whopping 24 entries received Silver awards in the 2006 competition, which can be viewed at www.packagingdigest.com/info/silver

White Papers at www.packagingdigest.com!

Visit Packaging Digest's Resource Center at www.packagingdigest.com/whitepaper, bookmark the address, and keep coming back! The Resource Center offers White Papers that cover many areas of packaging, including radio-frequency identification (RFID), automation, smart labeling, package handling and sensors, to name a few. Also visit Packaging Digest's Information Channels, where newly uploaded White Papers are featured at the top of each Information Channel page. White Papers can be uploaded to the site for FREE at www.packagingdigest.com/upload.



Related Reed Business Information websites

CONVERTING

www.convertmagazine.com

CONTROL
ENGINEERING

www.controleng.com

Food
Manufacturing

www.foodmanufacturing.com

Logistics
MANAGEMENT

www.logisticsmgmt.com

MODERN
Materials Handling

www.mmh.com

Pharmaceutical
processing

www.pharmpro.com

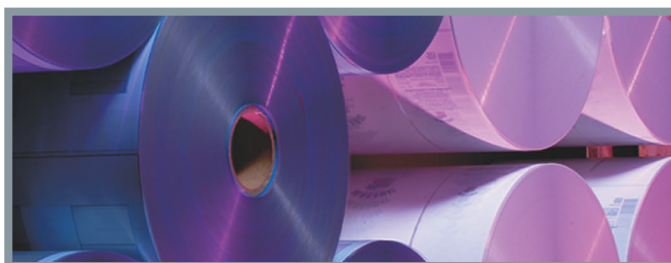
Purchasing

www.purchasing.com



Shrink Goes Green

Environmentally friendly corn based film



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. Let us provide you with a free quote. **Call: 800.630.2413**

- Renewable Resource
- Low Initiation Temperature
- High Surface Tension
- FDA-Direct Food Contact
- High Shrink Properties
- Superior Scratch Resistance
- Excellent Ink Adhesion



- Short Lead Times
- Unparalleled Quality and Service
- Complete Project Management
- Innovative Label Solutions

Advanced

BAGGING TECHNOLOGY

Pre-Opened Bags on Rolls

- Stock
- Custom
- Printed

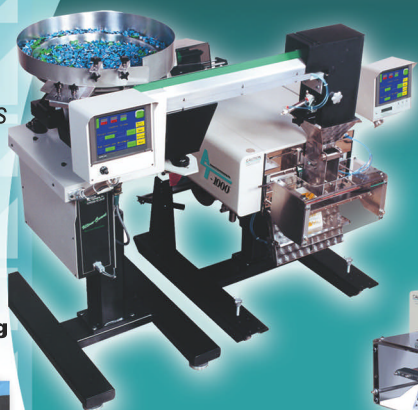
Ultra-Series™

- Counters
- Scales
- Infeed Conveyors

Packaging Products Catalog II



T-375 Automatic Tabletop Bagger/Printer
"Next Bag Out"
• Thermal printing: "Next Bag Out"



T-1000 Advanced Poly-Bagger™
• High-speed bagging
• Thermal printing



Advanced Poly-Packaging, Inc.

www.advancedpoly.com

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

Visit us at EastPack Booth# 4439

PACKAGING DIGEST

APRIL 2006

www.packagingdigest.com

departments

6 Design Trends

Packaging that stands out.

12 Comment

The flex-pack market keeps growing.

14 New Products Spotlight

Controls & Inspection

16 New Materials Spotlight

Paper & Paperboard

20 Legal Impact

FDA guidelines vs. regulations

46 Technology Updates

Automation & Controls and Smart Packaging

58 Package Manufacturing

64 Sample It!

66 Info Showcase

68 Marketplace

71 Ad Index, Newsmakers

72 OnPD.com

staff

Editorial/Production Offices

CHICAGO

2000 Clearwater Dr., Oak Brook, IL 60523

630/288-8000 Fax 630/288-8750

e-mail: packagingdigest@reedbusiness.com



Mary Ann Falkman



Lauren R. Hartman

Mary Ann Falkman, Editor

630/288-8748

mfalkman@reedbusiness.com

Lauren R. Hartman, Senior Editor

630/288-8749

lhartman@reedbusiness.com



Anne Marie Mohan



Jack Mans

Anne Marie Mohan, Senior Editor

630/288-8746

amohan@reedbusiness.com

Jack Mans, Plant Operations Editor

630/288-8747

jmans@reedbusiness.com



Kevin Campbell



Grant Gerke

Kevin Campbell, Associate Editor

630/288-8743

kjcampbell@reedbusiness.com

Grant Gerke, Web Editor

630/288-8744

ggerke@reedbusiness.com

Bernard Abrams, Contributing Editor, BernieAbrams001@aol.com

Eric F. Greenberg, Legal Editor, efgreenberg@uhlaw.com

Pauline Covell, European Editor, mediapack@btinternet.com

Lora Lee Gelles, Art Director, lgelles@reedbusiness.com

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

Quentin Brown, Production Manager, 630/288-8433, qbrown@reedbusiness.com

Rose Logusz, Classified Production, rlogusz@reedbusiness.com

Mary Ann Brockway, Ad Services Coord., mbrockway@reedbusiness.com

Tad Smith, CEO

Jeff Greisch, President, Chicago Division

John Poulin, Senior Vice President, Finance



Steven Reiss



Bob Heitzman

Steven Reiss, VP, Publishing Director

630/288-8807

sreiss@reedbusiness.com

Robert Heitzman, Publisher Emeritus

630/288-8735

rheitzman@reedbusiness.com

Building relationships one case at a time

When you choose Brenton Engineering for your case packing, palletizing, shrinkwrapping or robotics, we deliver more than just machinery, we deliver world-class customer service and after-sales support. Brenton sales engineers stand ready to help you every step of the way, from concept to completion.

Contact Brenton Engineering today for a free product CD showcasing Brenton's complete line of packaging machinery.

Depend on Brenton for:

- Detailed Manuals
- Machine Modifications
- In-Depth Training
- Preventative Maintenance
- Service Hotline

Brenton
ENGINEERING

a division of Pro Mach

1.800.535.2730

case

shrink

robotic

palletizing

Phone: 320.852.7705 Fax: 320.852.7621

www.BrentonEngineering.com



FLEXIBLE PACKAGING ASSOCIATION



Photo-Quality Digital Label Printer



For short-run printing of private label and personalized product labels, the Vivo! digitally prints labels in 600 dpi CMYK color up to 8.3" wide. Cost-effective for production quantities up to 15,000 labels per batch, the Vivo! prints at a speed of 2 linear inches per second. The Vivo! is a toner-based electrophotographic printer, similar to a laser printer, and prints onto paper and synthetic label materials. Custom QuickLabel® software and Windows® driver are included with each purchase.

For more information visit:
www.QuickLabel.com or call 877-757-7978.

Fastest Color Label Printers



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

For more information visit:
www.QuickLabel.com or call 877-757-7978.

Mid-Range Color Label Printers



Instantly print labels with variable content graphics, barcodes, and text in three or two colors instead of four. Built to print thousands of labels per day, the QLS-3000 Xe digitally prints onto labels, tags, and other flexible rollstock in three Spot Colors or CMY Process Color mode at 300 dpi. The QLS-2000 Xe prints in two Spot Colors at 300 dpi.

For more information visit:
www.QuickLabel.com or call 877-757-7978.

New! Fastest Barcode Label Printer



The Pronto! 500 may be the fastest label printer on the market, printing single-color labels at a "true speed" of 2-15 linear inches per second. High-quality graphics are optimized by Custom QuickLabel® software, included with purchase. Comes with Lifetime Warranty, QuickSwap™ Parts Repair Service, and 24-hour Customer Support. The Pronto! printer family includes mid-range, wide-format, and high-resolution models.

For more information visit:
www.QuickLabel.com or call 877-757-7978.

Custom Printing Services



QuickLabel offers two custom label printing services. The QuickPrint service, with fast turnaround and low minimum order quantities, prints your labels using QuickLabel's own digital printers. The QuickFlex service prints your labels with a variety of finishing options on 8 and 6 color flexographic presses.

For more information visit:
www.QuickLabel.com or call 877-757-7978.

Label Printing Supplies



QuickLabel® develops and manufactures labels, toner, and thermal transfer printing ribbons for our own brand printers and for every label printer on the market. Our labels are available in thousands of sizes and shapes and in dozens of paper and synthetic material types. We offer personalized application guidance and we guarantee delivery to meet your custom needs.

For more information visit:
www.QuickLabel.com or call 877-757-7978.

You need 5,000 custom labels?

This afternoon?

No Problem!

With the new Vivo! "short" run digital label printer, you'll print labels in the quantity and quality you need, at a price you'll like. Need flexible production of photo-quality labels with private label logos and artwork? You can print more than 1,000 good-sized labels an hour with the Vivo!, at an attractive cost per label. Is electrophotographic label printing fast? Yes. Will labels fade? No. Can labels stand up to chemicals and moisture? You bet. At last, the photo-quality labels you want when you need them.

QUICK LABEL SYSTEMS

www.QuickLabel.com • 877-757-7978

The Labels You Want When You Need Them

design trends

PP flip-top debuts Wrigley mints

In what it bills as the first Doublemint brand debut in more than 90 years, the Chicago-based Wrigley Co. is massaging the mint market, rolling out Wrigley's Doublemint™ Twins® nationwide. The flavors are Mintcreme and Wintercreme, each blending two flavors in one mint, with each mint decorated with the double-arrowhead Doublemint logotype.

The package, holding 37 mints with a suggested unit retail price of 69 cents, is a clarified polypropylene rigid container decorated with a full-body shrink label. The label, along with carrying over a trademark previously limited to Wrigley's chewing gum, also covers part of the integrally hinged flip-top, serving as a tamper-resistant feature. Wrigley doesn't discuss specs for the package or its suppliers. Its marketing director, Shari Matras, does tell PD that the "sleek, convenient flip-top package is slim enough to fit in a pocket. The rounded, ergonomic shape provides smooth, easy handling for sharing with others."

The marketer says the packages will be merchandised through unique modular displays in convenience, grocery and drugstores. The introduction will be supported by an integrated marketing campaign, including TV, print and out-of-home advertising, in-store shelf talkers and other means—exactly what might be expected for a debut that happens every 90 years or so.



Packets-in-pouch are sweet for dried fruit

Sunsweet Growers, a Yuba-City, CA-based, grower-owned marketing cooperative representing more than two-thirds of the prune market worldwide, has launched Smart Snack Packs® of dried Mediterranean Apricots, Premium Thailand Mangoes and Dried Plums (pitted prunes) in a glossy, metallized film standup pouch that holds six to eight mini film packets of dried fruit. The 6-, 6.1- and 8-oz, side-gusseted pouches features brilliant green, orange or purple color-coded, six-color graphics created with assistance from Oakland, CA-based designer **Blind Mice Studio Design Group** (www.blindmicestudio.com). A clear film window on the back panel of the outer pouch—the only area devoid of printing on the entire package—reveals the packets inside. The back panels are also printed with detailed product information and nutritional information. The pouches' front panels incorporate a navy Smart Snack logo, a sunny yellow Sunsweet brand logo on an illustration of the packet and the phrase, "6-pack" or "8-pack" in large navy and yellow lettering. Available across the U.S., the proprietary packaging is produced in China.

Eco-friendly packaging is a 'shoe-in' at Timberland

Outdoor shoe company Timberland is launching new packaging for its shoes aimed at providing new levels of transparency with regard to environmental and community impact. Featuring a so-called "nutritional



label," the packaging, launched in stores beginning in 2006, is designed to provide consumers with a new information guide to aid them in the purchasing process. The labeling describes the product, including where it was manufactured and how it was produced, and lists the name and location of the factory, while its effect on the environment is noted in terms of how much of Timberland's energy is generated from renewable resources such as the sun, wind and water. The reusable footwear boxes are made of 100-percent post-consumer-recycled waste fiber, use water-based solvents in place of chemical glues and are printed with soy-based inks. Timberland will also place messaging inside the box, asking consumers, "What kind of footprint will you leave?" as an incentive to take environmental action within their own community. Each of its outdoor performance

shoe pairs also comes in a reusable "take-in, take-out" biodegradable waste bag to be used on the trail. Children's footwear includes tissue wrap that educates kids about birds and animals in the woods. Links on timberland.com will help consumers find local or national groups and then print shipping labels.

Skoal Bandits packs update for summer

U.S. Smokeless Tobacco Company (USSTC) says it will launch new and improved Skoal Bandits® moist smokeless tobacco (MST) in canned pouches this August. Replacing the existing Bandits line, the new Skoal Bandits will be sold in Mint and Wintergreen flavors. Twenty compact pouches of the new and improved Skoal Bandits, featuring 100-percent American-grown tobacco, will be contained in the brightly decorated, beveled polypropylene cans from **Evco Plastics** (www.evcoplastics.com), along with USSTC's advanced Flavor Flow™ pouch paper, to provide a more satisfying experience than the original. The sleek can and lid, printed in blue and green color schemes, are getting a facelift as well to correspond with the

new flavors. The cans will be stamped with a "guaranteed-fresh-until" date (which means the product stays fresh for several weeks). The metal lids will be stamped and embossed in-house with the Bandits logo, and are produced by USSTC.





INTRODUCING PATENT-PENDING ENVIROSHELL™, AVAILABLE THROUGH A STRATEGIC ALLIANCE BETWEEN SMURFIT-STONE AND WINTERBORNE, INC., packaging that's so attractive, it can make the entire planet look better. That's because, unlike traditional clamshell packaging, EnviroShell™ is made from 65% recycled material. This innovative construction results in a package that's both environmentally friendly and easy to separate for disposal and recycling purposes. But the environment isn't the only thing that will be looking better than ever. In addition to being more economical than traditional two-piece blister packs, EnviroShell's adaptability allows for specialty printing and the elimination of clamshell packaging glare. To find out more about how much better your brand – and our planet – will look in an EnviroShell package, **CALL 1-630-794-0318 OR VISIT www.enviroshell.info TODAY.**

**GOOD PACKAGING
EXTENDS THE LIFE OF
YOUR PRODUCT. GREAT
PACKAGING EXTENDS THE
LIFE OF OUR PLANET.**



WE SEE INNOVATION

design trends

Shaped topical applicators go to the dogs...and cats

Consumers with mixed-pet households are the target of new, shaped applicators containing flea and tick topicals for cats and dogs from Wellmark Intl., Schaumburg, IL. Fanciful and functional, the new Pet Specifix™ thermoformed applicators use a dog-bone shape for canine treatments, while feline products are marketed in cat-head-shaped applicators.

"Dogs and cats have different needs, especially when it comes to flea and tick control, and applying the wrong

product can be harmful to a pet," says Dr. Jordan Siegel, Wellmark technical services veterinarian. "Some people are too busy to read the labels, or they simply get products confused, particularly if they have more than one dog or cat in the home. It's an extremely important issue that previously has not been adequately addressed."

The packaging, launched in pet specialty stores this year, adds new convenience to Wellmark's Zodiac® Spot On® Flea & Tick Control products, which have been



available

since 1997. In

addition to the visual cues provided by the unique shapes, products are also color-coded—a feature carried over from previous packaging—to indicate pet weight ranges. For example, products for dogs from 31 to 60 lb use blue packaging, while applicators for small dogs, 16 to 30 lb, are red. In addition, the new, longer, Accu-tip dispenser allows for easier product application for long-haired pets.

Credit for the distinctive, shaped packaging goes to the Zodiac marketing team and Wellmark's in-house engineering staff, which Roy Brown, group manager, manufacturing technology and quality for Wellmark, says teamed up to develop the shapes and present models created by stereolithography to focus groups to gauge market acceptance. "Challenges in creating the packages included incorporating the feedback of the focus groups into something that could be manufactured at a cost that is consistent with what the consumer is willing to spend," Brown notes.

While supplier and material information for the thermoforms is proprietary, Wellmark says the 2-cc applicators are filled at its Dallas facility using an existing pump system that dispenses an accurate dose to each tray. The thermoforms are then sealed with a foil lid that is printed with product and warning information. A secondary carton holds four thermoforms, joined via a perforation, for a four-month supply.

Graphics for the seven varieties of topicals (four for dogs, three for cats) were redesigned with the new applicator and include a "landscape" presentation, rather than the previous packaging's "portrait" design, says Brown. The SBS carton, supplied by **Southern Champion Tray** (www.sctray.com), incorporates a false back that pushes the product forward so that the shaped applicator is clearly visible through a matching, shaped die-cut window.

According to Tony Schultz, Zodiac brand manager, reactions to the new Pet Specifix applicators have been "overwhelmingly positive."

Zodiac Spot On Flea & Tick control products are priced from \$6.99 to \$15.99, depending on retailer and product variety.

OLD

V S .

NEW



CONTINUOUS INK JET CODING

- messy inks and toxic solvents
- prints that smudge and are easily removed
- high maintenance and unplanned downtime
- complex setup with little flexibility



SMARTLASE® LASER CODING

- clean and safe operation with no consumables
- immediate, crisp and permanent codes
- reliable and productive; little or no maintenance
- simple operation and ease of integration



Continuous ink jet coding was a good idea at the time.

But times change, and so does technology. And that's where our SmartLase® laser coder comes in. It delivers crisp, clean codes with none of the mess, maintenance, or hassle of continuous ink jet coders. Of course, SmartLase coders are built with all the reliability you expect from MARKEM, for greater uptime and lower operating costs. **Learn more at www.markem.us/smartlase, or call us at 866-263-4644.**

MARKEM

Shrink Labelers and Shrink Tunnels



Rotary Shrink Labeling Machines

packaging rates up to
1,800 c/min

In-line Shrink Labeling Machines

packaging rates up to
700 c/min



Shrink Tunnels, Conveyors and Steam Generators



New Shrink Labeler — "Silver Bullet"

www.nafm.com



949-388-6371

5753-G Santa Ana Canyon Road
#306 • Anaheim, California 92807

design trends household products



Twin-pack carrier gets a handle on cleaner

OrangeGlo Intl. selects a new TwinKlip two-pack carrier from **PakTech** (www.paktech-opi.com) for its 32-oz spray bottles of its Oxiclean Miracle Foam Every Day cleaner. Introduced last spring, the new cleaner package is available at Costco clubstores and other retail outlets. OrangeGlo says it chose the unitizing bottle carrier because it recognizes the consumer convenience and says TwinKlip is "an infinitely more sustainable form of packaging than shrink bundling." The cost-effective handles, injection-molded of high-density polyethylene specifically for spray-bottle applications, are designed to perform under rigorous conditions throughout the supply chain. They make the bottle twin-pack easy to grab and easy to remove. They can be applied either by hand or with automatic equipment from PakTech. The new TwinKlip as well as 3Klip and QuadKlip are available commercially in various sizes.



Revised rope packs relieve the hangups

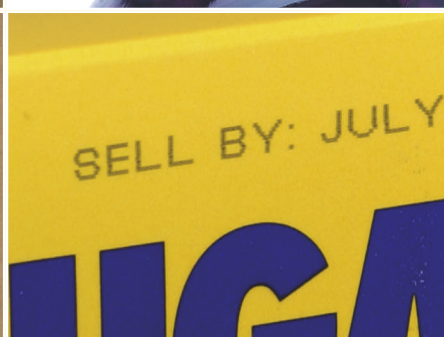
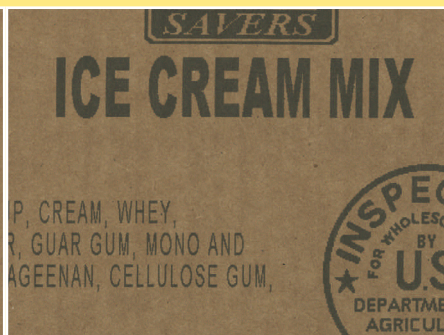
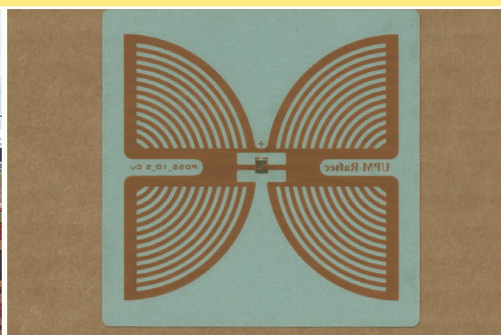
Nowhere is the selling environment more of a tie-up than in big-box stores. Creating a package for cordage, otherwise known as rope, that can fit within the shelves of a Home Depot store but won't end up swinging in the wind, is a challenge, but carries a measurable payoff for Wellington, Inc.'s cordage products. For packs that stand out in a warehouse setting, design firm **Proteus Design** (www.proteusdesign.com) re-envisioned the entire rope product category. The products are typically sold in film bags labeled with product length and weight limits that may not be easily understood by everyone. To make it easy to distinguish differences not only between brands, but also between the various products, Proteus assisted with a complete facelift. Wellington had light, medium and heavy-duty rope categories. Color coding them with a "good/better/best" display encouraged trading up. Each new package includes a photo of the rope in use and a multipurpose Velcro® strap to hang the product at home as well as in-store, which keeps the brand name in view at all times.

The new packaging also includes a large paperboard face label that clearly states each product's purpose, which together with the strap, really changes the way the cordage category is marketed at point-of-sale. The new packaging makes it possible for consumers to determine which rope suits their needs. The results of the new approach have gained more shelf space. Wellington's spool-like packaging allows consumers to neatly store the rope and to cut off the desired length needed, while the remaining rope is left neatly in the original package. An updated logo and tagline, "The Rope Authority," demonstrate to consumers Wellington's category-leader position.

The flexo-printed paperboard labels include one for marine cordage, comprising an .018 paperboard laminate, while hardware cordage features a .020 C1S paper label with an aqueous coating. The packaging, which serves more than 400 stockkeeping units, is produced by various sources in Asia, Mexico and the U.S.

World Class Systems. Real World Solutions.

RFID • **Marking & Coding** • **Labeling**



A Package Is Really A Billboard When It Has **375% More Impact.***



*Now you know: Brand graphics on a 12-pack are 375% larger than on individual bottle labels.

How is a great package like a great ad? It gets a consumer's *attention*, spotlights a product's *appeal* and (most importantly) spurs a shopper's *action*.

When is a great package better than a great ad? When the unmatched presentation and persuasive powers of Coated Natural Kraft® make it jump off the shelf with “wow factors” that shrink-film can never offer – crisply printed graphics for 360° display, special finishes like embossing and foils, and convenient carry handles. (Remember, 70 percent of purchase decisions are made at point-of-sale, so stopping shoppers in the aisle is a must.)

Visit www.coatedboard.com to see how CNK® paperboard can transform your packaging from run-of-the-mill boring to bold-as-a-billboard exciting!

CNK
COATED NATURAL KRAFT

WWW.COATEDBOARD.COM

MeadWestvaco Coated Board, 1000 Broad Street, P.O. Box 520, Phenix City, Alabama 36868-0520

Tel: 334-448-6323, Fax: 334-448-6482, Email: coldfacts@meadwestvaco.com

MeadWestvaco

COATED BOARD

Safety seal enforcer.



- FDA-approved method of tamper evidence
- Most industry-wide experience
- Custom induction sealing head designs
- Validation assistance

Call for guaranteed solutions.

 **enercon**

www.enerconind.com/sealing

262-255-6070 ■ info@enerconind.com
Smart Choice. Success Guaranteed.

comment

Mary Ann Falkman, Editor



Flexibles continue to grow, innovate

The term almost begs for a pun: Flexible packaging materials continue to encroach upon other materials because of their flexibility, versatility and, in some cases, economics. Proof of that fact can be seen in the winning entries in the **Flexible Packaging Association** (www.fpa.org) Achievement Awards, starting on page 22. At the recent annual meeting of the FPA, the presentation of the "2006 State of the Industry" showed yet again the broad scope and global reach of the flexible packaging market.

As the second-largest materials segment in packaging, at 17 percent of the total market (corrugated is the largest, at 26 percent), flexible packaging has been growing at an average 3.2 percent per year from 1996 to 2005, although last year, the increase was 3.6 percent over 2004—just a tiny bit higher than the growth of the U.S. GDP. North America and Western Europe account for the two largest markets, at 29 percent each, followed by Japan and Asia at 13 percent and 14 percent, respectively. Latin America and Eastern Europe weigh in at 6 percent and 3 percent each. By far the single-largest market segment for flexible packaging is retail food, at \$10.4 billion and 47 percent of total flexibles. Retail nonfood, at \$3.3 billion and 15 percent, ranks a distant second.

According to the "State of the Industry" report, the industry outlook is generally optimistic but wary. Optimism is tempered by concerns over raw materials costs and uncertainty in the economy. However, expectations for this year are a 6-percent to 7-percent increase in sales revenues and a 7-percent to 8-percent increase in volume. Looking further ahead, the forecast shows a 5-percent to 6-percent increase in revenue, and slightly more than that in volume, over the next three to five years.

A recent study from **Freedonia Group** (www.freedoniagroup.com) is even a bit more optimistic. "Converted Flexible Packaging" predicts that demand will increase by more than 4 percent per year to \$14.4 billion by 2009. The study's analyst attributes this growth to cost, performance and source-reduction advantages over most rigid packaging formats. Heightened barrier performance in many markets will drive increased demand for value-added materials to enhance shelf life or product protection. Technological advances such as breathable films and resealable standup pouches (both in evidence in the FPA awards), as well as manufacturers' needs for higher-performance packaging with enhanced graphics capability, will also spur growth. The study points to pouches, in particular, as the best opportunity, with that demand rising 6.6 percent per year to \$5.8 billion by 2009. Gains in the food market will slightly outpace other market segments because of increased demand for convenient packages. The fastest advances are seen in produce, meat and related products and beverage applications.

Overall, not a bad outlook. Flexible packaging is looking good.

Mary Ann Falkman

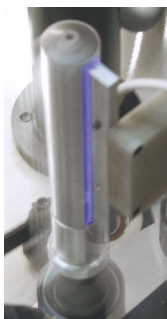


Surface Treatment That Stands Out From the Crowd!

Plasma-Dyne™ – The New Solution for Your Tube and Cup Treating Applications

Tube and Cup Manufacturers, take note – Corotec's new Plasma-Dyne™ turns the heat off to eliminate the distortion, safety hazards and product damage associated with flame treatment. And, the Plasma-Dyne™ system eliminates heat sealability problems that can plague other 3-D surface treating systems.

We're leading the way with customized corona treating solutions for a world of applications. **Call us today – we'll help you stand out from the crowd.** At Corotec, it's made to order, made for you.



COROTEC
CORPORATION

Partnering in Corotecology – Preparing Surfaces for Printing – Preparing Customers for the Future

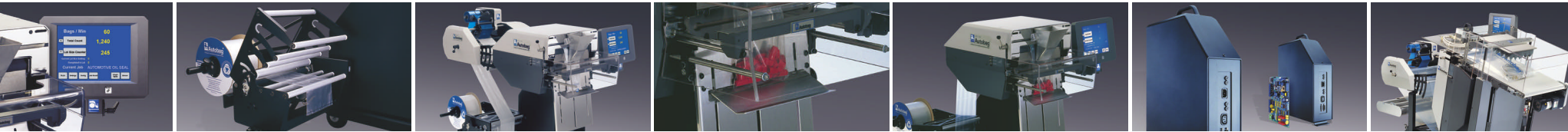
Corotec Corporation 145 Hyde Road, Farmington, CT 06032-2834
 Tel. (860) 678-0038 Fax (860) 674-5229 1-800-423-0348 www.corotec.com



Autobag®

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

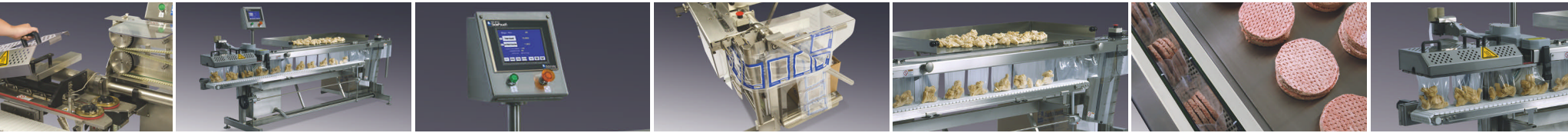
The original bag-on-a-roll packaging materials and systems



SidePouch™

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

Innovative bagging systems for high-productivity applications



AirPouch™

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

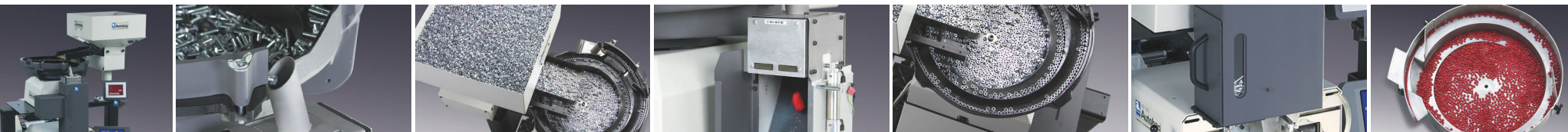
Versatile, benchtop air pillow systems for void-fill and protective packaging



Accu-Count®

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

Automatic, high-speed counters



Accu-Scale®

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

High-accuracy scales and weigh-counting systems



DuraClear™

A PRODUCT OF AUTOMATED PACKAGING SYSTEMS

Premium, system-matched packaging materials, guaranteed-to-run



The Brands of Automated Packaging Systems

You know us. We've been a pioneer in the packaging industry for more than 40 years. We are the inventors of the original Autobag® bag-on-a-roll materials and bagging systems. Today, we design and manufacture a full line of automated packaging systems, including void-fill systems, infeeds, imprinters and custom engineered solutions to meet the unique requirements of our customers.

We'd Like to Build a Solution for You

If your product can be packaged in a bag, we'd like to show you how our bagging systems can increase your productivity and reduce your costs. Call us to discuss your application. For bags, bagging systems, and world-class technical support, no other company can deliver the breadth of products and services that we can.

We are Automated Packaging Systems. Call today at **888.288.6224** or visit us on the web at **www.autobag.com/pd**.



Automated
PACKAGING SYSTEMS

new products spotlight

Metal detector/separators Developed for both magnetic steels and nonmagnetic metals is a series of metal detectors and detector/separators. Models are specifically designed to monitor free-flowing, gravity-fed products, pneumatically-conveyed materials, products on conveyor belts and even liquids, pastes and slurries in pipes. Detector-separators use electronic sensors and air-powered rejection systems to remove contaminants quickly and minimize product loss. Sensitivity is adjustable, and a programmable effect compensation feature suppresses false signals caused by product or by nonmetallic particles, the co. reports.

Bunting Magnetics Co., 800/835-2526.
www.buntingmagnetics.com



Inspection system The Optyx® SG is a high-speed, automatic, optical-inspection system for softgel capsules. Designed to detect and remove defective and foreign capsules from the product stream, the device verifies color, size and shape to ensure that every capsule conforms to product specifications. Further, the co. notes, with ultra-high-resolution, 0.17-mm-sq pixels, it reliably detects and removes foreign capsules as well as the smallest color and shape defects, including air bubbles and stained and misshapen capsules. Using two- and four-camera formats, the system has a series of air jets spaced 6 mm apart that pinpoint and remove the defective object at speeds to 900,000 softgels/hr, the co. says. The system is designed to meet FDA requirements and comply with GAMP 4 guidelines.

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

AUTOMATIC WEIGHING AND COUNTING EQUIPMENT

Your Product, Your Container, Our System

The rugged, overbuilt qualities of Ohlson Packaging systems ensure maximum production uptime. Guaranteed.

Whatever your company produces, Ohlson Packaging has a system that can automatically weighcount:

- Frozen Foods
- Candy
- Produce
- Bakery Items
- Hardware
- Pharmaceuticals
- Vitamins
- Automotive Products
- Electrical Components
- Plastic and Wooden Parts
- Animal Products
- And much, much more!

For more information on our extensive line of netweighing and weighcounting machines, call us today at 877-668-7800, or visit our web site:

www.ohlsonpack.com

Shown: Weighscale Model 2-M-2

OHLSON
FAST • ACCURATE • PROVEN

490 Constitution Drive • Taunton, Massachusetts 02780
Fax: (508) 977-0007 • E-mail: info@www.ohlsonpack.com

ATLANTA, GA • BOSTON, MA • CHICAGO, IL • CINCINNATI, OH • DALLAS, TX
EDISON, NJ • MIAMI, FL • CHEYENNE, WY • GREENSBORO, NC • PHILADELPHIA, PA



Vision sensor The In-Sight® 5400R is a remote-head camera vision sensor said to be ideal for applications where mounting space is limited or where a lightweight camera is required. About the size of a C-cell battery and weighing less than 2.5 oz, the sensor comes with a processor that can be mounted up to 49 ft away, connected by cable. Meeting IEC specs for shock and vibration and achieving an IP67 (NEMA 6) rating to withstand dust and washdown, the sensor is said to be ideal for moving applications mounted on the end of a robot arm, on a gantry or on a positioning stage.

Cognex Corp., 877/264-6391.
www.cognex.com

AQUASol™
Water Soluble Compounds

Our innovations

improve your film and packaging applications.

At A. Schulman, we have the solution for all of your film and packaging application needs. Our innovative additives and compounds enhance performance and add value.

AquaSol is a unique water-soluble polymer that can be converted into a film structure having general properties of a PE film or an injection mold part. Using our



combined expertise in both polymer compounds and additives, A. Schulman has created an innovative solution that can be used in the direct extrusion of film and injection molding applications.

Ideal applications include bags used to transport soiled medical laundry to the washing machine without physically touching the soiled contents, as well as packaging for pre-measured chemicals and detergents.

The unique feature of such an innovation allows the polymeric film or injection molded part to completely dissolve in cold or hot water.



:00 Seconds



:30 Seconds



:60 Seconds

Innovations like these come from our dedicated Product Technical Center.

There, we have the people, equipment and resources to invent the future one application at a time. Contact us to talk about your latest application challenge. Our innovative solution could be your next big success.



A. Schulman
COMPOUNDING YOUR SUCCESS™

3550 West Market Street Akron, Ohio 44333 800 54 RESIN www.aschulman.com

CLARIX®
The Clear Choice
IN IONOMER RESINS

Clarix resins offer superior performance in clarity, seal, and directional tear properties for the packaging industry. Excellent chemical and puncture resistance give added benefits to your packaging requirements. Clarix resins will readily bond to foil, textiles and paper substrates, and the melt strength properties of Clarix will also benefit your film processing.

We also offer Clarix products that have added packaging benefits such as low oxygen and air permeability. Additives, such as UV inhibitors, release, and slip agents can be incorporated to help solve your packaging challenge and improve performance.

Contact A.Schulman with your packaging needs, and we will work with you to optimize packaging performance and increase your efficiency.



More Innovative Products for Your Next Application from A. Schulman

Formion® Formulated Ionomer Compounds	Invision® Thermoplastic Elastomers	Polyvin® Flexible Thermoplastic PVC Compounds	Polyfort® Polypropylene, Polyethylene, EVA Compounds	Schulamid® Filled and Unfilled Nylon Compounds	Polytrope® TPO (Thermoplastic Olefins)	Polyaxis® Rotational Molding Compounds	Polybatch® Color Concentrates for Film and Molding	Polypur® Thermoplastic Polyurethane Compounds	Polyflam® Flame Retardant Thermoplastic Compounds and Concentrates
---	--	---	--	--	--	--	--	---	--

new products materials

Paper & Paperboard

Paperboard packaging Environmentally and consumer-friendly and theft-resistant, Natralock™ is a paperboard-based packaging material designed as an alternative to plastic clamshell packaging. Combining traits of paperboard and blister-packs, it makes more surface area available for printing text and graphics than traditional clamshells do, the co. claims. Tear-resistant, it deters theft while reducing “wrap-rage,” and it minimizes the impact to the environment. Natralock is formed by running unbleached kraft paper or the co.’s Printkote® bleached kraft through a patented coating process that applies a heat-sealable material. An additional tear-resistant material can also be added during the process. Graphics can then be printed on the clay-coated surface. Natralock is said to seal easily without producing hazardous emissions.

MeadWestvaco, 804/327-6331.
www.natralock.com

Holographic papers The co.’s line of holographic papers expands with a selection of stocks that are exhibited in a new chip chart. The Brilliance stock, which serves as the cover of the chart, is joined by Cadillac, Cadillac Embossed, Stellar, Metallic and Sun stocks, each featuring different traits to serve various applications. Brilliance includes foil, film-laminate and transfer-metallized holographic patterns, manufactured using a proprietary transfer-metallization process, adding dimension, reflectivity and motion to printed projects. Cadillac cover includes 36 consistent colors in two weights. It’s said to deliver a more uniform alternative to printing full-color coverage and can be die-cut and foil-stamped. Cadillac Embossed adds texture. Stellar’s printable, UV-coated surface is ultra-hard and glossy to resist scratches, scuffs and finger marks, making it suitable for applications requiring constant handling. Metallic has a rich, subtle foundation for offset, screen, letterpress and gravure printing. Comes in two calipers and four colors. Fluorescent Sun’s dull-coated surface is available in seven colors and in two weights.

Decorated Paper, 800/882-3400.
www.decoratedpaper.com



Aseptic dispenser The Fresh Flow™ tap is designed to dispense liquid product from a flexible pouch or a bag without allowing bacteria or oxygen to enter the package. A tamper-resistant closure with an airtight seal, the dispenser safeguards the product and reduces, or in some cases eliminates, the need for preservatives and refrigeration, the co. says. The tap is adaptable to most flexible bags, pouches or other, semi-rigid packages. It can travel through aseptic fillers and withstands irradiation and steam-sterilization. Patented in several countries, it has a predictable flow rate and is user-friendly. Applications include beverages, flowable foods and pharmaceuticals, among others.

Intl. Dispensing Corp.,
410/761-0070.
www.idcdispensing.com

Them.

You.

Think out of the box. Think fresh.

Think MultiFlex.

Ever notice how food packaging is all starting to look the same?

High-performance MultiFlex barrier paper effectively preserves product freshness and can handle any new graphic ideas you can dream up, and it’s always aluminum-free for better performance. If you’re worried about escalating petroleum prices impacting your packaging budget, relax. MultiFlex grows on trees—the world’s most plentiful and sustainable natural resource. Available exclusively from Stora Enso, listed among the “Global 100” most sustainable companies.*



Stora Enso Speciality Papers Group

www.storaenso.com/specialitypapers | speciality.papers@storaenso.com

*Announced at the 2006 World Economic Forum in Davos, Switzerland, recognizing corporate excellence in managing environmental, social and governance risks and opportunities.

STORAENSO
Speciality Papers

new products applications

Servo design facilitates carton-filling mechanics

Mitsubishi Electric Automation, Inc. (www.meau.com), a supplier of factory-automation solutions, and **Elopak (www.elopak.com)**, a manufacturer of carton-filling machines for the juice and dairy industries, have implemented electric servo control as a replacement for traditional, mechanical devices. The new design is expected to eliminate half of the mechanical devices in a typical filling machine, reducing assembly time while improving performance and reliability.

The P-S50S gabletop carton-filling machine incorporates Mitsubishi's Q Series automation platform and MR-J2 super servos. These components join seamlessly in a multiprocessor system integrating complex servo motion with machine logic control.

"Our goal was to reduce assembly time and material costs in manufacturing the machine by simplifying operations," says Kenneth Poulblon, project engineer for Elopak. "We chose Mitsubishi Electric's Q Series automation platform because it integrates several types of automation processes on the same system."

"The Q Series automation controller shares complex operations across several processors with an extremely rapid response," says Leroy Bowman, motion-control specialist for Mitsubishi Electric Automation. "By seamlessly integrating sequence control, complex servo-motion profiles, continuous process control and operator touchscreens, much of the traditional mechanical components and their associated issues can be eliminated from the machine."

During development of the P-S50S prototype, designers from Elopak, Mitsubishi Electric Automation and its distributor, **SunSource (www.sun-source.com)**, studied each mechanical aspect of the previous machine generation. Many mechanical requirements were reproduced using the Q Series motion processor, unique software and servos. The Q Series motion-control software allows the machine designer to use virtual mechanical devices such as gearboxes, clutches, line shafts, differential gears, cams and more, which exist only as graphical elements in the software. The end result is a coordinated, high-speed, complex servo-motion profile, says Mitsubishi.

Mitsubishi Electric Automation, Inc., 847/478-2100.

www.meau.com.

Elopak, Inc., 248/486-4600.

www.elopak.com.

SunSource, 888/786-7723.

www.sun-source.com.

PAPERBOARD PYRAMIDS CUSHION FIXTURES

In-transit damage is no longer an issue at Norwell Lighting Fixtures, East Taunton, MA. Exquisite glass chandeliers, pendant lamps, wall sconces and other products are now shipped with loose-fill paperboard pyramids produced at the point of packing.

The 3D, 1½-in. board pyramids are formed from a perforated flat sheet processed by a machine that automatically bursts and folds the sheet, feeding directly into the shipper. Known as ExpandOS (for expand on site) from **Vertex Internal Packaging Solutions (www.expandos.com)**, the pyramids are made efficiently, with one truckload of sheet expanding to fill 25 truckloads with the shock-absorbent material. The recyclable pyramids are said to have been tested successfully against ISTA and ASTM standards.

Norwell operations manager Jim Defley notes, "Damage has gone to zero since the implementation of ExpandOS. Employee training time was cut in half, and our packaging workspace requirements were drastically reduced."

Marking the cushioning system's rollout, Vertex says it is offering a free on-site demonstration, including packing 100 boxes at the user's plant.

Vertex Internal Packaging Solutions, 866/909-6266.

www.expandos.com.

PEN aerosol stands up under pressure

Getting a bottle to withstand pressures under all ambient conditions is a neat feat. For Beyond Fresh Intimates, a three-fragrance, gel-to-foam formula introduced by



Lake Consumer Products

of Jackson, WI, it's critical. The product must lather without the use of a sponge or washcloth.

With the company's unique, proprietary formula, explains Lake marketing director Mike Kermendy, it was important for the packaging of this product to match the groundbreaking formula it contained. "So we developed the inverted plastic bottle to position the product as unique and make it easy for people to spot Beyond Fresh Intimates when it's on the shelf at the local grocery store, drugstore or mass merchandiser," he says.

The aerosol container is made of polyethylene naphthalate (PEN), incorporating dimethyl-2, 6-naphthalene dicarboxylate from **BP Chemical (www.bp.com/chemicals/)** and is not only transparent, but is also able to withstand high pressures and protect against water and oxygen transmission.

Another important PEN advantage for Lake is PEN's low sorption levels, so the colorful gels cannot alter the color of the bottle. Information isn't provided on the molding technique, bottle supplier or dispensing system.

BP Chemical, 877/701-2726.

www.bp.com/chemicals/

SOUTHERN CALIFORNIA PACKAGING EQUIPMENT



CUSTOM LABEL APPLICATORS

- Blow-On
- Tamp-Blow
- Print and Apply Printer Applicators
- Hot Stamp Imprinters
- Automatic Labeling Systems
- In-Line Labeling Systems
- Horizontal Live Roller Labeling Systems
- Pharmaceutical Labeling
- Syringe Labeling Systems
- DVD CD Security Labeling Applications
- Semi-Automatic Labeling Systems
- Much More

Visit our web site : **www.scpe.com**

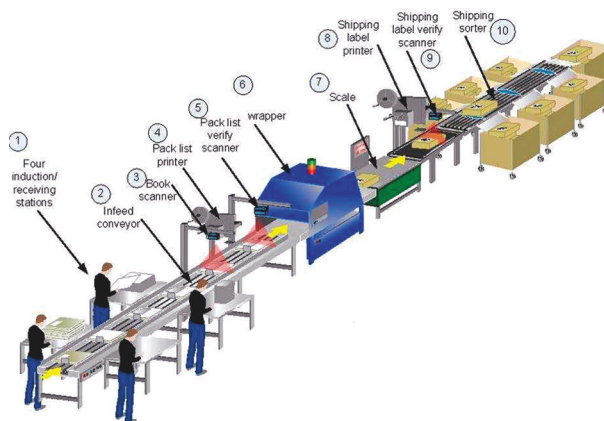


Southern California Packaging Equipment
4102 W. Valley Blvd
Walnut, CA 91789
(909) 598-3198

new products equipment

Order fulfillment A new system for order fulfillment automates e-commerce shipping and is said to drastically reduce the manual labor and material involved in packing, labeling, shipping and tracking products. The integrated system offers a single-source solution involving packaging equipment and software communicating with the mainframe to track the customer's order in-process and communicate its status to the controlling unit. All materials, including box/tray erectors, unique packing slip printing and insert equipment, scanners and leaflet inserters, are integrated into the system.

Dorell Equipment, Inc., 732/247-5400.
www.dorell.com



Accumulation system An advanced, zero-pressure accumulation system reportedly incorporates new technologies for ease of installation, operation and maintenance. EZLogic is said to adjust a conveyor's zone length to accommodate the length of the carton being conveyed, increasing carton throughput, accumulation density, conveyor efficiency and system flexibility. Zones may be sized for the smallest carton for greatest efficiency. Longer cartons introduced after installation do not obsolete the system, the co. says, and the low-usage long box is no longer a problem.

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

Personal computer The Automation PC 620 and corresponding Automation Panel are offered in an innovative system for remote visualization applications. An integrated Smart Display Link allows for the transfer of all communications channels, including display, touchscreen, matrix keys, LED and service data at a distance of up to 130 ft using one cable. USB transfer is also supported, so machine data can be exchanged locally on the panel, for instance by a USB memory stick. The APC 620, with Pentium® M or Celeron® M CPUs, allows connection of another line with two Automation Panels, displaying different picture content than the panels in the first line.

B&R Industrial Automation Corp.,
770/772-0400.

www.br-automation.com



Traversing robots AE-RA and AE-SC are two series of traversing robots for use with molding machines. AERA-a and AERAI-a come in a range of configurations and stroke lengths and are made for 30- to 3,000-ton molding machines. Both are available with a sub-arm for three-plate applications. The AE-SC robot's telescoping, vertical arm handles payloads to 110 lb. With three-axis servo drives, it reportedly is designed for molding machines in an 80- to 4,500-ton range. Models range from simple pick-and-place operations to ultra-high-speed, the co. says.

AEC, Inc., 262/641-3838.
www.aecinternet.com



A LOW MAINTENANCE INK JET PRINTER...

IS IT POSSIBLE?

The Jet2 features a retractable gutter which creates an air tight seal over the nozzle eliminating ink from drying in the nozzle. This revolutionary design is far superior to traditional flush nozzle systems.

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

IT IS POSSIBLE!

Leibinger, a family owned business since 1948 and a premier manufacturer of security, industrial and commercial printing solutions, introduces the Jet2 - the only low maintenance ink jet printer on the market today.

LEIBINGER

Paul Leibinger Numbering Machine L.P.

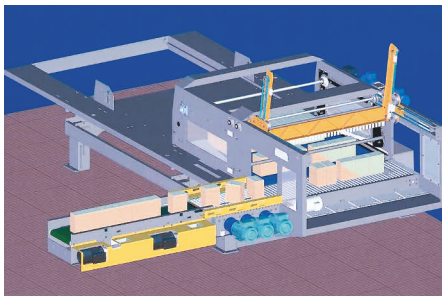
221 Wilson Ave. • Norwalk, CT 06854 USA • Phone: 203.853.0022 Fax: 203.853.3355
E-mail: info@leibingerusa.com • www.leibingerusa.com



new products equipment

Digital imagers New models of Cyrel® Digital Imagers (CDI) include the Spark 2120 small-format, entry-level unit and the Spark 4835 middle-format imager. Both are designed for high-quality flexo applications, with the 2120 aimed at narrow-web/label-trade applications, offering a small footprint and optional, bundled software. The 4835, for plates to 48×35-in., is supplied with a long-life, low-maintenance fiber laser and optical system, as well as a built-in plate loading/unloading table and the EasyClamp II to load and secure plates up to 6.35 mm thick on the drum. **Esko-Graphics**, 937/454-1721. www.esko-graphics.com

Color-management software Profile Wizard™ color-management Mio software 3.1.100 is designed to help achieve accurate, consistent color at every step in the print-production process. The proofing software is said to generate International Color Consortium profiles that maintain color integrity for any input device, monitor display and output device. The software reportedly includes comprehensive ICC profile-editing capabilities, providing control over gradation, luminance and saturation, gray balance, white point and color correction. **Eastman Kodak Co.**, 203/845-7115. www.graphics.kodak.com



Palletizer For applications involving packaged products in cases as compact as 5 in. wide, a high-throughput, small palletizer is introduced. The machine's infeed handles the problem of tipping of high-center-gravity cases with innovations in metering, turning and row- and layer-forming sections. Modular plastic belts form smooth transitions between metering belts and from belts to row-former rolls. Product damage is eliminated through "soft-turn" technology, which uses close roll centers, allowing for accurate turning. A wide overhead reciprocating row pusher positively transfers a row of product. At the layer-accumulating table, plastic belting allows for a smooth transition from the row-forming to the layer-forming area. **Columbia Machine, Inc.**, 360/694-1501. www.palletizing.com

Placers Featuring Allen-Bradley MicroLogix™ controllers and PIAB vacuum generators, the Model 4023 and Model 4024 placers accommodate rotary and reciprocating applications, respectively. Capable of speeds of up to 300 products/min, the Model 4023 offers a choice of a pneumatic or gearmotor drive and has a 24-in. inclined hopper. Options include variable speed control, a low-product sensor, vertical screw adjustments, a vacuum pump and casters. The Model 4024, with speed capabilities up to 60 ppm, is pneumatically driven and has an 18-in. inclined hopper. A missed-pick sensor, vertical screw adjustment and casters are among its available options. Both machines have a tubular steel frame and are equipped with leveling feet. **Packaging Systems Automation, Inc.**, 763/473-1032. www.psautomation.com



NO EXCUSES!

Your packaging is flexible. Your tolerance for downtime isn't. The **DataFlex Plus** Thermal Transfer Printer from Videojet keeps your lines running.

Your demands are not negotiable:

1. Eliminate breaks and poor printing with an advanced, clutchless ribbon drive.
2. Simplify operation with an intuitive graphic interface.
3. Reduce operating costs through superior ribbon efficiency.
4. Get up and running faster, thanks to an easy-load ribbon cassette.
5. Maximize uptime with the industry's largest service and support team, available 24/7.

Contact Videojet at 800-843-3610
or visit www.videojet.com
and join the movement.

VIDEOJET
Uptime Peace of Mind™

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

legal impact

Eric Greenberg, Attorney-at-Law

FDA guidelines vs. regulations



Sometimes, the legal developments that may seem irrelevant to any individual packager may contain the seeds of important legal concepts. I have one such here. Stick with me, and I believe you will see the full significance of a seemingly obscure announcement by the U.S. Food & Drug Administration.

The executive summary is as follows. The government issued draft guidelines to help some food businesses operate more safely. However, some critics complained that these shouldn't be mere guidelines; they should be regulations with penalties attached for violations. But you must put yourself in FDA's shoes and ask, "Would I really want to make regulations out of these guidelines?"

We start by noting that FDA recently issued draft safety guidelines for companies that process and package fresh-cut fruits and vegetables. Not fresh, but *fresh-cut*, that is, fresh produce that has been processed by "peeling, slicing, chopping, shredding, coring, trimming or mashing, with or without washing or other treatment, prior to being packaged for consumption," says FDA. As examples, FDA offers "shredded lettuce, sliced tomatoes, salad mixes (raw vegetable salads), peeled baby carrots, broccoli florets, cauliflower florets, cut celery stalks,

shredded cabbage, cut melons, sliced pineapple and sectioned grapefruit."

Says FDA, "With \$12 billion in annual sales in the past few years, the fresh-cut sector of the produce industry is its fastest-growing segment." But, it adds, "From 1998 to 2004, forty foodborne-illness outbreaks were associated with the consumption of fresh produce. Of these produce-related outbreaks, twenty-five percent implicated fresh-cut produce."

So FDA's guidance document gets down into the nitty-gritty of the operations of those companies that pack fresh-cut fruits and vegetables, and offers specific suggestions on how to perform these processes, addressing 1) personnel health and hygiene; 2) training; 3) building and equipment; 4) sanitation operations; and 5) controls, from product specification to packaging, storage and transport. It also recommends that processors put in place control systems like Hazard Analysis and Critical Control Points (HACCP).

The recommendations also focus on decreasing the potential for packaging to be a source of microbial or other contamination, such as setting packaging specifications; using a first-in-first-out rotation system for packaging; and labeling products with recommended

storage instructions. The guidance also provides recommendations for using modified atmosphere systems, as well as guidance on the use of product shelf-life and "use-by" labeling.

The recommendations are not new and revolutionary in that many processors are already doing many or all of these suggested steps. However, the emergence of new and different products, and new processors, increases the need for clear guidance on how to pack these products safely.

Now, an analysis from the perspective of public policy and food regulation. As you might expect, a mere guidance document is not in all respects identical to a regulation. For one thing, guidelines don't set forth the one and only way to comply with a regulatory requirement. In fact, after years of wrangling, FDA was compelled to make that point explicitly on the guidance documents they issue. An inspector cannot claim you are in violation only because you fail to comply with a guidance document's recommendations. Instead, they have to find that your practices actually constitute a failure to comply with the law or regulations. Still, it's probably true that the easiest way to show an inspector that your practices meet regulatory requirements is to match the guidance document's recommendations.

On the other hand, if a regulation says to do something a certain way, and you don't, then that clearly is a violation, one that the inspector can add to his list of violations observed, and which might lead to more serious steps later.

So when critics complain that FDA has issued mere guidelines, their objection is based on the fact that the guidelines don't have "teeth." Only penalties, they say, provide industry with the incentive needed to get all or most members to comply, and provide the punishment for those who don't. Guidelines, they say, will not have the same effect, since some companies might feel free to ignore them.

Based on experience with similar patterns, I surmise that it's likely that FDA's thought process went something like this: "We want the producers of

fresh-cut fruits and vegetables to reduce microbial contamination, and to do that, we want them to tighten their operations. We can list ways to tighten operations. But if we make a regulation out of it, first of all, we have to make a proposed regulation, publish it in the Federal Register, collect public comments, and then revise and publish the final regulation. This so-called notice-and-comment rule-making process takes months or even years, and ties up a lot of our people's time.

"On the other hand, if we issue a guideline, it will be in industry's hands as soon as we can publish it in draft form, so companies can start to implement the recommendations long before we issue the final version, even as we collect input on the draft."

Also, FDA may have thought: "Once the regulation is final and published, then we have to add it to the things we inspect for and cite companies for failing to follow. Nothing wrong with that, as such," says the agency to itself, "but once a regulation is in place, if aspects of it are especially tough to comply with or otherwise problematic for industry, we might find ourselves defending the rules in court."

All of this—notice-and-comment; working the new rules into enforcement practices; and possible court actions—takes a lot of FDA's energy and time. An agency would therefore typically be inclined to use all this energy and time on issues that really demand this level of attention, issues that are a high priority for protection of the public health.

Agencies struggle to match priorities and resources, which leads them to make some requirements mandatory, while it recommends others. Regardless of the mechanism chosen, FDA's goal is to reap effective fruits from its labors.

Eric F. Greenberg is principal attorney with Eric F. Greenberg, PC, with a practice concentrated in food and drug law, packaging law and commercial litigation. Visit his firm's website at www.ericfgreenbergpc.com. Contact him by e-mail at efgreenberg@uhl.com, or by phone at 312/977-4647.

An inspector cannot claim you are in violation only because you fail to comply with a guidance document's recommendations.

We Provide Labeling Solutions



Bar Code Solutions



Personal Care Solutions



RFID Solutions



Horticultural Solutions



Food Solutions



Pharma/Medical Solutions

...To Today's Labeling Challenges.

If it needs to be labeled, we can label it. In fact, we've probably already labeled something just like it.

We provide systems that print pressure-sensitive labels, apply them, and even print and apply them in one integrated operation.

Your labels can include text, bar codes and graphics. You can choose from blank stock labels for basic carton identification, partially-imprinted labels that add a custom look for all sorts of applications, and colorful prime labels for point-of-sale use.

And now we're also providing RFID smart labels with embedded transponders and the systems to encode and print them.

But we offer you more than just labeling systems and

supplies. We also offer you experience.

Every Weber labeling solution starts with an evaluation of your specific requirements. We'll assess how we can complement your existing packaging line, or fit into a new operation.

Then we'll apply our experience to recommend a total solution that will be perfectly matched to your application.

After you're up and running, we'll stay involved by providing technical support and nationwide direct service that are second to none.

Want to know more? Start by contacting your local Weber account representative at **1.800.843.4242**.

Or visit our web site for further details and video demonstrations of Weber labeling solutions at work.

Weber[®]
LABELING & CODING SOLUTIONS

1.800.843.4242 | www.webermarking.com



Flexible packs shift shapes with the times

Consumer convenience teams with technical know-how and some shapely new options in flexible packaging structures, along with high-tech visuals and maximum sales appeal in this year's Flexible Packaging Assn. competition. More than ever, pouches are replacing other structures as showcased by the 35 winners.

Lauren R. Hartman, Senior Editor

The 2006 Flexible Packaging Achievement Awards competition, produced by the Flexible Packaging Association (www.flexpack.org), which marks its 50th year in 2006, proves that flexible packaging has many innovations to offer, with multifunctional attributes in the retail, institutional and industrial markets. This year, judges evaluated an unprecedented 127 packaging entries, with 35 taking 39 honors. The winners include standup bags for chocolate fondue, mayonnaise and coffee and, most notably, a growing list of flex-packs for fresh fruits and vegetables. Performance is critical this year, especially involving the use of new, permeable materials and breathable films. One example is a microperforated pouch that keeps fruit fresh for up to two weeks. "Smart" or active flexible materials are also being combined with rigid packaging to improve how products are presented on the market. One is a thin-film bottle wrap that keeps beverages cold longer. Another rigid/flexible combination includes a vibrant shrink sleeve that secures stacked, glass pasta sauce jars into one sales unit. And there are several shapely, curvy, scalloped and angled pouches designed to lure consumers with a new appearance on store shelves.

The 12 top winners include 11 Gold awards and one Highest Achievement winner, all described here.

The Silver Award winners are featured in an exclusive article on our website at www.packagingdigest.com/info/silver. Announced on March 8, during

FPA's annual meeting in Naples, FL, the 2006 Flexible Packaging Achievement winners are recognized for outstanding converting and packaging in four categories—packaging excellence, technical innovation, environmental achievement and printing achievement.

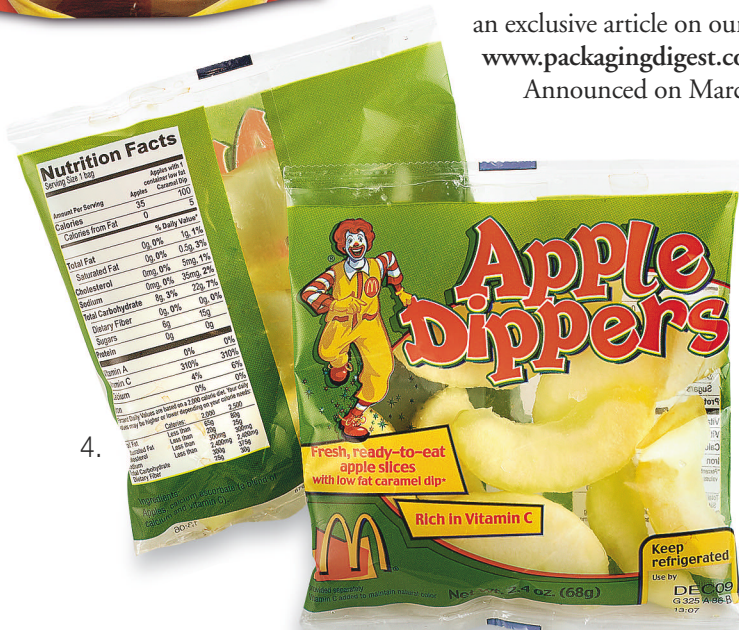
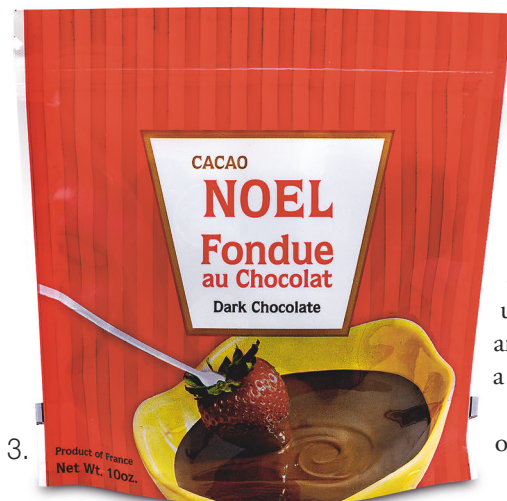
Shaped pouch is a hit for sports drink

The Highest Achievement Award went to the pouch for Gleukos Performance Beverages, from Gleukos, Inc. (1). Ampac Flexibles (www.ampaconline.com) a division of Ampac Packaging, produces the custom, 16-oz pouch at facilities it acquired from Kapak Corp. last year.

Winning a Gold award for printing achievement and for packaging excellence, the standup pouch holds the first easily digestible performance drink in a container designed to mold to the body when placed in the pocket of a jacket or athletic apparel. The tall, hourglass shape is easy to hold and drink from. Gleukos wanted a slender, lightweight package that could support its innovative, new product formulation. Further, it wanted graphics to provide a high-tech look.

Ampac had to overcome engineering challenges in order to meet Gleukos' marketing requirements. In order to bring the innovative drink pouch to market, Ampac made the pouch so that it could stand up without assistance, despite its long profile and narrow base. When it came time to mate the fitment to the pouch and work within a tight insertion tolerance, Ampac modified its Hensen Packaging Concept (www.hensen.de) spout inserter to accommodate the fitment and allow for forming of the leak-resistant seal—created by applying a heat source on the two opposite sides of the material/base assembly.

Pumping up the visual wattage are electric-colored graphics on the metallic foil lamination, a proprietary structure, believed to also include polyester, nylon and polyethylene. Gravure-printed in four colors, including black, silver and a shimmering, neon color



that corresponds to the beverage flavor, the sporty yet high-tech graphics were designed in-house by Gleukos. Though unique inks were not used, it appears as if they were, thanks to Lamiall solvent-based inks from INX Intl. Ink Co. (www.inxinternational.com), cured by heat; cylinders were etched by Southern Graphic Systems (www.alcoa.com/sgs/).

Ampac says it uses an eight-color Toshiba (www.toshiba-machine.co.jp) sectional drive GSN 120 press to reverse-print the pouch on its polyester layer. The three-piece dispensing assembly consists of a PE base fitment with a spout and a silicone valve, topped off by Seaquist Closures' (www.seaquistclosures.com) EZ Turn Cap, a tamper-evident, easy-turn closure that's large enough to prevent choking and accidental swallowing. Another important feature is the Smart Spout™ fitment/valve combination, which facilitates accessing the beverage without spills or leaks.

Not much has changed about Gleukos since PD covered the pouch last year (see PD, Nov. '05, p. 38 or view it online at www.packagingdigest.com/info/gleukos). Our last report mentioned that the hourglass-shaped pouch is being filled by contract packager, Jel Sert Co. (www.jelsert.com), West Chicago, IL. Portland-based Gleukos, Inc. offers the beverage in Lemon and Punch flavors. Additional flavors are forthcoming, the company says.

Standup pouch for 'mayonesa'

The following entries all won Gold awards. One is a standup package available to the Mexican market (2) that protects mayonnaise from spoiling and has easy-opening and reclosing features. The Gold winner in packaging excellence, the Ponle un Chorro de Sabor, McCormick® Mayonesa y Aderezo, or Doy Pack, of mayonnaise, comes in four flavors marketed by McCormick de México and packed by Grupo Herdez

impact, stiffness and puncture-resistance become important," says Printpack.

"The structure required clean organoleptics, had to be cost-effective and had to have a barrier in order to maintain flavor consistency and shelf life. The products are actually in the dressing category [in Mexican markets]."

The plastic spout, from Menshen Closures (www.menshen.ch) in Mexico, makes it easy to reclose and return the pouch to the refrigerator.

The large surface panel accepts impactful, colorful graphics that enhance brand identity. McCormick de México's website indicates that the company will soon introduce a version of the pouch for yellow mustard.

Little is known about the specific structure of the pouch. Printpack U.S. describes the pouchstock as having an overall thickness of 6 mils. The film is a multilayer barrier lamination that incorporates polyester and a proprietary Printpack coextrusion, according to the converter. The Printpack plant in Mexico produces it on rolls for forming, filling and sealing on a proprietary, horizontal pouch machine. Flexo printing is in eight colors.

Heat-and-eat fondue

A hot, new chocolate fondue pouch for Cacao Noel Fondue au Chocolat (3), marketed by Paris Gourmet, Carlstadt, NJ, won LPS Industries (www.lpsind.com) a Gold award in packaging excellence for its point-of-sale appeal. The standup, reclosable, zippered structure presents mouth-watering graphics on the outside, while the inside holds three disk-shaped pieces of melting chocolate that stay fresh in the pouch for up to a year.

While other fondue kits are packaged in paperboard cartons, this heat-and-eat product stands out in glossy, bright-red film.

The barrier pouch material is a polyester/polyethylene terephthalate (PET) construction about 4.5 mils thick that LPS adhesive-laminates, prints and converts into standup pouches using existing equipment. Reverse-printing of the polyester layer is in four process colors plus two spot colors on a Uteco (www.uteco.com) flexo press.

LPS also extrudes the handy, Top-Loc® plastic zipper profile to the top of the pouch and applies the zipper during the pouchmaking process. LPS can produce such pouches in small production run volumes, which it says gives an advantage to packagers that need small volumes or that want to conduct pilot or test runs.

Microwave-heated or boiled in water, the chocolate may be served right from the pouch, or it can be poured into a serving bowl. A simple but artistic graphic design features a strawberry being dipped into a bowlful of delicious, melted chocolate on the bright-red background—all that's necessary to promise a gourmet taste—a chocolate lover's dream.

With dimensions of 7×7 in., the pouch has a 1-in. header and a 2½-in. bottom gusset and holds 10 oz of product. Microwaving the package for one minute melts the contents. After cooling for another minute, the chocolate is ready to serve. There's no mixing or other extensive preparation.



6.



7.

Mesh-like pouch keeps 'fast-fruit' fresh

Flexible packages so often cater to the needs of the fast-food industry. McDonald's is no exception. Its Apple Dippers (4) fresh-cut, peeled apples are packaged in a clear, printed pouch that incorporates microperforation technology to keep produce fresh, crisp and sweet, without browning, for up to two weeks—an accomplishment, considering that sliced apples usually begin to oxidize and lose freshness within moments of being cut. Printpack took a Gold award this time for technical innovation, for the portioned, sealed pouch it makes using Freshgard technology. The ready-to-eat apples are now part of McDonald's Happy Meals program, and can be purchased à la carte off of the Dollar Menu.

"Apple Dippers supports our efforts around our balanced and active lifestyle initiatives," says Mark Lepine, director of menu innovation and development at Oak Brook, IL-based McDonald's Corp.

The single-serve, 2.4-oz pack allows the apples to breathe, or respire, protecting their freshness for an amazing 10 to 14 days. The multilayer film consists of an outer layer of oriented polypropylene and Printpack's own sealant films under the PerformX brand, which it says offers a unique combination of oxygen transmission rate (OTR), clarity, seal strength and a broad sealing window. PerformX structures are roughly 2 mils thick. The PerformX film in this case is specially designed for fresh-cut produce applications.

Says Printpack's Mark Frascarelli, "The laminated, microperforated film allows users to 'dial in' specific oxygen- and vapor-transmission rates to enhance shelf life of fresh-cut produce. That's key to the technology for fresh produce, and makes Apple Dippers unique on the market. We accomplish this by combining an internally produced PerformX sealant film with lamination capabilities. For applications that need even more OTR transmission than films alone can deliver, we promote the use of microperforation technology."

The Freshgard family of breathable laminations and unsupported films for fresh-cut produce includes both adhesive- and extrusion laminations that are designed to accommodate the different varieties of apples

Continued on page 24

8.



FPA 2006 Winners' index

- 1 Hourglass-shaped pouch for sports beverage p. 22
- 2 Spouted standup pouch for Mexican mayo p. 23
- 3 Tidy pouch for chocolate fondue p. 23
- 4 Micro-perforated pouch for fresh, sliced apples p. 23
- 5 Self-venting tray-pack for veggies p. 24
- 6 Glamourously printed coffee bag p. 26
- 7 Sassy retort pouch for U.K. sauces p. 28
- 8 Insulating sleeve label for cans of beer p. 30
- 9 Reclosable ice melter bag with handle p. 31
- 10 Shrink sleeve combines Barilla's two jars p. 32
- 11 Self-venting pouch for microwave-ready fresh vegetables p. 33
- 12 Space-saving pack for moisture-absorbing pads p. 33

S.A. de C.V. through which McCormick has a strategic alliance. Launched in October 2005, the gusseted, standup pouches with dispensing spouts come in 1-kg and 250- and 500-g sizes. Printpack (www.printpack.com) in Queretaro, Mexico, produces the packages, which place the dressings in a larger, flexible format. The move signals a trend whereby many packagers are successfully making a transition to a flexible package from a rigid container. These packs are additions to a rigid-container lineup, bringing an exciting and different format to condiments and dressings available in Mexico.

The spouts control servings and ensure that consumers can squeeze out nearly every last drop of dressing. There are major challenges between packaging mayonnaise in a large pouch versus packaging it in a shelf-stable, single-use, condiment size, especially for a product that has to maintain a nine-month shelf life. "The gauge has to be much heavier for large-volume pouches, where different requirements like drop

McDonald's can use. Further protecting the fresh flavor and color, the peeled apple slices are dipped in a Vitamin C/calcium solution prior to packaging.

"In some cases, because of the oxygen-transmission-rate requirements, we also use Freshgard Plus microperforation capabilities to increase the OTR of the structure," Frascarelli adds. "Freshgard is Printpack's brand of breathable laminations and films that are not microperforated, and Freshgard Plus is the brand of structures that are microperforated."

The bold, vibrantly printed graphics of Ronald McDonald on a green background are flexo-printed in eight colors at Printpack's Prescott Valley, AZ, facility.

A peelable, easy-to-open seal adds to the kid-friendly appeal. The proprietary package structure presented a number of challenges, but the breathable laser microperforations help achieve the variable respiration needs for the many apple varieties that could be contained in the pouch. "As far as we know, this is the first bag of its kind in the fast-food-chain market," Lepine points out.

"Perception is key," he adds. "We get a lot of questions why our apples in the Apple Dippers don't turn brown. We looked at modified atmosphere and several other options before deciding on this film."

With the growth of the fresh produce market, Lepine says the package provides several options for perishable fruit and other vulnerable products. "From McDonald's perspective, we love the visual of this film," he says. "It prints exceptionally well and has a nice sheen that improves overall appearance."

The microperforated lamination is supplied as

With passive modification, the headspace around a product is **not actively being changed**, as it is during gas flushing.

rollstock, formed on various form/fill machines in place in at least six different McDonald's plants, Lepine adds.

"We had a prior history with this type of film and use it for another perishable product item delivered to the 'back-of-the-house' of our restaurants," he points out. "For Apple Dippers, the work began during the spring of 2003, with qualitative research sessions."

The first printed film test hit McDonald's restaurants in Altoona, PA, Chicago and Yakima, WA, in 2003. A national launch began in Spring, 2004.

Fresh-veggie pack self-vents in the microwave

The Cryovac Food Packaging Division of Sealed Air Corp. (www.sealedair.com) has developed its Simple Steps™ packaging for produce (5). Suitable for retail applications, foodservice or possibly use in vending machines, the new microwavable vacuum-skin-pack for vegetables won a Gold award in technical innovation. Designed to steam and cook fresh or frozen vegetables in two minutes or less, the package is

considered a breakthrough in technology. What's notable is its marriage of a highly permeable material—which needs no perforations—a self-venting ability and the use of a microwavable tray in a vacuum-skin format. The vacuumizing of the lidding conforms to the contours of the product, improving presentation and merchandising appeal and extending shelf life to as much as 14 days.

A first in the marketplace for fresh produce, Simple Steps for Produce is being used with difficult-to-package vegetables such as asparagus, cauliflower, green beans and broccoli. Canada's Sun Valley Foods uses it for vegetables merchandised in paperboard cartons. Based in Kelowna, BC, Sun Valley sells broccoli, a vegetable medley, cut carrots and sliced zucchini in the tray-pack under the Smith's brand for \$3.49 to \$3.99 Canadian. The refrigerated shelf life for the Smith's brand of products is 12 days.

The pack gives the veggies a three-dimensional look and helps extend their shelf life via "atmospheric modification," which prolongs the organoleptic qualities of the product.

Available for single or multiple product servings, the tray-pack originates with the Simple Steps technology that Cryovac



High-Speed Camera Video Capture System

HINDSIGHT
gigE

With 20/20 Hindsight® you can...

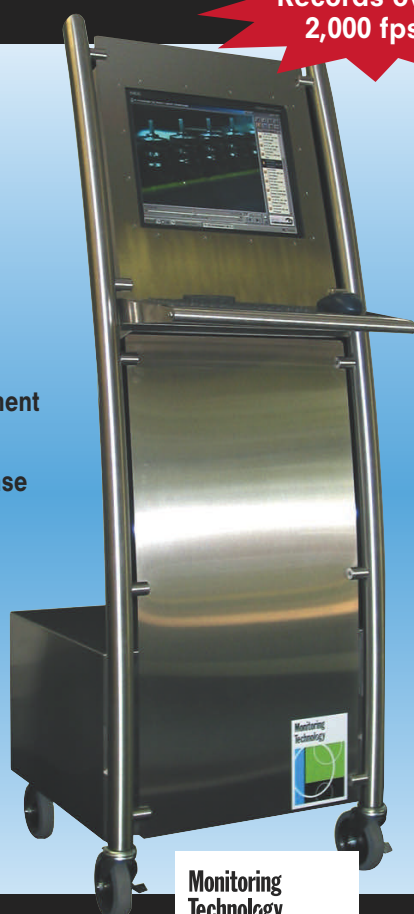
- Increase OEE and eliminate production downtime
- Quickly identify the root cause of packaging and production issues
- Point camera and walk away... replay issues in slow motion
- Get an instant return on your investment
- Store over 48 hours of video
- Reduce change-over time and increase line speed
- Improve operator training and shift-to-shift communication
- Share video with vendors and reduce product defects
- Multi-Camera Systems, Infrared cameras, Borescopes, other options also available

Call 703-698-5520
for a FREE Trial

or visit us at

www.2020HindSight.com

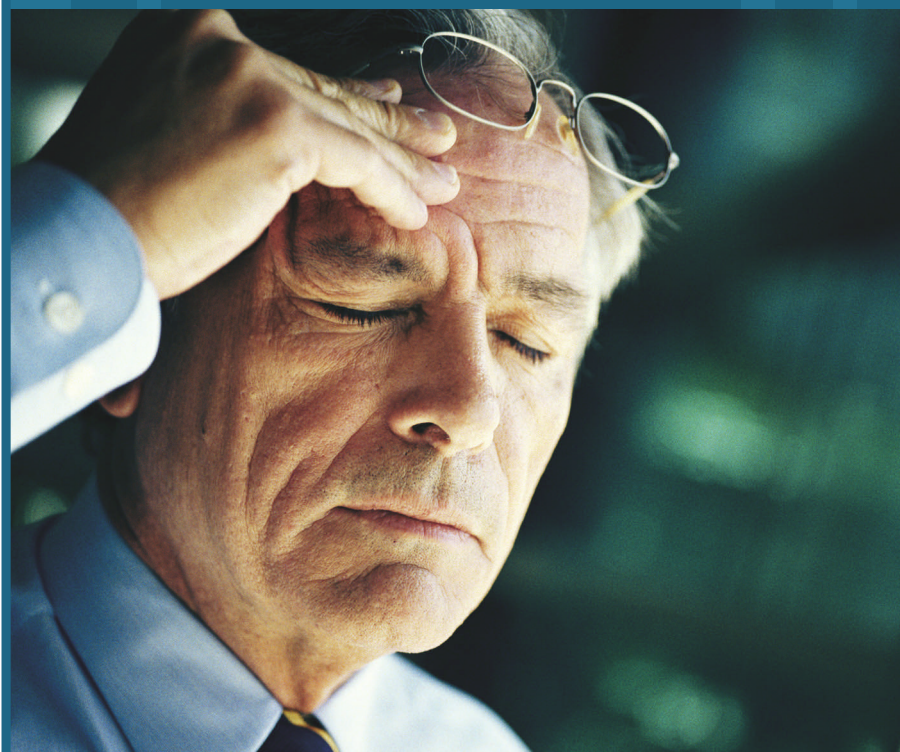
E-mail:
contact_us@monitoringtech.com



Monitoring
Technology



There's a better way to close your deal.



Sun Capital Partners has a completely different approach to buying companies. Quickness, decisiveness, and creativity are not just words. They reflect our style, culture, and unique strategic attributes.

- Close deals in 30 days or less
- Cash buyers. No external financing required
- Fair and flexible terms
- Experienced operators to help improve performance

SUN CAPITAL PARTNERS, INC.

BOCA RATON | NEW YORK | LOS ANGELES | LONDON | SHENZHEN

Please respond to 866-281-5661 or Richard Hurwitz, Vice President at rhurwitz@SunCapPart.com.

WWW.SUNCAPPART.COM

Packaging that's... **Molto Delizioso!**



Packaging Excellence
Gold Award Winner,
FPA 2006 Packaging
Achievement Awards

Alcoa Shrink Sleeves give your product the most appetizing appeal.

Dynamic graphics, bold colors and award winning print quality create high shelf impact. Plus, Alcoa shrink sleeves conform beautifully to unique shapes with 360 degree exposure, creating new, eye-catching images for your product. Alcoa can assist you with a label that is sure to grab consumer attention and market share. Hungry for more?



ALCOA

Contact Alcoa Packaging at 804-281-2395 or via e-mail at packaging@alcoa.com
www.alcoapack.com

Copyright © 2006 Alcoa Inc. All rights reserved.

commercialized in 2003 for heat-and-serve tray-packs of precooked entrées. Those include products marketed by Smithfield Packaging (see PD, March '03, p. 34 and Sept. '03, p. 48), which won awards from the FPA and from DuPont at that time.

In development for about a year, the variation for produce uses a similar tray as the earlier technology but has a different, more suitable lidding film. Like the entrée version, the produce pack gives hurried consumers convenience in an easy-open tray that

allows vegetables to be prepared, and subsequently steamed, in three steps: Place the package in the microwave; cook for two minutes; peel open the package and serve. The film lidding "tents up" as the product heats and self-vents and relaxes over the food.

The self-venting feature requires no piercing or peeling of the film prior to cooking and no knife or scissors to open the package once the veggies are cooked. Stay-cool side handles also make it safe for consumers to remove the tray from the microwave. The vegetables can be

served or eaten directly from the tray.

The package's hermetic-sealing technologies and highly permeable lid material for fresh produce allow for what the company calls "a passive modification of the package atmosphere." This eliminates the need for gas flushing to extend shelf life of the food by lowering the respiration and transpiration rates.

Myra Foster, manager of new business development at Cryovac, explains, "With passive modification, the headspace around a product isn't

actively being changed, as it is during gas flushing. Instead, it relies on the respiration rate of the product married to the oxygen-transmission rate of the material, to, over time, generate a certain change in the headspace atmosphere. The actual shelf life varies by the product, but is generally several days longer than fresh produce in other types of packaging."

Efficient for processors and home cooks alike, the vacuum-skin format includes materials that generate fairly high oxygen-transmission rates, adds Foster. "It's a matter of using the right resins and coextruding them in a way that's amenable to seal to the tray, and those traits translate into a material with high oxygen and carbon-dioxide permeability." She says the material introduced has an oxygen transmission rate ranging from 6,000 to 7,000 cc/mm²/24/ hr.

The 3-mil, multilayer polyolefin

The permeable nature of the film supplies enough atmospheric oxygen to the inside of the package, and that's how we achieve the long shelf life.

lidding seals to a rigid, microwavable, barrier tray thermoformed of PP and ethylene vinyl alcohol by Mullinix Packages (www.mullinixpackages.com) and laminated with an easy-open, multilayer, coex sealant. When vacuumized to the tray, the permeable coex lidding film, with a compatible polymeric sealant of its own, helps minimize the formation of ice crystals inside the tray, eliminating freezer burn.

The tray-pack can be vacuumized on Multivac's (www.multivac.com) T200 tabletop or T350 production vacuum-skin rollstock machinery, explains Foster. "There were some modifications made to allow these machines to work with skin packaging," she says. "As the product respire or consumes oxygen and generates carbon dioxide, the permeable nature of the film supplies enough atmospheric oxygen to the inside of the package, and that's how we achieve the long shelf life."

Cryovac has successfully packaged various types of produce in the packaging, from including Sun Valley's assorted offerings. Foster adds that the Continued on page 28

FORTRESS PHANTOM[®]

metal detection systems

simple operation

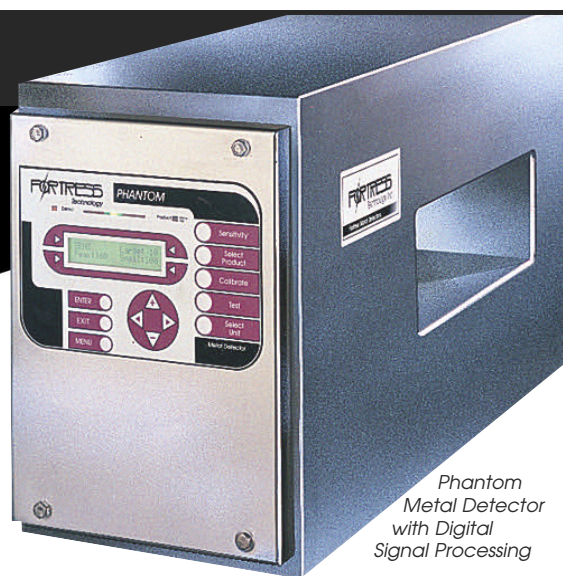
outstanding reliability

exceptional performance

Fortress metal detection systems belong wherever machinery is in motion and wherever food products and packaging are on the move.

- ▶ Phantom with digital signal processing and analog Pinpoint conveyorized, gravity feed, and pipeline metal detectors.
- ▶ Faster, accurate, detection of ferrous and non-ferrous tramp metal including stainless steel. Even inside 100 lb. bags and metallized film packages.
- ▶ Modular electronics, automatic balance, product compensation, multiple product memory, and Auto Test to meet demanding HACCP procedures.
- ▶ User friendly, unsurpassed for ease of installation, set-up, and sustained operations, day after day.

For more information, contact Fortress Technology Inc. toll free at (888) 220-8737, fax (416) 754-2976, e-mail fortress@fortresstechnology.com or visit our web site.



Metal Detection Systems
www.fortresstechnology.com

Seal-it, inc.

INTRODUCES

 **EarthFirst**[®]

PLA Film made from CORN - not oil

- Environmentally Friendly
- Biodegradable in 47 Days
- Great Machineability
- Great Printability
- Great Clarity

Seal-it, inc.

- Prints film up to 10 colors
- Rotogravure or Modified Flexo
- PVC/PETG/OPS/PLA Films
- Shrink Labels
- Tamper Evident Bands
- Multipacks

Visit us at EastPack Booth# 4665

• **Ph. 800.325.3965 • 516.935.3965**
• **Fx 516.935.3967**

• **e-mail: info@sealitinc.com**

• **Visit our website: www.sealitinc.com**
70 Schmitt Blvd. Farmingdale NY 11735

Seal-it, inc.

**MADE IN
THE U.S.A.**



packaging can also be used for frozen vegetables, as it can withstand freezing temperatures to microwave heating temperatures up to 212 deg F.

Glitzy packs perk for coffee

The coffee aisle is being overstuffed with new introductions, exotic flavors and beautiful packaging, which prompted Loblaw Companies Ltd., Brampton, ON, to go one step further with its new, luxurious rendition of the President's Choice coffee pack.

Converted by **Genpak LP**

(www.progressivepac.com), the unusual, vacuumized valve bag (6) won Gold for printing achievement.

Canada's largest food distributor, with operations across the country, Loblaw's introduced the pouches in the fall of 2005. Notes Bill Reilly, development manager at Genpak, "Loblaw's approached us with the design that was printed on cans at the time. We all knew that we would be able to deliver the kind of impactful packaging that would jump off store shelves.

"The designers are enthused with the

superior packaging; the purchaser is satisfied with the minimum costs in the product launch. We print the rollstock for all of the stockkeeping units side-by-side, and the printing manager is delighted with the great output achieved while producing less waste. It's a win-win situation."

The 250-g standup valve bag for fragrant Costa Rican coffee features a rolldown opening that can be secured with a clip wrapped around the bag.

Costa Rican coffee is just one in a series of Loblaw's beautifully printed bag

motifs presenting artistic, tropical or sophisticated graphic designs. The coffee flavors include French Vanilla, Chocolate Swiss Almond, Flavored Decaffeinated Vanilla Hazelnut, fine-ground Columbian Supremo, Irish Crème and Hazelnut Crème.



Genpak produces the rollstock for the bag at its plant in Aurora, ON. The three-ply adhesive/extrusion lamination consists of polyester/PE/foil, reverse-printed in eight colors on a 10-color Fischer+Krecker (www.fischer-krecker.biz/) flexo press at speeds of 300 m/min. The Costa Rican coffee's eye-catching, painterly graphics depict a green and yellow parrot on a rich, gradating, green-to-black background. The lush and eye-popping design is courtesy of Opaltone® digital separation software from Opaltone, Inc. (www.opaltone.com). Genpak says the software allows it to print 12 different coffee variety designs side-by-side, using the same eight colors. Reilly notes that Opaltone overcomes saturation deficiencies in cyan/magenta/yellow inks, producing greater optical contrasts and richer, brighter color appearances.

"Running jobs back-to-back using Opaltone, we eliminate ink washups and color matching, which saves time," he says. "When we wash up color, we can also create a certain amount of ink and solvent waste, which can be detrimental to the environment. Opaltone eliminates washups and is more environmentally friendly. It can reduce the material used to set up the press and reduces ink usage and waste by up to thirty percent, depending on the job."

Marks & Spencer savors saucy retort pouch

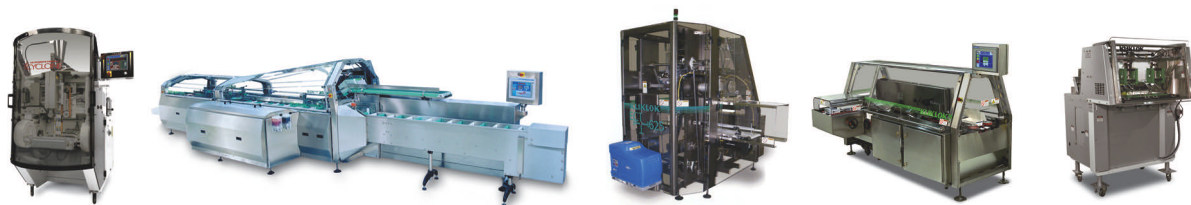
Looking good enough to eat, the graphics displayed on standup pouches for a line of shelf-stable sauces from Marks & Spencer (7), a U.K.-based retailer with more than 400 stores throughout the U.K. and 150



stores worldwide, won CLP Industries Ltd./CLP Packaging Solutions (www.clppackagingsolutions.com) a Gold award in printing achievement. The structure is also durable and has the barriers to withstand the demands of the retort process, which keeps the delicate sauces fresh for an incredible 12 months.

Marks & Spencer demanded luxury
Continued on page 30

Packaging Machinery With A Custom(er) Attitude.



It's essential to get inside a customer's plant when we engineer new packaging solutions and technologies. But that's not the only place we look. We also get inside a customer's head. We listen closely to the "what ifs" before coming back with the "can dos." Our purpose is to design quality vertical-form-fill-seal and cartoning systems for the snack, bakery and frozen/prepared foods industries. Our passion is to improve productivity for each customer, one by one. The result? Machines with a custom feel. A company with a customer focus. Now, isn't that a great attitude?

KLIKLOK•WOODMAN®
Packaging Productivity ... by Design.

www.klikwood.com

5224 Snapfinger Woods Drive

Decatur, Georgia 30035 USA

Telephone: 770-981-5200

Fax: 770-987-7160



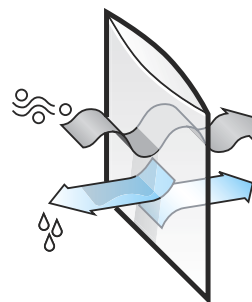


Capture
the freshness.

With **Freshgard™** microperforation technology from Printpack, you can create packaging with “dialed in” oxygen and vapor transmission rates. So your fresh-cut produce keeps the right-from-the-farm quality a lot longer.

Put our proven product package development team and “one-stop shop” facility to work on the ideal solution that fits your produce or application – from bag type and perforation size to printing – as well as your existing packaging equipment.

To learn more about Freshgard™, and why it’s a smart pick for your packaging lineup, call 800-451-9985, ext. 17634, or visit www.printpack.com.



Freshgard™ technology lets oxygen in, and keeps condensation out.

and high performance when it asked CLP to create an adhesive-laminated standup pouch for the sauces in time for the 2005 holiday season. CLP says the dwell time in the retort chamber is short, which prevents the flavors from developing an overcooked taste that could compromise a delicate vanilla sauce or a well-balanced gravy. "Retorting the same products in jars could conceivably also overcook the sauces," CLP reports.

A shiny, nonfoil laminate was chosen for four sauces in the line, which include

Turkey Gravy, Cranberries in Ruby Port Sauce, Blueberry Dessert Sauce and Vanilla Custard, because the nonfoil structure can be heated in a microwave oven. Converted in Israel using polyester films from India's **Polyplex Corp. Ltd.**, (www.polyplex.com), PE from **Plastosak Ltd.** of Israel and adhesives from **Rohm & Haas** (www.rohmhaas.com), the 250-g, preformed, standup pouch consists of (from the outside) PET/high-barrier PET/biaxially oriented nylon/cast PP (CPP). The total thickness is 100

microns (almost 4 mils). CLP prints, laminates and converts the pouches on a high-performance line equipped with a **Cerutti** (www.cerutti.it) gravure press and a **Rotomec** solvent-based laminator (Rotomec S.p.A. is part of the **Bobst Group** [www.bobstgroup.com]).

The white CPP gives the laminated pouch structural integrity and a rich, esthetic background for printing. The PET helps protect the delicate flavors of the sauces and adds structural strength, and the white CPP layer also eliminates the need to lay down a broad, opaque

white ink. The CPP also improves the look of the pouch, simplifies printing and offers the benefit of a strong sealing layer, CLP says. Metallic silver highlights underscore the brand image of richness that Marks & Spencer works hard at maintaining and acts as a base to boost the additional colors.

To prevent scratches, CLP does a precision job of reverse-printing the outer PET layer in eight colors using conventional inks (from **Siegwerk Druckfarben AG** [www.siegwerk.de] of Germany), including metallic inks that highlight and underscore the graphic elements. Designed in-house, the full-bleed graphics include rich, luminous elements that communicate elegance on the face panels. The color scheme of deep and light blue, metallic silver and cool whites dominates the graphics for the Vanilla Custard sauce. CLP makes the pouches on **Totani** (www.totaniamerica.com) equipment.

The pouch's height provides extra eye appeal, as well as plenty of space on the back panel for heating instructions and nutritional labeling.

According to Marks & Spencer, the pouch also has a larger shelf presence than the rigid jar it replaces, while the luminous graphics and superb print quality augment the performance of the PET laminate in protecting the delicate flavors of the contents. The products are copacked in Scotland by **Baxter**, which fills and seals them on a line from Japan's **Toyo Jidoki Co. Ltd.** (www.tyj.co.jp).

Sleeve label keeps beer from losing its cool

A specially engineered, insulative sleeve label (8) from **DuPont Packaging and Industrial Polymers** (www.dupont.com) won both a Gold in technical innovation and a Silver Award in packaging excellence. Adopted by Labatt Brewing Co. for 473-mL cans of Labatt Blue Pilsener, the Cool2go® wrap or coating protects the beer from heat transferred from warm hands, condensation and cold temperatures. Cool2go began appearing on the Labatt Cold One™ in Canadian markets in May 2005 (see PD Aug. '05, p. 6). It keeps drinks cold and stays put on the can or bottle.

DuPont says the Cool2go wrap is made by placing a polymer insulation between two layers of its Teijin Films™ Melinex® film, which results in a thermal barrier. DuPont says that once the beer is chilled, the wrap keeps the beer cold for up to 30 min longer than if the can were not wrapped. Cool2go can be used with or without a shrink-sleeve



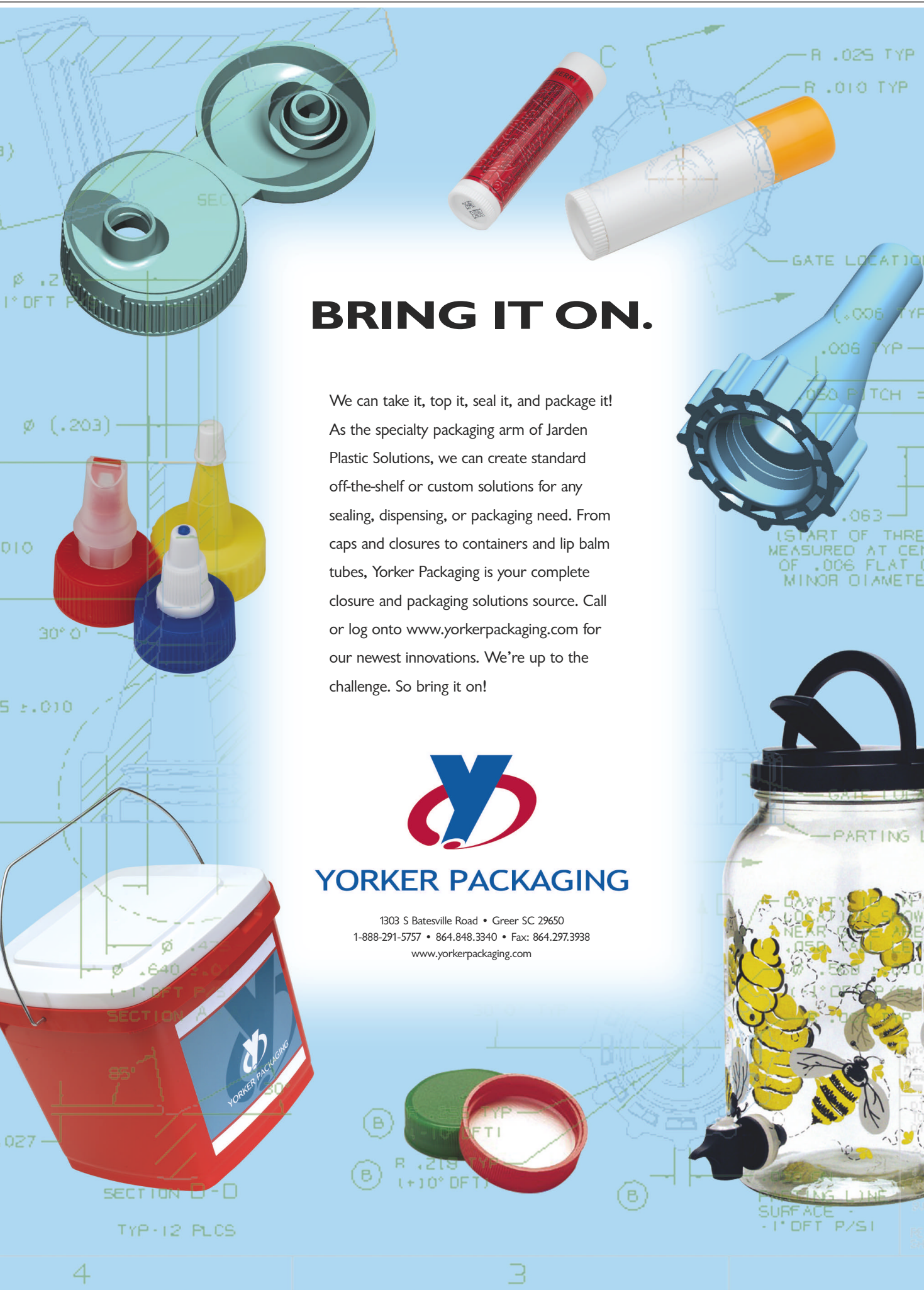
BRING IT ON.

We can take it, top it, seal it, and package it! As the specialty packaging arm of Jarden Plastic Solutions, we can create standard off-the-shelf or custom solutions for any sealing, dispensing, or packaging need. From caps and closures to containers and lip balm tubes, Yorker Packaging is your complete closure and packaging solutions source. Call or log onto www.yorkerpackaging.com for our newest innovations. We're up to the challenge. So bring it on!



YORKER PACKAGING

1303 S Batesville Road • Greer SC 29650
1-888-291-5757 • 864.848.3340 • Fax: 864.297.3938
www.yorkerpackaging.com



label applied over it. In Labatt's case, a shrink-sleeve label is used and is gravure-printed in a striking blue, red, white and silver color scheme, which represents the well-established Labatt brand, highlighted by silver inks. **Multi-Color** (www.multicolorcorp.com) converts the shrink sleeve used in conjunction with the wrap at its facility in Scottsburg, IN.

The prepress work, including separations and cylinder engraving, was performed at Multi-Color's Graphics Services facility in Erlanger, KY. A patented process produces the thin, thermal barrier that locks in coldness. The labels are printed using DuPont Cyrel® NOW plates. The combination of wrap and sleeve label is applied by a custom shrink system at **Alliance Labeling** (www.alliancelabeling.com) in Oakville, ON. The cans come in a six-pack carrier in the same color scheme, printed using Cyrel plates.

Considered a smart package, the enhancement provides high performance without adding bulk and provides quality graphics found with conventional labels at pennies per package. Cans labeled with it can be recycled by major aluminum producers, and there's no energy penalty in cooling a can insulated with the sleeve label. DuPont's Susan Procaccini, venture manager of insulated packaging, says that Cool2go also appears on cans of beer copacked in Sao Paulo, Brazil, for Skol's Skol Geladona brand. Look for additional introductions this spring.

Totable bag breaks the ice

An eye-catching, angular pillow-bag with an angle cut on both sides and an integral, die-cut carrying handle, is helping to launch Day Saver Ice Enemy, a granular, concentrated ice-melter product from DampRid, Inc., Orlando (9). Convenience played a major role in the development of this package. As easy to handle as a rigid container, the zippered bag is lightweight and allows users to spread the product without additional tools or spreading devices.

Produced by **Flex Pack USA, Inc.** (www.flexpackusa.com), the marketing branch of film converter **Nina Plastic Bags** (www.ninaplastics.com), the package won Gold in packaging excellence for its ability to easily distribute a product in a heavy-weight size in a small- to medium-size area without additional equipment, preparation tools or special training.

Flex Pack began working with DampRid last fall on the project. The custom bag holds 9 lb of product and measures 13×14.7 in. Converted in a single pass by Nina, the bagstock is made with an outer layer of 1-micron (almost 50-ga) PET from **Mitsubishi** (www.m-petfilm.com), reverse-printed by flexo in eight colors on a **Windmoeller & Hoelscher** (www.whcorp.com) Novoflex® eight-color press. Showcasing the product in a

deep blue-on-blue color scheme, the graphics, created by **Lam Design** (www.lamdesign.com), illustrate product usage and its benefits.

The PET layer is adhesive-laminated to a three-layer, 150-micron (almost 6 mils) linear-low-density PE coex blend that Nina makes in-house. Nina applies the LDPE zipper in-line. **Technipac, Inc.** (www.technipacinc.com) produces the bags on equipment from **Totani**.

Once the top of the bag is opened by accessing a tear notch on one side, the bag's **Presto Products**

(www.prestoproducts.com) press-to-close zipper can be used to close the bag for storage and later use. The bag opens to reveal a clear, 150-micron LDPE membrane inserted in the top that's die-punched with tiny 1/4-in. holes spaced 1/2-in. apart, through which the product releases when the bag is shaken. The membrane functions like a sieve when the bag is flipped over. The force of the product opens the membrane, which distributes the ice melter when the bag is gently shaken. The bag also resists

Continued on page 32



9.

Robotics like you have never seen before.



If you're looking for packaging that's out of the ordinary, that is as special as your product, we are the packaging partner for you. As a solutions-based provider of modular packaging machinery in robotic automation, horizontal flow wrapping, cartoning and bag closing, we offer maximum efficiency and investment value. To provide the best possible solution, we can adapt our machines to fit the requirements of individual customer needs. Superior service support from Bosch Packaging Services guarantees regional presence and product know-how you can rely on. Day and night. Around the clock.

Doboy Inc.

A Bosch Packaging Technology Company
869 South Knowles Avenue
New Richmond, WI 54017 USA
Tel 1-715-246-6511, Fax 1-715-246-6539
sales@doboy.com, www.doboy.com



BOSCH
Invented for life

moisture and helps to extend the shelf life of the product with its durable, barrier construction.

Barilla stacks jars in its favor

Italy's Pasta Barilla, considered a world leader in pasta production, unveiled its Restaurant Creations sauces to the U.S. in a twin-pack of two, stacked glass jars (10) bundled in a PETG shrink sleeve. The sleeve is reverse-printed in eight colors by Alcoa Flexible Packaging (www.alcoa.com/flexiblepackaging).

Barilla touts the sauces as restaurant quality, each prepared separately to allow its fresh ingredients to maintain integrity and flavor (also see PD, Sept. '04, p. 4). Shape is a factor with this winner, too. A neat way to offer two different sized jars in one, the 50-micron shrink sleeve unitizes them in an eye-catching, hourglass shape that stands out from the rest on store shelves.

Winning a Gold in packaging excellence, Restaurant Creations separates the sauces until preparation, to provide a smooth, subtle taste. The

dual-jar pairing needs no other packaging and may be the first of its kind available in the U.S.

The sauces go beyond conventional red sauces to reflect authentic Italian sauce usage with a blend of flavors that highlights key ingredients.

The sauces include a "chef's recipe" in the top jar, and a base sauce in the bottom jar, made of tomatoes and imported olive oil. The contents of both jars can be mixed with 1 lb of pasta for a tasty meal.

The perforated PETG sleeve covering



10.

the body of both jars, affording tamper-evidence and easy removal, is heat-sealed to the containers using a steam tunnel. When Barilla brought the original labels to the U.S., Alcoa and its cylinder supplier Southern Graphics Systems (a part of Alcoa) improved the graphics with a brighter look and sharper vignettes. An "anti-wet" overcoat eliminates air bubbles between the label and the jar. Alcoa prints the label graphics on a Rotomec press.

Restaurant Creations in the 17-oz package is available in metro New York, Philadelphia, Boston, Hartford/New Haven and Chicago in three varieties.

Judy Glass, manager of product development at Barilla America, Inc., Bannockburn, IL, says the company plans to move the brand into more markets with new varieties. "Our goal was to develop a pasta sauce that retains the integrity and fresh flavor of each of the ingredients, like a fresh, new recipe," says Glass.

Veggies steam in venting pack

The Food and Drug Administration calls fresh-cut produce "the fastest growing sector of the fresh produce industry." It's no wonder that Amcor Flexibles (www.amcor-flexibles.com) developed a self-venting pouch (11) that can steam such veggies evenly in a microwave oven. Winning two Gold awards—for packaging excellence and technical innovation—SelfVent delivers an evenly cooked product that needs no additional preparation. A patented, controlled microperforated material and food-science process advances merge in what Amcor calls fresh-produce modified atmosphere.

Pouchstock is an



11.



Guaranteed to give your product
a closer look.

Let's be clear. Your product has a split second to capture your prospect's attention or it won't be noticed. VisiPak can solve your challenge with creative, clear-plastic packaging solutions made possible by the broadest product line and the best consultative team in the industry. In fact, we have everything you need for a successful product package, from concept to creation. Plus, we're fast, efficient and consistently deliver on time and on budget. Think clearly. Think VisiPak. Call us today or visit our web site.

VISIPAK

1-800-949-1141

THE CLEAR CHOICE FOR TRANSPARENT PACKAGING



WWW.VISIPAK.COM

82-micron (3.2-mil) laminate that combines two-ply and three-ply laminates together with an outer layer of PET, for excellent stiffness, clarity and temperature-resistance. A CPP layer adds durability and seal integrity. The gusset incorporates a three-ply laminate of PET/oriented nylon/CPP that reinforces the pack. The CPP material, the lamination and the P-Plus modified atmosphere technology come together with what Amcor's development manager Peter Ettridge says is a unique pouchmaking process.

"These fresh vegetable packs don't respond well to gas flushing, so we

reduce cube volume by up to 40 percent, says Cryovac. PD hears it can also improve storage and freight efficiency and lowers solid waste weight by about 80 percent.

With an easy-open prescored pad-dispensing feature, the economical, caseless package holds the same number of pads as similarly sized corrugated case, Cryovac says. After the wrap is removed, the compressed bags can be carried into a processing area without dusting. Bunzl (www.bunzldistribution.com) will be distributing the product for Sealed Air.



12.

developed Amcor P-Plus modified atmosphere, microperforation technology to improve product quality and to extend the shelf life of fresh-cut produce," he says. "We match the permeability of the pack to the respiration of the produce and maintain an aerobic, modified atmosphere."

Prepared vegetable mixes usually achieve a shelf life of seven to 10 days in the P-Plus MAP package, depending on the produce, he adds.

Flexo-printed on a Fischer+Kreke 16S gearless press, the pouch is gravure-pattern-coated with an antifog coating on the inside. Whitrose uses the pouch for ready-to-steam, fresh vegetables, as is Tesco for the EasySteam vegetable line.

Five Amcor sites are involved in developing the SelfVent pouch, including AF Winterbourne in the U.K., which provided bespoke, peelable CPP that AF's Colodense facility laminates to PET. The P-Plus MAP technology was applied at AF Ledbury, where the pouches were flexo-printed and pattern-coated with an antifog material. A three-ply laminate for the gusset is from AF Schupbach in Switzerland. Converting takes place at AF EuroPouch in Denmark.

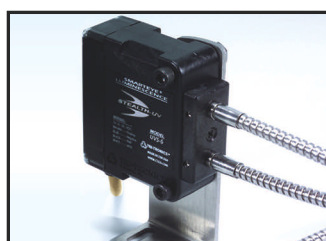
Space saver makes a compression

The Compression Pack for Cryovac's Dri-Loc® Pads (12) won the final Gold award, which is for environmental achievement. Made by the Cryovac Food Packaging Div. of Sealed Air Corp., the absorbent Dri-Loc pads are compression-packed in two-color-printed PE film and are overwrapped in a clear PE dust cover to create a tight, compact bundle.

The space-saving packaging can

More information is available:

Flexible Packaging Association, 410/694-0800. www.flexpack.org.
Amcor Flexibles, 44 1452 634100. www.amcor-flexibles.com.
Ampac Flexible Div., Ampac Packaging, 513/671-1777. www.ampaconline.com.
Alcoa Flexible Packaging, 804/281-2395. www.alcoa.com/flexiblepackaging.
CLP Industries Ltd., 973/808-4441. www.clppackagingsolutions.com.
Cryovac Food Packaging Div., Sealed Air Corp., 864/433-2000. www.sealedair.com.
DuPont Packaging and Industrial Polymers, 800/438-7225. www.dupont.com.
Flex Pack USA, Inc., 407/857-2883. www.flexpackusa.com.
Genpak LP, 905/727-0121. www.progressivepac.com.
LPS Industries, 800/275-6577. lpsind.com.
Printpack, Inc., 404/691-5830. www.printpack.com.



SMART EYE STEALTH-UV - Fiber optic luminescence sensor



SMART EYE EZ-PRO - Remote one-touch AUTOSET™ din-rail sensor



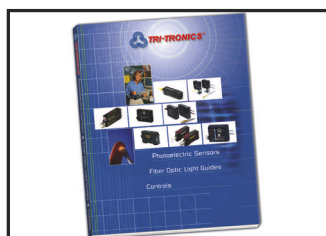
RETROSMART - Optimized for clear object detection



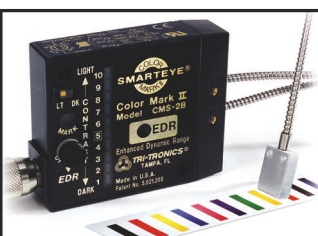
MARKEYE-PRO - Registration mark sensor with remote AUTOSET™



MARK-EYE - Color mark registration detection



User Guide
Order Online... ttco.com



SMART EYE COLORMARK II - High-speed registration mark sensor



FIBER OPTIC LIGHT GUIDES



LABEL-EYE \$99.00 USD



TRI-TRONICS®

Smart Photoelectric Solutions Since 1954



EZ™ EYE

One Sensor with Ten Sensing Modes

One-Touch Setup for...

- Object Detection
 - Web Break Detection
 - Counting
 - Inspection
 - Orientation
- and much more...

(800) 237-0946 • (813) 886-4000 • www.ttco.com/products/ezeye.aspx

Physicians' samples prescribe blisters

A new packaging line at Sanofi-Aventis' St. Louis plant produces two-unit blister-packs of Ambien supplied to physicians to hand out as samples.



Jack Mans, Plant Operations Editor

Sanofi-Aventis is the world's third-largest pharmaceutical company, with facilities in more than 100 countries. Its plant in St. Louis is strictly a packaging operation that runs products brought in from other Sanofi operations as well as from third parties. The newest line, installed in 2004, produces physicians' samples packaged in blister-packs. During *PD's* visit, the line was running blister-packs containing two 6.25-mg tablets of Sanofi's new extended-release AmbienCR®.

The operation starts with a Model UPS4-MT intermittent-motion blister-manufacturing machine from Uhlmann Packaging Systems (www.uhlmann-usa.com). "We have other Uhlmann equipment here in the plant, and we're very satisfied with it," says engineering group supervisor David Powell. "We consider Uhlmann to be the Cadillac of blister machines, and we wouldn't consider anyone else."

The machine was running a roll of clear, 10-mil Pentapharm® polyvinyl chloride mono film from

Klöckner Pentaplast (www.kpfilms.com) for these tablets. This is a single-layer film, but other products run on this line use film that includes a layer of Aclar® fluoropolymer film from Honeywell Specialty Materials (www.honeywell.com) laminated to the PVC. Ineos Films Inc. (www.ineosfilms.com) also supplies film for the blisters.

Film enters the machine and travels through a preheating station and then to a forming station, where compressed air with a plug assist forms 12 blisters per index, while the machine has paused between cycles. After the blisters are formed, the film moves to the tablet-feeding section, where a GFSII feeder from Gemel Precision Tool Co., Inc. (www.Gemel.com) moves up and down to fill 12 blister-packs with two tablets during each cycle. Tablets are conveyed from a floor hopper beside the Uhlmann machine up to a smaller hopper on top of the feeder. From there, a vibrating pan delivers the tablets into a bowl on the GFSII feeder that moves up and down and fills 24 individual plastic tubes that carry the tablets to the blisters. The feeder has two

plates that reciprocate during the feeding cycle. Both plates incorporate o-rings that capture the tablets, while transfers are taking place. These o-rings, which minimize product damage, are a key feature of the Gemel feeders. During each cycle, the top plate opens, and the line of tablets in each tube drops the length of one tablet to the o-rings on the top plate, after which the top plate closes across the tube, and the o-rings hold up the remaining tablets. The bottom plate then reciprocates, and the tablets drop down plastic chutes into the cavities in the blisters on the conveyor below. This vertical gating technique with the o-rings minimizes cleaning time and provides easy and gentle product release.

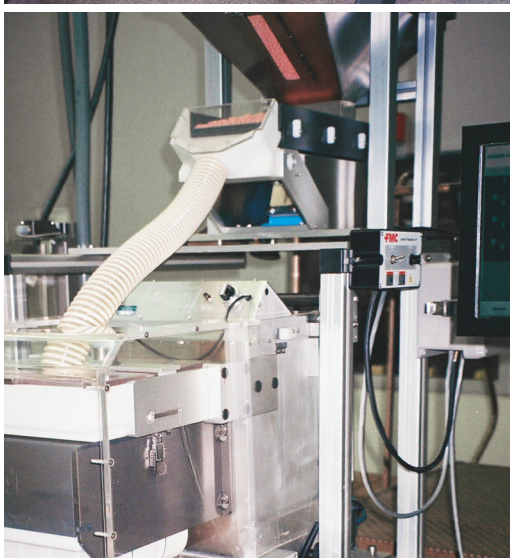
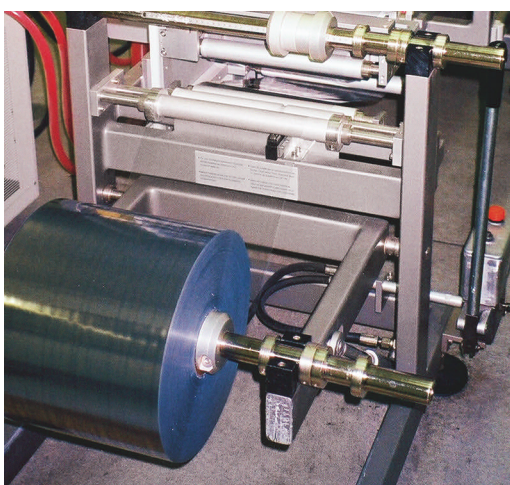
The web then travels beneath an Uhlmann VisioTec Visiochrom inspection system, which checks the blisters for position, presence, chips, shape and color fidelity. Results are displayed on the machine's touch-screen monitor, which records statistics for each blister and documents all parameters and measurement results for validation. When the system detects a bad package, it signals the programmable logic controller, which logs the blister into a shift register. This tracks that specific blister to a reject station located beneath the die-cut station, where it is ejected.

After leaving the inspection system, the blisters pass through a lidstock-sealing station. The lidstock is a roll of foil/poly/paper-laminated film, which is printed with the Ambien logo and colors on the foil top side, and contains instructions for opening the blister as well as dosage instructions on the paper bottom side. Suppliers of lidstock include Alcoa (www.alcoa.com), Alcan Packaging Pharma Center (www.alcanpackaging.com), and Hueck Foils (www.hueckfoils.net).

The lidding material enters from the rear of the machine and travels through a Model B12 flexo printer from Adolph Gottscho, Inc. (www.gottscho.com) that prints a lot code and expiration date on the paper side. The material is then pulled up above the machine and passes through a reversing shoulder that rotates the material 90 deg

Continued on page 36

A roll of clear, 10mil vinyl film is mounted at the inlet of the blister machine, far left, top. After the blisters are formed, the film enters the tablet feeder, where tablets are delivered to the individual blisters, far left, bottom. Lidstock enters the blister-manufacturing machine, passes through a flexo printer and then travels down to be sealed onto the top of the blister, left.



EZ0



EZ - EZT

No question about it: easy-opening pull-top ends on metal food packaging are driving new sales gains virtually everywhere.

But some are easier than others, and consumers are quick to notice.

In a recent hands-on comparison survey, 74% picked Silgan's latest Quick Top™ ends — nearly triple the number for competitors' ends combined.

No wonder marketers report double-digit volume lifts after switching to Quick Top!

Converting doesn't get much EZ-er than with Silgan, either. Most marketers can do so with virtually no line disruption — and for only pennies a can ... costs that could be offset by trade and retail promo savings alone, before counting sales gains.

Get the full story including food category trends, consumer preferences and more at a Packaging Insights meeting tailored to your brand needs.

It's EZ to schedule your meeting: just call.
818.348.3700.



All EZOs aren't created equal.

Silgan Quick Top™ convenience packaging, preferred 3-to-1 by consumers in a recent hands-on survey, helps drive sales for marketers who convert.



so that it is parallel to the forming material passing below. The lidding material then travels down to be sealed



STAR SCIENTIFIC packs "cigaletts," a smokeless tobacco product, into child-resistant blister-packs using a high-speed thermoform/fill/seal machine. Read about it at www.packagingdigest.com/info/star

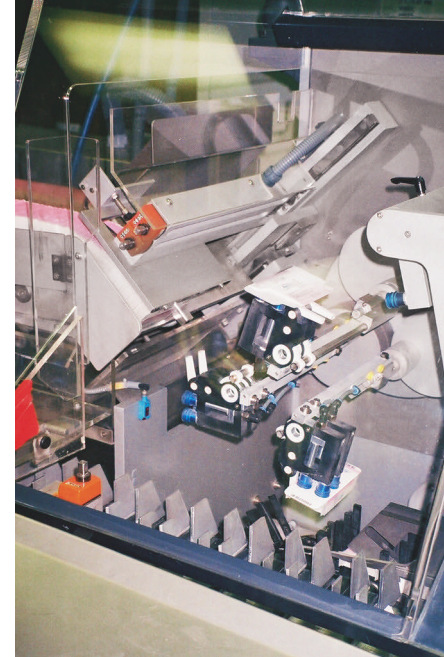
onto the formed web. A print-registration system looks for a black rectangular mark on the lidding material in order to ensure that it lines up

correctly with the formed web.

A single-stroke index immediately after the lid-sealing station pulls the material through the machine at 12 blisters/index. Next is a compensation loop that brings the material to the multistroke section of the machine, where the stations operate four times faster than the forming and sealing stations. The web of sealed blisters travels through a station that perforates the blisters so that a user can peel away the lidding material to access the product. The web of blisters then enters

a multistroke index, which advances one blister row per index. This is followed by a punch station, where the three blisters in that row are cut out of the web. The waste web is shredded, after which it discharges into a large plastic bag.

A lowerator device uses vacuum to hold the individual blister-packs and place them onto a cross conveyor as they are punched out of the web. At this point, blisters that have been selected to be rejected by the Visiochrom inspection system or other defect sensors are removed. As a further check, a reject-



End-load cartons are picked from a magazine by a rotating pickup system that prebreaks and preopens the cartons as they are placed into lugs on the conveyor.

verification system confirms the presence or absence of the blisters passing on the conveyor after the reject station, to make sure the packages that were supposed to be rejected were actually removed. If it detects a package that is not supposed to be present, it shuts down the blister machine and sounds an alarm.

A model Neslab HY300 chiller from **Thermo Electron Corp.** (www.thermo.com/tc) chills the water that is pumped through the blister machine to cool the blisters after they have been formed and after the top film has been applied and sealed.

The blisters travel single-file up the conveyor from the Uhlmann machine to a Model SC6 Cartopac cartoner from **IWKA PacSystems, Inc.**

(www.iwkapacsystems.com). The blisters drop into a vertical magazine from which an oscillating feeder places them into lugs on a conveyor passing below. Following this, a feeder from **RonTech AG** (www.rontech.ch), which IWKA PacSystems supplied, picks inserts from an inclined magazine and places them on top of the blisters in the lugs. Sensors installed downstream from the insert placer check for missing blisters and/or inserts, while a bar-code scanner checks to ensure that the correct insert has been placed.

Next the blisters and inserts travel to the carton-insertion section of the machine. End-load cartons are delivered in a magazine and are picked up by suction cups on three arms on a rotating pickup system that prebreaks and preopens the cartons as they are placed on the conveyor. An embossing wheel stamps lot code and expiration date on a major flap of each carton as it passes on the conveyor. Arms push the blisters and inserts into the cartons, after which the ends are tucked into place. The machine control keeps track of cartons that should be rejected because of an error, and a reject verification scanner checks exiting cartons and shuts down the machine if any discrepancy is detected. Another bar-code scanner checks each

Continued on page 38



same RING,
same TONE,
new NAME

Tapping into the Future

TapTone is now a member of the Teledyne Technologies family of companies, and our commitment remains the same—to provide the best in package inspection technology.

The name has changed, but the company and people you know remain dedicated to assuring the quality of your packaging. Teledyne TapTone will continue to operate from our Massachusetts and Illinois facilities, your points of contact will stay the same, and you will continue to receive the high quality inspection systems, service, and support that you have come to expect.

Now, with added resources and complementary capabilities of Teledyne Technologies, we are stronger than ever.



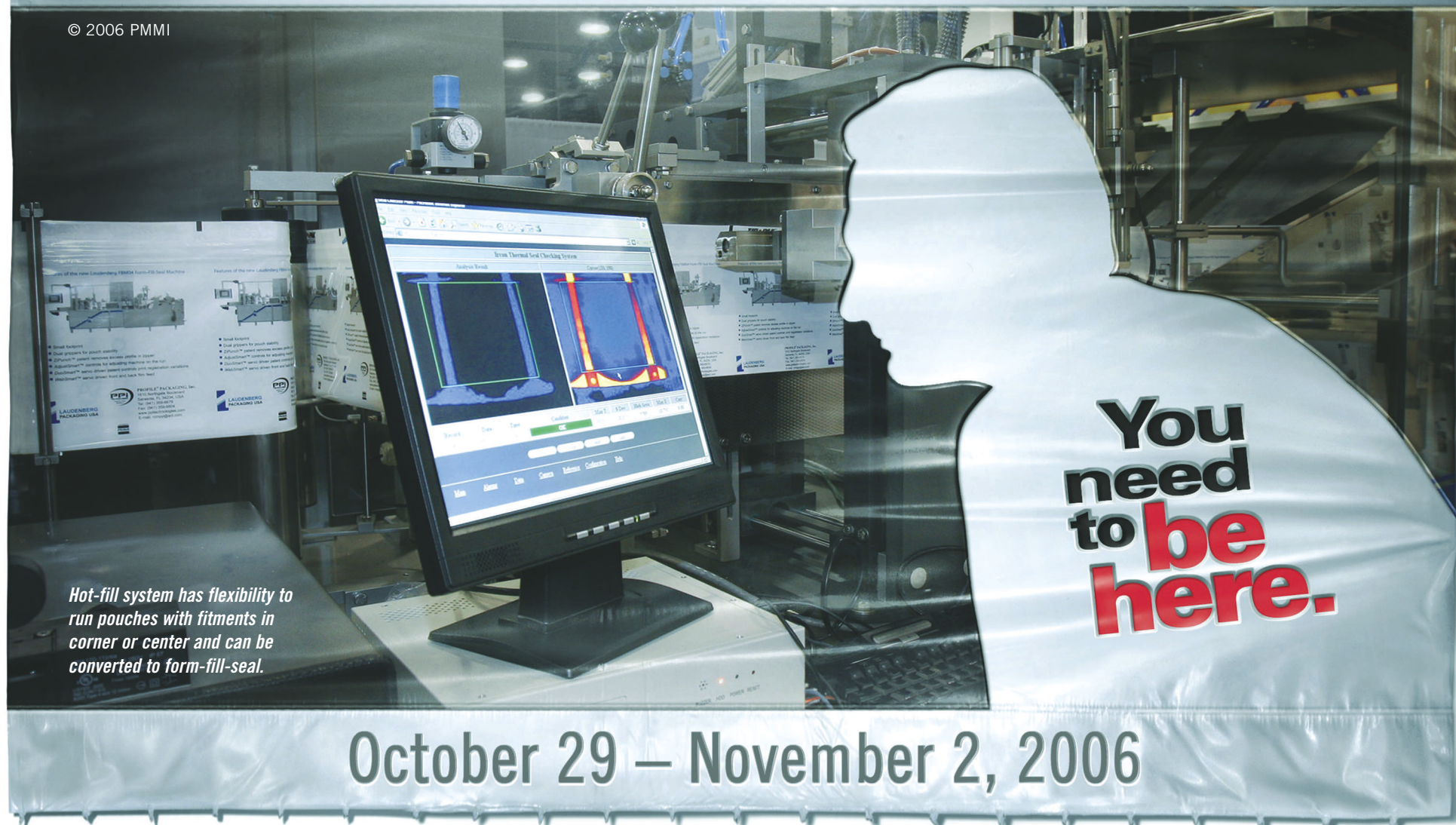
TELEDYNE TAPTONE
Package Inspection Systems
A Teledyne Technologies Company

TELEDYNE TAPTONE • Massachusetts 508 563-1000 • Illinois 630 377-7286 • www.taptone.com

You need to }

Cut costs and increase productivity.
Speed time to market.
Solve your packaging challenges.
Network with your peers.

© 2006 PMMI



Hot-fill system has flexibility to run pouches with fitments in corner or center and can be converted to form-fill-seal.

October 29 – November 2, 2006

McCormick Place Convention Center – Chicago, Illinois

- Explore innovative solutions from more than **2,000 exhibitors** spanning the entire packaging supply chain—packaging and converting machinery, processing technologies, services, materials, containers and components—all under one roof.
- Pinpoint valuable contacts, set up meetings and access the latest products and industry knowledge conveniently from your desktop using **My PACK EXPO**, the Web-based personal portal.

EXPLORE THESE MUST-VISIT ATTRACTIONS:

- BrandPackaging's "Packaging That Sells" Conference
- Brand Protection Center
- Containers & Materials Pavilion
- Contract Packaging Pavilion
- RFID Pavilion
- The Conference at PACK EXPO
- The Showcase of Packaging Innovations™



Co-located with:



Sponsored by:



Leading companies.
Leading solutions.

To learn more or to register, go to www.packexpo.com/reg

or call (888) 275-7664

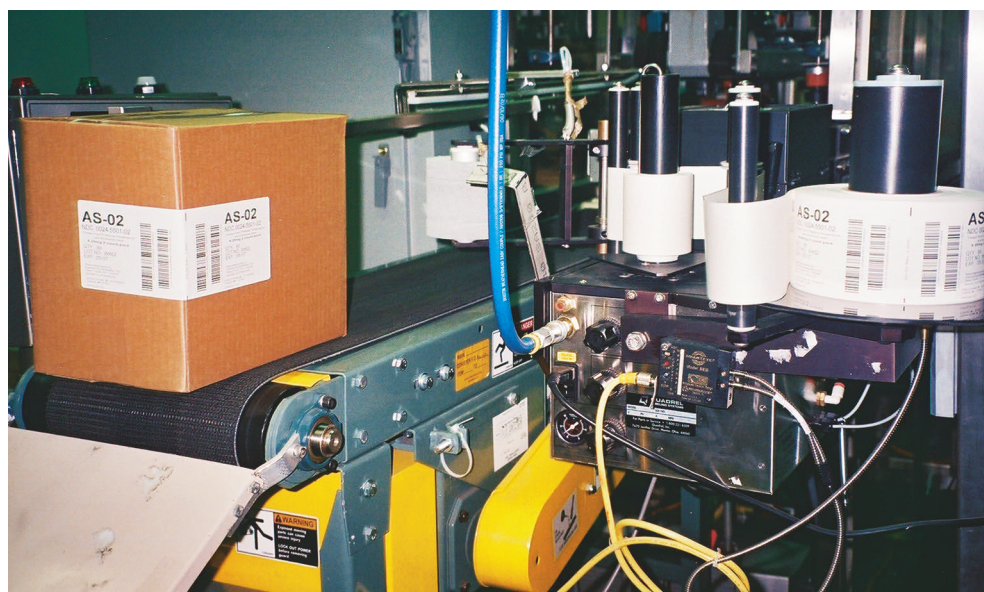
carton to ensure the correct carton has been loaded on the machine.

The cartons then travel over a Model 1500 checkweigher from **Boekels USA/IAI** (www.boekels.com). Next, they are manually placed into trays that travel past an Excel ink-jet printer from **Videojet Technologies, Inc.** (www.videojet.com), which applies the lot code and expiration date.

The trays enter a Model SE-10C bottom-loading case packer from **Sabel Eng. Corp.** (www.sabelengr.com). A servo-driven collation module stacks the incoming product in four layers of four

trays each and transfers the load to the elevator platform. Vacuum cups pull a flat case from the case magazine, and open and place it over the elevator platform, which rises to place the load inside the case. The bottom inner flaps are folded as the filled case is pushed free of the elevator platform, after which the remaining flaps are folded, and the top and bottom of the case are sealed with tape using tape-heads from **3M** (www.3m.com). Sabel's Model SE-10C is very compact and can be changed over in less than 10 min without using tools.

The case is then conveyed through a



Case labels are printed with two sets of product descriptions and bar codes, and the labels are applied around one corner of the case so they can be viewed from two sides.

labeler from **Quadrel Labeling Systems** (www.quadrel.com) with an M8485se print head from **Sato America, Inc.** (www.satoamerica.com). Each label is printed with two sets of product descriptions and bar codes, and the labels are applied around one corner of the case so the information is visible from two directions. The cases travel over a Micromatic checkweigher from **Mettler-Toledo Hi-Speed Inc.** (www.hispeedcheckweigher.com) for fill verification, after which they are manually palletized.



WE PUT THE IN PLASTICS

NPE 2006: The International Plastics Showcase

INSIGHT
INNOVATION
INSPIRATION
INGENUITY
DEAS
INFLUENCE
INTERNATIONAL

Create Fast-Moving Products with Eye-Catching Packaging

No other packaging material offers more design freedom than plastics. At **NPE 2006**, you'll see equipment and machinery for every packaging technology. Plus colorant manufacturers, labeling, decorating, marking technologies, and more. Find everything you need to create special-effect colors, intriguing shapes, and consumer conveniences that will move your products off the shelf. Fast.

REGISTER AT www.npe.org/packaging

June 19-23, 2006

McCormick Place

Chicago, Illinois USA

NPE 2006: The International Plastics Showcase



Sponsored by The Society of the Plastics Industry, Inc. • T +1.202.974.5235 • E npe@npe.org

More information is available:

Adolph Gottscho, Inc., 908/688-2400. www.gottscho.com.
Alcan Packaging Pharma Center, 502/647-2308. www.alcanpackaging.com.
Alcoa, 804/281-2262. www.alcoa.com.
BoekelsUSA/IAI, 201/651-0500. www.boekels.com.
Gemel Precision Tool Co., Inc., 215/355-2174. www.gemel.com.
Honeywell Specialty Materials, 908/730-6048. www.honeywell.com/aclar.
Hueck Foils, 732/974-4100. www.hueckfoils.net.
Ineos Films Inc., 302/838-4000. www.ineosfilms.com.
IWKA PacSystems, Inc., 973/227-5575. www.iwkapacsystems.com.
Klöckner Pentaplast of America, Inc., 540/832-3600. www.kpfilms.com.
Mettler-Toledo Hi-Speed, Inc., 607/257-6000. www.hispeedcheckweigher.com.
Quadrel Labeling Systems, 440/602-4700. www.quadm.l.com.
RonTech AG, 0041-0-81-257-01. www.rontech.ch.
Sabel Engineering Corp., 707/938-4771. www.sabelengr.com.
Sato America, Inc., 704/644-1650. www.satoamerica.com.
Thermo Electron Corp., 800/258-0830. www.thermo.com/tc.
3M, 800/722-5463. www.3m.com.
Uhlmann Packaging Systems, 973/541-6271. www.uhlmann-usa.com.
Videojet Technologies, Inc., 630/860-7300. www.videojet.com.



Allen-Bradley



YES!

**SEND ME THE
FREE ESSENTIAL
COMPONENTS
CATALOG**

HOW CAN YOU GET EASY ACCESS TO
ALLEN-BRADLEY ESSENTIAL COMPONENTS?

LISTEN.

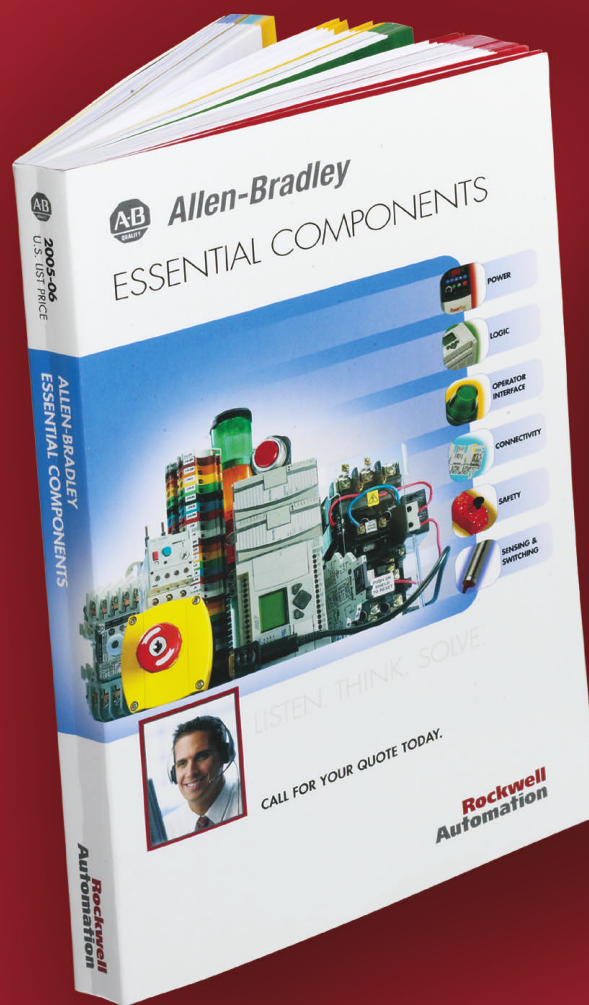
Introducing the NEW Allen-Bradley® Essential Components catalog from Rockwell Automation.

THINK.

Inside, you'll find our newest and most popular components at affordable prices. Get the right

SOLVE.SM

components, at the right price, right when you need them. Order your FREE catalog today!



- ✓ 10,000+ components
- ✓ Fast delivery
- ✓ Globally available
- ✓ Local service & support

800.230.4787

OR ORDER ONLINE:
ab.com/go/componentspd

ALLEN-BRADLEY • ROCKWELL SOFTWARE • DODGE • RELIANCE ELECTRIC

**Rockwell
Automation**



Flexing their muscles... with innovation

Flexible packaging experts highlight the latest trends to be showcased at PACK EXPO International in late October.

Innovation is one of the packaging industry's most prevalent themes. But, according to major players in the U.S.'s \$21.3 billion flexible packaging industry, innovation isn't seen as innovative thinking at all—it's accepted as the industry norm.

And this mindset won't be changing anytime soon.

Building on more than five decades of continuing innovation, industry leaders maintain that this key competitive advantage has allowed them to outpace other packaging options by nimbly responding to customer needs, aggressively pursuing opportunities to expand market share and forcefully moving into other product segments and geographic regions.

Let's look at the numbers. A recent study by the Flexible

Packaging Association (www.flexpack.org) reveals that the flexible packaging industry directly employs more than 80,000 people in the U.S. alone, accounting for more than 17 percent of the \$124 Continued on page 42

The Hot N Handy® pouch, top, was developed by Robbie Manufacturing to replace leaky and greasy packs for deli rotisserie chickens. The Microperf Dialyzer package, center, is an ethylene-oxide-sterilizable pouch adopted by Baxter Healthcare. Rollprint Packaging Products won the Highest Achievement and a Gold Award in the 2005 FPA awards competition for this package. Wasatch Ice Water Co. is bringing 20,000-year-old artesian water to market in a standup, flexible pouch, right, from Ampac Flexibles.



Distributor Inquires Invited



TAL-3000W

\$4,148.00

Designing and Building the Industry Standard in Label Dispensers and Applicators

Wipe-On Labeler

- ♦ Photo Cell Label Sensor
- ♦ Solid State Electronics
- ♦ Brushless DC Motor
- ♦ All Steel Frame

Round Product Applicator

- ♦ Open Carriage Design
- ♦ No Tools Required to Change Product Size
- ♦ Photo Cell Label Sensor
- ♦ Solid State Electronics

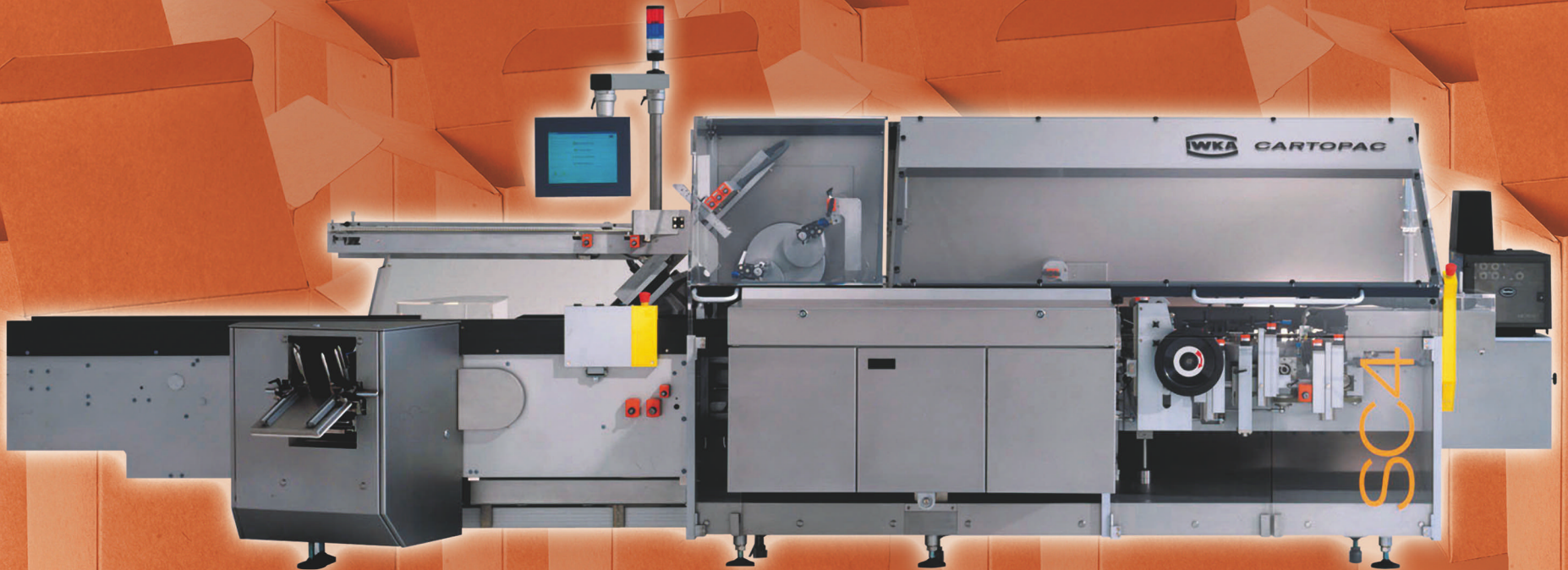


TAL-3000R

\$4,148.00

Phone: 616.837.9300 Fax: 616.837.9301
E-mail: takealabel@msn.com * www.take-a-label.com

Cartoning perfection isn't born,



it's carefully engineered.

The S Series of Cartoners from IWKA.

IWK, already a worldwide leader in cartoning technology, now brings you the S Series of Cartoners, equipment that takes cartoning speed and flexibility to the next level.

Open for business.

A real innovation is our unique carton-opening system, which opens cartons before they reach the transport lug. This little bit of smart engineering eliminates the possibility of unopened cartons entering the machine.

The need for speed.

Take your choice from a number of possibilities. The S Series of Cartoners offers a variety of speed options that range from 70 cartons/minute right up to 500 cartons/minute.

The need to feed.

In addition to IWK's vast experience with standard applications, we bring true flexibility to precision cartoning with custom-engineered infeed systems that enable multiple components of varying sizes and shapes to be efficiently loaded into the same carton.

Servos that actually serve.

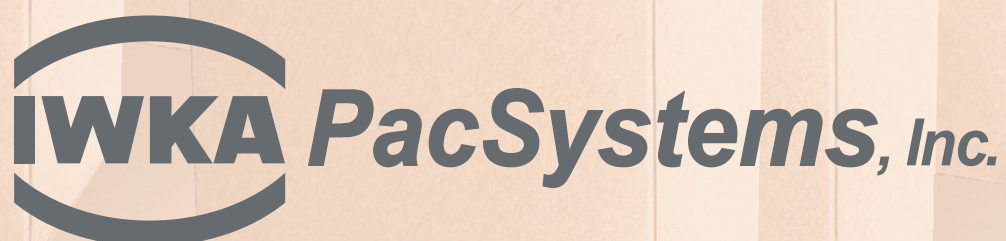
It's about uptime. IWK makes reliable servo-driven technology that is more mechanic-friendly, easier to maintain, and quieter to run.

Everything you want in a cartoner, including CFR 21 compliance, is just a phone call away. Contact us at



One carton, multiple items.

(973) 227-5575.



39 Plymouth Street, Fairfield, NJ 07004
(973) 227-5575

www.iwkapacsystems.com

sales@iwkapacsystems.com

EXPAND YOUR POSSIBILITIES WITH AFFORDABLE SHRINK SLEEVE LABELS

No matter what size your run, Color Craft utilizes flexographic printing to make shrink sleeve labels affordable - at a fraction of the prep cost of rotogravure presses. Color Craft offers in-house prepress and design services and operates state-of-the-art equipment, ensuring you receive superior quality. With more than 40 years of experience, we accept nothing less. Call Color Craft today to find out how you can expand your possibilities.

Want to find out more about affordable shrink sleeves?

Call Color Craft at 800-876-2656 or go to www.colorcraftlabel.com.

FLEXIBLE PACKAGING DIVISION



Kraft is providing consumer convenience to its shredded cheeses with a reclosable slider zipper from Zip-Pak.

billion domestic packaging market. More than 55 percent of flexible packaging is for retail and industrial food applications.

With that kind of power, it's no wonder flexible packaging advancements will be in abundance at this fall's **PACK EXPO International 2006** (www.packexpo.com), sponsored and produced by the **Packaging Machinery Manufacturers Institute** (PMMI [www.pmmi.org]). Here's an early preview of some of the trends that will be highlighted at the show, being held Oct. 29 to Nov. 2, at Chicago's McCormick Place.

up to enhanced branding and in-store marketing opportunities for both consumer product companies and burgeoning private-label retailers.

While an obvious issue, safety remains, quite rightly, a primary focus for the industry. "Product safety, absolutely, is a very important factor in packaging decisions," says Alan Roberts, vp of processor sales for **Robbie Manufacturing**



To view the **SILVER AWARD WINNERS** from this year's Flexible Packaging Association competition, go to www.packagingdigest.com/info/silver

Students of World War II will readily recall the Big Three of that era: Winston Churchill, Franklin Roosevelt and Josef Stalin. Overseeing the war effort and planning the shape of the post-war world, this trio left their imprint on the world. Their decisions, and the ramifications of their agreements, continue to reverberate.

Flexible packaging thought leaders have their own Big Three to lead them in the battle for market supremacy. The following key themes will undoubtedly mold the industry's growth in the years to come:

Safety: The development and implementation of new films and protective substrates will allow the industry to expand its reach within the food industry while also making strides in other markets.

Consumer Convenience: Packaging that eases consumer use (and reuse) and incorporates materials that can withstand heating and freezing, along with visible, value-added features such as reclosable technologies and convenient carrying handles, will grow in importance.

Shelf Appeal: The catchphrase across all packaging segments has clear implications in the flexible packaging arena. Advances in materials, printing technologies and structural designs add

(www.robbiemfg.com). "Films used in today's packaging have to be top quality to meet the needs of specific applications. They are required to be puncture-resistant and engineered with barriers for moisture and gas transmissions for both hot and cold applications." Citing examples from frozen foods' sharp edges that tear packaging and provide openings for contamination to tampering of deli packaging handled many times in the cases before being selected, Roberts maintains that "structural integrity is extremely critical."

But the food market isn't the only place where safety comes first. Expansion into pharmaceutical and medical-device applications, which currently makes up 8 percent of flexible packaging's market share, according to **Smurfit-Stone Container Corp.** (www.smurfit-stone.com), reinforces the need for safety.

According to Tony Paolino, director of sales and marketing for **Rollprint Packaging Products** (www.rollprint.com), "medical and pharmaceutical packagers continue to look for lower-cost alternatives—without sacrificing performance."

Marla Donahue, president of the FPA, concurs that nonfood flexible packaging growth will be seen in the Continued on page 44

The Scoop Seal technique is the most unique package on the tube market today. Not only is the seal attractive, it is also useful. The ergonomic design provides you with the perfect grip to squeeze all of the product out of the tube. The design is all compact, which allows more space in each tube tray and pallet, maximizing your storage capacity without compromising your product volume.

Scoop Seal™



Here's the Hot Scoop

NORDEN, INC.
A Division of the Sirius Machinery Group
230 Industrial Parkway, Branchburg, N.J. 08876 USA
Phone: (908) 707-8008 ♦ Toll Free: (800) 526-5074
Web: www.nordenmachinery.com





"I need to inspire my packaging team. We need cutting-edge ideas and top-level information to help us develop and process better packages..."

...where do I go?"

PACKAGING SUMMIT CONFERENCE



Contact Jim Peters at 630-696-4011, jpeters@pkgsummit.com

May 16-18, 2006

**Donald E. Stephens Convention Center
Rosemont, Illinois**

IN COOPERATION WITH



www.pkgsummit.com

medical-device and pharmaceutical arena, as well as increased use of shrink and stretch films. Advances in barrier and multifunctional films play a large role in this key area of growth in flexible packaging. Also driving growth are “innovative materials that add to product safety and protection, as well as materials that add traceability,” says Donahue.

Working closely with film manufacturers, consumer product companies and private-label manufacturers continue to develop new films that are tough enough to stand up

Flexible packaging thought leaders have their own **Big Three** to lead them in the battle for market supremacy.

to the changing environments of production, shipping, hot deli cases and other retail displays, freezer cases and home storage.

Safety remains a primary benefit of flexible packaging; one compromised package can inflict great harm on a product or brand.

The rise of the two-income family, extended work hours and the effects of globalization on lifestyle choices are among the pressures today's busy consumers face. Flexible packaging continues to innovate to meet the needs of a more harried, time-pressed generation.

George Thomas, vp and general manager of Ampac Flexibles (www.ampaconline.com), maintains that the convenience trends taking over the entire packaging industry will continue to favor flexible packaging over other structures in the future. “The ability to mold and design more convenient packages that preserve the nutrition and quality of foods and protect drugs is only going to improve,” he says.

“The desire for convenience and product protection is driving the need for more and more resealable packaging solutions,” concurs Robert E. Hogan, director of international sales and marketing for Zip-Pak (www.zippak.com). “Focus-group studies reveal that consumers embrace flexible packaging with zippers and are willing to pay a premium for the added convenience. This trend is demonstrated by the popularity of ‘slider’ technology.”

Robbie Manufacturing's Downing also agrees: “Packaging attributes designed to cater to the on-the-go lifestyle of the busy consumer will continue to grow in importance. In addition to easy-opening features and reclosable zippers, other innovations like handles for easy carrying and leak-resistant technology are important.”

FPA's Donahue notes that strong growth is forecasted in meat, cheese, dry foods, shrink multipacks and overwraps for beverages.

Rollprint's Paolino sums it up, stating that “technology-driven flexible packagers constantly have to search for unique applications that require value-added structures and services.”

In the quest for consumer success, product safety is an essential attribute. And while many convenience-enhancing features, such as reclosable zippers and easy-to-carry packaging are easily identifiable, other technological innovations are more covert, adding to functionality but hidden from busy consumers faced with an ever-increasing selection of products on store shelves. This leads us to the linchpin of the Big Three: Shelf Impact.

“Consumers are the driving force in today's move to flexible packaging,” asserts Downing. With consumers spending only seconds in the grocery store aisle making their purchase decisions, Downing says that marketers and package designers are using “high-end, attention-grabbing designs to help differentiate products on the shelf to help the consumer in their decision making. The overall package communicates the integrity of the product inside.”

Donahue agrees, citing that “advances in printing and materials have resulted in the dramatic shelf impact of flexible packaging.” Examples can be seen in the FPA's 2006 Flexible Packaging Achievement Award winners (see page

There's a clear winner.

Add the advantages... and the savings

Visit www.actech.com/smv



Price

The lowest cost of acquisition for any enclosed AC vector drive.

Simplicity

Traditional AC Tech common-sense engineering at its best!

Productivity

The EPM memory module lets you configure multiple drives in seconds.

Performance

AC drive capabilities are taken to an entirely new level.

Convenience

Wide range of voltage, connectivity options and enclosure choices.

Overall value

Unsurpassed in all categories.

Lenze

AC Tech

1-800-217-9100
www.actech.com

22). Within the printing category, winning packages include a standup pouch produced by CLP Packaging Solutions (www.clp-packaging.com) for a Marks & Spencer sauce. "Its rich, luminous graphics clearly communicate luxury," says Donahue.

"Another FPA winner, the M&M Holiday Special package, uses SonoMet technology from Sonoco Products Co. (www.sonoco.com), a combination of ink and cylinder technologies aligning specific cylinder engraving patterns and design manipulations, giving the packaging a metallized appearance," Donahue continues. A newer innovation, using a reverse-printed, flexo prepress platemaking process, has improved graphic reproduction, offering

Marketers and package designers are using high-end, attention-grabbing designs to help differentiate products on the shelf to help the consumer in their decision making.

"increased image sharpness, brighter colors, higher densities, smoother vignettes and cleaner text," she notes.

In addition to moving product off the shelf, successful packaging must also communicate safety and convenience. Thanks to several technology advancements, flexible packaging seems well positioned to deliver the right mix of impact and convenience that today's consumers seek.

"With 3D CAD systems design, high-speed, computer-based motion controls and high-tech composites and materials, technology is changing the way we produce, fill, distribute and use packaging to improve the quality of life," summarizes Ampac's Thomas.

The results of these advancements are reflected in packages recognized by the 2006 Flexible Packaging Achievement Awards program. Winning designs will also be featured in The Showcase of Packaging Innovations™ at PACK EXPO this fall.

The themes of safety, convenience and shelf impact clearly comprise the Big Three in flexible packaging. These key attributes and benefits will continue to aid in the growth of flexible applications domestically and internationally, both in its traditional role in the consumer food industry and in other market segment applications.

Although challenged in the last year by increased raw material costs and lower profitability in the wake of Hurricanes Katrina and Rita, growth in the flexible packaging industry still came in at a robust 3.8 percent, continuing its trend of outpacing the GDP.

Should we be surprised? Not at all. After all, 50 years of inspired innovation and continued growth demonstrate

that this is one industry prepared for a profitable and growing future. For those wanting to join in for the ride, a visit to PACK EXPO International this October is a great place to start.

For more information about PACK EXPO International 2006, visit www.packexpo.com. Or contact PMMI's Show Department at 703/243-8555; fax 703/243-8556; or e-mail expo@pmmi.org.

More information is available:

Ampac Flexibles, 800/543-7030. www.ampaonline.com.
CLP Packaging Solutions, 973/808-4441. clp-packaging.com.
Flexible Packaging Assn., 410/694-0800. www.flexpack.org.
PACK EXPO Intl., 703/243-8555. www.packexpo.com.
Packaging Machinery Manufacturers Institute., 703/243-8555. www.pmmi.org.
Robbie Manufacturing, 800/255-6328. www.robbiemfg.com.
Rollprint Packaging Products, 630/628-1700. www.rollprint.com.
Smurfit-Stone Container Corp., 877/772-2932. www.smurfit-stone.com.
Sonoco Products Co., 843/383-7000. www.sonoco.com.
Zip-Pak, 800/488-6973. www.zippak.com.



From the labeling, coding and marking specialists.



Printer Applicators

Laser Coders

Inkjet Printers

Thermal Transfer Overprinters

The Specialist To Call On For Your Product Identification Challenges

When it comes to Product Identification, you can count on the specialists at ID Technology to have all the answers.

IDT brings years of experience, the latest technology and a complete range of labeling, coding and marking products to solve your Product Identification challenges. So whether you need print and apply, high-resolution inkjet or laser coding, or thermal transfer marking, IDT has the right solution for your needs.

Make sure to ask about the complete line of IDT consumables and how using them can qualify you for our limited lifetime warranty on all IDT parts

and services – just one more reason to call the specialists at ID Technology.

And best of all, every ID Technology product is backed by our nationwide network of PMMI certified service technicians. To talk with the specialist nearest you, call **888-438-3242**, or visit www.idtechnology.com today.



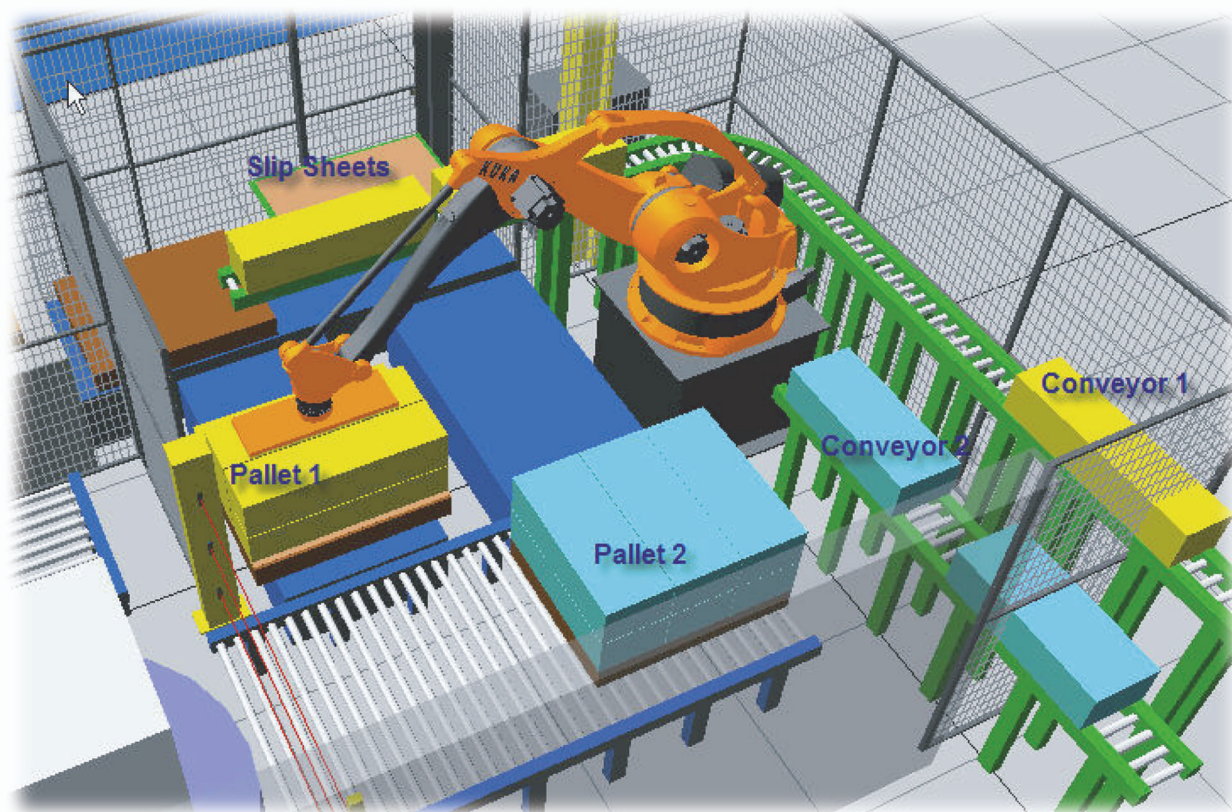
To ensure optimal performance and reduced operating costs, be sure to use IDT labels, ribbons and inks.

ID TECHNOLOGY
 Labeling Coding and Marking Specialists™

2051 Franklin Drive • Ft. Worth, TX 76106 • 888.438.3242 • www.idtechnology.com

A Division of Pro Mach

© 2005 ID Technology.



Palletizer does double duty

Guida's Milk & Ice Cream, New Britain, CT, is one of the largest independent dairies in New England. Since 1886, Guida's has had the reputation of supplying the finest products and service to its large customer base. With its fleet of more than 200 vehicles, Guida's Milk & Ice Cream delivers fresh dairy and dairy-related products throughout southern New England. Its service area includes Massachusetts, Rhode Island, Connecticut, northern New Jersey and New York State, including Long Island. With an 18-day code on all of its fluid milk products, Guida's can

High-speed robotic palletizer at Guida's Milk & Ice Cream packs a wide range of case sizes on two pallets simultaneously.

guarantee the utmost integrity of its product line. The company also processes a full line of ice-cream mixes, fruit juices, fruit drinks and water to meet virtually all of its customers' needs.

Until recently, the dairy's production line ended with manual palletizing of its 8-oz to 1-gal milk products. Employees, who were needed elsewhere in

manufacturing, were required to do the physically demanding and potentially dangerous work. The company needed to find a solution that would increase the efficiency and speed of the operation and provide a safer working environment for employees. Guida's turned to its partner, **Dyco, Inc.** (www.dyco-inc.com), to develop a solution. For the past 10 years, Guida's has been working with Dyco, a leading manufacturer and integrator of turnkey container-handling systems, for all its handling needs.

Dyco had recently developed a new palletizing system using robotics and, after evaluating the dairy's operations, suggested a fully automated

Visit our website! www.unitpack.com

Contract Packaging of liquids, gels and creams for all industries.

The Unit Pack name is synonymous with innovative research and improvements in unit-of-use packaging and we stand ready to serve your needs. Select the perfect size and shape, from 1/2cc to 90 cc to hold precisely the amount of product desired.

Telephone us toll-free 877-930-3200 or e-mail sales@unitpack.com today for our brochure and samples.



Unit Pack Co., Inc. 7 Lewis Road, Cedar Grove, NJ 07009-1498
Phone: 973-239-4112 / Fax: 973-239-0429



palletizing system using a Kuka KR 180 PA robot from Kuka Robotics Corp. (www.kukarobotics.com). The company's new automated system is being used to palletize two lines of milk products. Depending on production demands, the Kuka KR

placed into the tray-packs for transport via this second conveyor line to the palletizer. The two conveyor lines enter the palletizer area, one above the other, and one line wraps around the back of the robot, resulting in a conveyor on each side of the palletizer.

An additional unique feature of the robot is its ability to assemble partial pallets of the products it is palletizing, thus allowing the company to palletize and ship less-than-full pallets without additional labor costs.

180 PA robot runs from 12 to 16 hours a day, six days a week, making the dairy more productive and efficient. Additionally, the new system has allowed the company to free up two employees who are now assigned to less physical and more intellectually demanding projects elsewhere in the dairy. This increases job satisfaction and safety for the employees, while increasing production speed and accuracy for the company.

On one production line, the milk is filled into half-gallon or gallon jugs, depending on which product is being produced that day or that shift, and is conveyed to the palletizing cell. Eight 1/2-gal jugs or four 1-gal jugs are placed in corrugated cases, which are then conveyed to the Kuka KR 180 PA robot to be palletized. Simultaneously, on a different filling line, either 10- or 16-oz, single-serve bottles are being filled and placed into tray-packs. Twelve 10- or 16-oz containers are

The new system has a pallet conveyor on each side of the robot that slides an empty pallet into place. The pallets are fed to the robot by a pallet dispenser that holds about 25 pallets and dispenses them out the bottom one at a time. The robot cell, controlled by a centralized programmable-logic controller, palletizes product onto each



For more stories about **ROBOTIC PALLETIZING OPERATIONS**, subscribe to *Packaging Digest's Automation & Controls e-letter* by visiting www.packagingdigest.com/eletter

of these two pallets.

The gallon cases are palletized four cases at a time, three rows per layer and four layers per pallet, for a total of 48 cases per pallet. The 1/2-gal cases are palletized five at a time, three rows per layer and four layers per pallet, for a total of 60 cases per pallet. The pint and 10-oz packs are picked four at a time, 20 packs per layer. Pallets of pints Continued on page 48



The new, automated system uses a four-axis robot with a passive fifth axis to palletize two lines of milk products simultaneously. One line runs one-gal and 1/2-gal jugs that have been placed in corrugated boxes, left, while the other runs 10- and 16-oz plastic containers that have been packed in trays, right.

drying experience



Frustrated by moisture related issues affecting product quality or production? Top processors and packagers rely on Paxton's experienced team and our high velocity Air Knife Systems.

- Precision engineered for reliability and low maintenance
- Energy-saving efficiency
- 100% Performance Guarantee

Paxton...leading the science of high performance drying.

Call 800-959-8884 (U.S. & Canada) or 513-891-7474 (Worldwide). Or, get an online "Quick-Quote" at paxtonproducts.com.

PAXTON
PRODUCTS

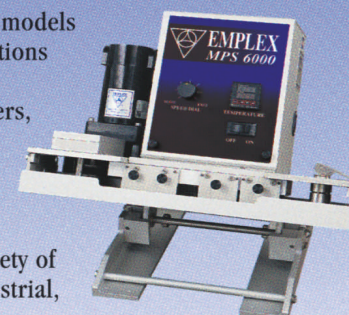
An ITW Company

CONTINUOUS EVOLUTION



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

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



The MPS 6000 & MPS 7000 Series Rotary Band Sealers

EMPLEX

EMPLEX SYSTEMS INC.

Toll Free: 1-800-265-1775

Phone: 416-291-8085 Fax: 416-298-HEAT (4328)

www.emplex.com

info@emplx.com

contain 120 packs, and the 10-oz packs are palletized at 180 packs per pallet. When it is running at full speed, the robot can make seven picks per minute, turning out a full pallet in less than four minutes.

The smaller, tray-packed products come into the cell at a faster speed. To compensate, the robot is programmed to palletize some product from Line One and then some from Line Two, alternatively picking up from the

two lines until there are two complete pallets.

An additional unique feature of the robot is its ability to assemble partial pallets of the products it is palletizing, thus allowing the company to palletize and ship less-than-full pallets per its customers' specific purchase orders without additional labor costs. Additionally, the robot has the ability to intersperse



The carbon-fiber-composite robotic arm demonstrates extremely high stiffness characteristics that enable it to stack loads weighing up to 180 kg to heights up to 3 m.

slipsheets (thin pieces of paperboard approximately 40 × 46 in.) between case layers to provide stability to the finished pallet. Once a pallet is complete, the pallet-conveyor system moves the pallet out of the cell to a stretch-wrap cell, and a new empty pallet takes its place.

The Kuka KR 180 robot used in the operation is a four-axis robot with a passive fifth axis, whose application-specific, kinematic system guarantees an efficient palletizing process. It is specifically designed for high-speed, heavy-payload palletizing/handling tasks, up to 180 kg. The robot's large working envelope and small footprint enable it to service several conveyors with a minimum space requirement. Its arm is made of carbon-fiber-composite material, giving it a smaller moment of inertia and, thus, allowing the arm to achieve excellent acceleration rates. Despite its lightweight construction, the arm demonstrates extremely high stiffness characteristics, allowing the KR 180 PA to stack loads weighing up to 180 kg to heights up to 3,000 mm at rates as high as 1,800 palletizing cycles/hr.

Guida Dairy's new, automated operation has allowed the company to increase production, efficiency, throughput and job satisfaction, while decreasing work-related injuries. Dyco's integration expertise, coupled with Kuka Robotics' high-performance, high-speed robot, successfully met and exceeded the dairy's palletizing challenge.

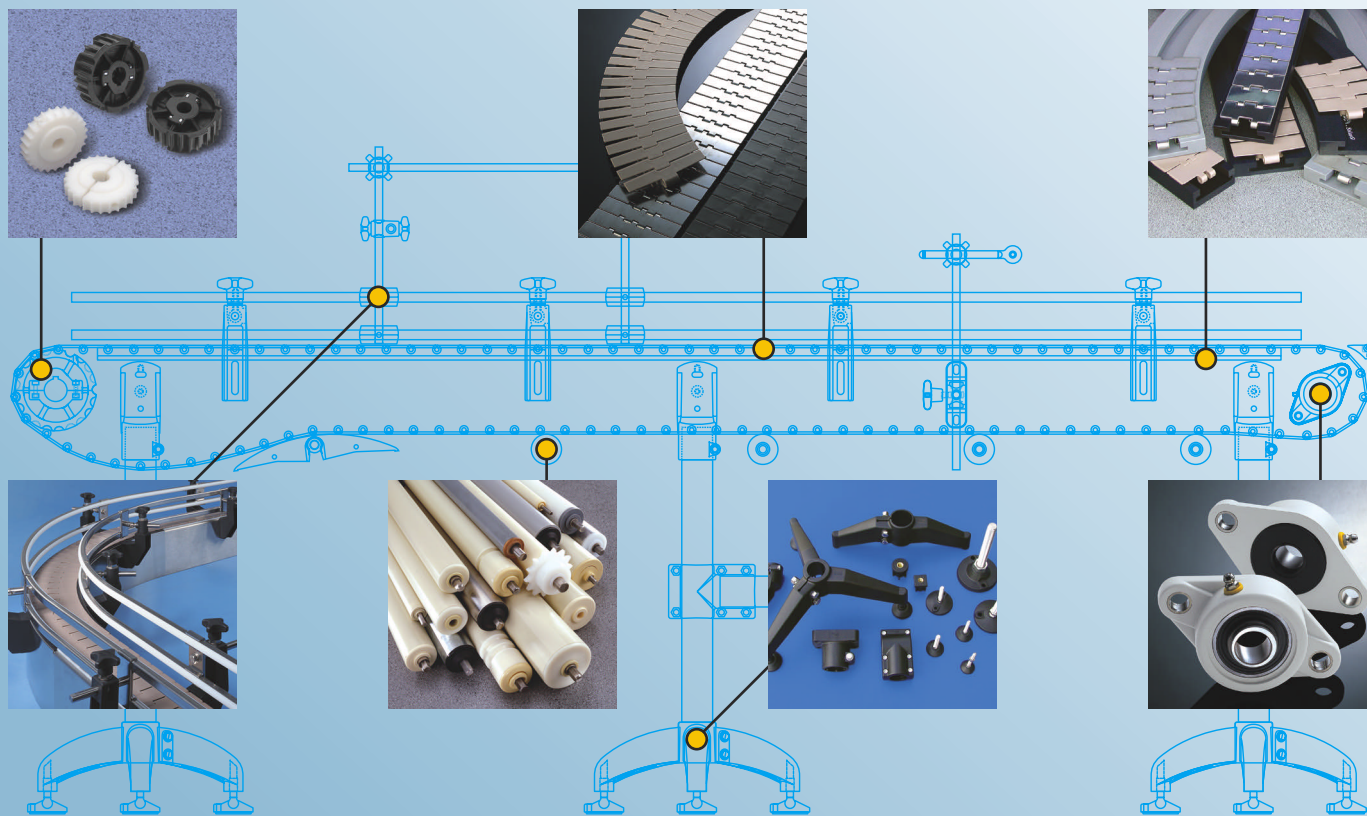
One Call Does It All

Solus is committed to being your single source provider

The most extensive conveyor product offering for the packaging industry comes from Solus, the source for System Plast Components, Valu Guide Components, Flexon-System Plast Chains, and parts from Nolu Plastics. These product groups are comprehensive, industry proven, and designed to work together.

Integrated Solutions

From conveyor components, guide rails and wear products to special material conveyor chains, sprockets, mounted bearings and leveling pads, Solus offers these products from locations across the country. Solus brings worldwide product innovation and manufacturing efficiencies that ensure high quality and competitive pricing.



Visit your nearest distributor or call Solus Customer Service at: **(866) 765-8744** fax: **(866) 447-6587**
S O L U S I I 4 4 S O L U S

Solus
A System Plast Group Company



More information is available:

Dyco, Inc., 570/752-2757.
www.dyco-inc.com.
Kuka Robotics Corp., 866/873-5852.
www.kukarobotics.com.



X = Washing down and firing right back up



X-series™ —the industry's premier IP 69K compliant checkweigher

Hi-Speed's rugged, IP 69K compliant X-series was designed from the ground up to handle serious water—with machined connections, watertight seals, and durable enclosures for faster, safer washdowns. X-series features an open frame for clear-sight inspection, and crevice-free curves allow easy cleaning to get your line up and running faster. One person can manage the removable modules solo,

and no tools are required to disassemble and reassemble the machine for quick changeovers.

X-series features an extra large, super-crisp 15" user interface for checking your line from up to 12 feet away, so that fewer people can do more in less time. Integration of inspection devices—metal detection, RFID tag readers—through only one controller allows single-source data and reporting. Factor X-series into your productivity equation.

See the X-series in action—call or e-mail for a free video to play on your computer or TV.



X-series

Factor it into your productivity equation

HI-SPEED

Checkweighing

Mettler-Toledo Hi-Speed, Inc.
5 Barr Road, Ithaca, NY 14850
Toll free: 800-836-0836
Tel: 607-257-6000
Fax: 607-257-5232
Email: hispeed@mt.com
www.hispeedcheckweigher.com

METTLER TOLEDO

Optical technologies protect luxury goods

Luxury goods brand owners Domecq Bodegas of Spain and China's Hongta Group rely on high-end, optically variable devices created by Kurz Transfer Products, L.P. to secure and authenticate their wine and cigarette products, respectively.



Anne Marie Mohan, Senior Editor

For those of you who may believe fake goods are confined merely to cheap knockoffs of handbags and sunglasses, “law enforcement officials say that your perception of the problem is perhaps a generation out of date,” reads a recent report from the **National Chamber Federation** (www.uschamber.com/ncf), an independent, nonprofit, public-policy think tank affiliated with the U.S. Chamber of Commerce. According to the NCF, the Federal Bureau of Investigation, Interpol and the World Customs Organization, approximately 5 percent to 7 percent of the world’s annual trade is in counterfeit goods. This translates to nearly \$512 billion in global sales lost each year.

In the last decade, counterfeiters have gained increased accessibility to technology and other resources, so that virtually anything that can be manufactured, traded, imported or sold is now a potential target for intellectual property (IP) theft. Those items most under siege include high-value products such as pharmaceuticals (\$22 billion globally), software (\$12 billion) and apparel and footwear (\$12 billion), as well as cosmetics, cigarettes, alcohol and more.

But the cost of IP theft goes far beyond the dollars and cents: Counterfeiting quashes investment and innovation, threatens public health and safety, results in lost jobs (more than 750,000 in the U.S. alone) and has links to terrorism and organized crime.

Now, more than ever, it is vital for brand owners to implement brand-protection strategies that secure their IP investments and maintain the integrity of their products. One of the major tools in the brand

owner’s arsenal is security packaging, which involves the use of various materials and technologies to authenticate their brand. These technologies can be overt (easily identified by the human senses), covert (detectable with simple technical tools) or forensic (only revealed through sophisticated forensic tools), or a combination of all three.

In the case of two luxury-brand owners, vintner Domecq Bodegas of Spain and cigarette-maker Hongta Group of China, complex, optically variable

We’re doing our job if somebody tries to knock off our OVD because we’re going to be able to tell if it’s fake.

devices (OVDs), also known as holograms in their simpler forms, from Kurz Transfer Products, L.P. (www.kurzusa.com), are providing brand authentication to thwart would-be counterfeiters.

Holography is an advanced form of photography that allows an image to be recorded in three dimensions. Invented in 1948, the science of holography did not advance much until the 1960s, when the laser was introduced. In packaging, holograms are used for two purposes: promotion and security, with brand

enhancement making up an estimated 90 percent of the market, according to Brad Long, business development manager, Brand Protection, for Kurz.

Long adds that the most widely used type of hologram for package decoration is the dot matrix, which consists of computer-generated arrangements of dots in a screen that give off different light effects from different viewing positions. “Dot-matrix technology is the one you see on the toothpaste boxes, on videos and on gift-wrapping paper,” he says. “This is very prevalent. There are thousands and thousands of manufacturers of this type of imagery.”

Standard holograms, which include dot-matrix, two-dimensional, three-dimensional and 2-D/3-D styles, are made up of a collection of microscopic peaks and valleys, called interference patterns, on a plate surface. Two-dimensional holograms are based on a 2-D graphic image, where all elements of the design appear in a single image plane. Three-dimensional styles are produced by capturing a 3-D model in a 1:1 size ratio. Three-dimensional holograms show a realistic, in-depth image that requires a strong, direct light for optimal viewing. Two-dimensional/3-D holograms show two or more 2D images in parallel image planes, producing a “perspective effect” and creating the illusion of depth.

Hologram creation involves simultaneously exposing a selected piece of artwork, either a 2-D graphic or a 3-D model, and a photosensitive recording material with laser light in a certain way. Through this process, the desired image is recorded as a complex, microscopic pattern called a holographic interference pattern, or a master hologram. The master hologram can then be replicated via nickel electroforming to create a working shim, or what Kurz Continued on page 52

HSAUSA's Low Maintenance, Cost-Effective Marking and Coding Solutions Rely On Hewlett-Packard Printing Technology

Integrated solutions for end users and
OEMs include covert marking.



Whether the project
is printing on the
sides of low-profile
soda cartons,

replacing high-maintenance continuous inkjet systems
or providing covert carton marking for an auto parts
supplier, HSAUSA has "been there, done that."

HSAUSA serves the packaging industry with
product handling, marking and coding solutions that
include printers, controllers and software designed to
meet the requirements of the pharmaceutical,
cosmetic, food and other industries.

HSAUSA offers printers that incorporate HP
thermal inkjet technology because HP cartridges with
no moving or wearing parts provide the maintenance-
free service and low cost-of-ownership on which
HSAUSA has built its reputation.

HSAUSA printers are available with stalls for up to
eight HP cartridges which can print at resolutions of
up to 600 dpi. Both top mount and side mount stalls
for marking carton tops and sides are offered. One
model incorporates four print cartridges arranged
side-by-side using a different color ink in each so that
they can run 1/2 inch-high, CMYK four-color
printing. An eight-cartridge printer can produce one-
inch-high, four-color printing.

The company's line of controllers ranges from
high-end multi-tasking units to compact, low-cost
units that can fit almost anywhere.

HSAUSA's top-of-the-line controller is the
HSAJet-CT. It includes a 15-inch monitor and full
size keyboard with integral trackball mouse and
operates with Windows XP Professional. HSAUSA's
user-friendly OBJ (Object Oriented) Ink Draw

software is included with the controller. The CT
features Ethernet and RS232 connectivity to link up
with a host computer or it can operate independently.
The CT can control up to eight print stalls or,
optionally, up to 12 HP print stalls.

An HSAJet-CT Controller running two HSAUSA
side mount print stalls with three HP cartridges each
was recently installed as part of a solution for
Shasta/National Beverages Corp. The installation
prints crisp, clean barcodes—which the previous
equipment could not do—low on the sides of
24-pack soda trays before they are wrapped in plastic.

HSAUSA printers replace high-maintenance continuous inkjet systems in the application of lot codes and expiration dates on chipboard cartons.

Solvent-free HP inks are printed on the trays at more
than 200 fpm. HSAUSA equipment also is used to
mark and code boxes of Shasta one-liter soda bottles.

At the opposite end of HSAUSA's product line is
its low-cost, high-volume controller, the HSAJet-
TCU "Tiny Controller Unit." The HSAJet-TCU is
available with or without a two-line, backlit LCD

display and keypad. It prints 1 to 16 messages and
operates two HP print stalls.

The HSAJet-TCU is a fast selling product that is
being used in combination with HSAUSA printers to
replace high-maintenance continuous inkjet systems
in the application of lot codes and expiration dates on
chipboard cartons. The snap-in, disposable HP print
cartridges with integral nozzles virtually eliminate
printer cleaning and maintenance. HSAUSA
estimates the cost of the TCU/HP thermal inkjet
system to be about a third of that for a CIJ system.

HSAUSA also promotes covert marking solutions
using UV and IR inks. The special inks are used with
the HP series 45 cartridge in HSAUSA printers to
protect brands by preventing illegal product diversion
and counterfeiting.

For a maker of retail auto parts, HSAUSA
furnished not only the controllers and printers to
apply covert carton marking, but also the vision
systems and scanners to work with the barcodes that
are visible only under IR light. HSAUSA also
provided integration software to track and trace
random serialized 2D barcodes.

HSAUSA operates through a network of
20 nationwide distributors and supports 10 OEM
equipment suppliers who incorporate their solutions
in a variety of different applications.

Contact:
HSAUSA, Inc.
732-324-0800
www.hsausa.com

The First Choice in Package Printing

calls an approval shim. From this, a production shim is generated through recombination and a galvanic-forming process. The production shim is then used to emboss the hologram onto a specialty coated plastic film.

Although a number of proprietary techniques may be employed to emboss a hologram, in generic terms, the process is similar to a web-printing operation in that a continuous web of film passes between nip rollers, on which the embossing plate is mounted. The holographic information—submicron in size—is imparted into the film or a coating on the film with heat pressure and/or radiation, either UV or electron-beam.

Unlike printing, hologram embossing does not use any ink. The colors seen in a hologram are derived from diffraction of the light from the surface.

Kurz can produce holograms, including 2-D, 3-D, 2-D/3-D and dot-matrix, in the form of hot-stamping foil, laminating foil, self-adhesive labels, tearstrips or other, project-specific formats. But for the purposes of brand protection, standard holograms do not provide enough complexity, relates Long. "With typical holography, some counterfeiters have become sophisticated enough to replicate the designs," he says.

During a recent visit by PD to Kurz's U.S. headquarters in Charlotte, NC, technical project coordinator Max S. Astor explained that the more complex holograms used for security, such as the proprietary designs manufactured by Kurz, are referred to as OVDs. Kurz's high-end brand-protection solution, the Trustseal®, differs from a standard hologram in that it is a fully exposed image, without the peaks and valleys evident in dot-matrix, 2D, 3D and 2D/3D holograms. The Trustseal, proprietary to OVD Kinegram Corp. (www.trustseal.biz), a member of the Kurz Group, is a synthetic, computer-controlled, diffraction-graphic element that is created by using special, proprietary equipment, materials and knowledge.

Because of the way it is produced, Long relates, the Trustseal exhibits a greater brilliance and color control, and can incorporate many different optical techniques (see sidebar at right). "For brand protection, you need to have overt, covert and forensic features within your package or product to have the most robust program," says Long.

"If you could create the perfect authentication device, it would be an overt technology that would allow you to just pick up a package and know immediately that it was the real thing. But there is no such product. That's why brand owners need to use something that's very complex optically on their packaging.

"We're doing our job if somebody tries to knock off our

'Compass' points to complex OVD features

The "Compass" is a tool used by Kurz and Brady Corp. (www.whbrady.com) to demonstrate the various techniques possible with Trustseal OVDs.

A.) Colorful area: By tilting the design to an extreme angle and viewing the sample obliquely, the area appears in color.

B.) Hidden information: The field contains two areas of different, hidden information not visible to the human eye. The filled ring of the compass behind the letter "W" contains specially engineered, diffractive structures that project the image "GENUINE" when illuminated with a special, laser-based verification device. The background of the field contains diffractive structures that project the image "OK."

C.) DeepView, lens effect: Bright beams of light appear to converge on, and diverge from, a virtual point beneath the surface of a design. When viewed using a bright lamp, the beams of light can be seen as a spectra of colors.

D.) Grayscale image: A stylized image in various shades of gray can be seen in the central viewing position. When the sample is tilted left and right, the shades of gray are seen to vary and appear to change dramatically.

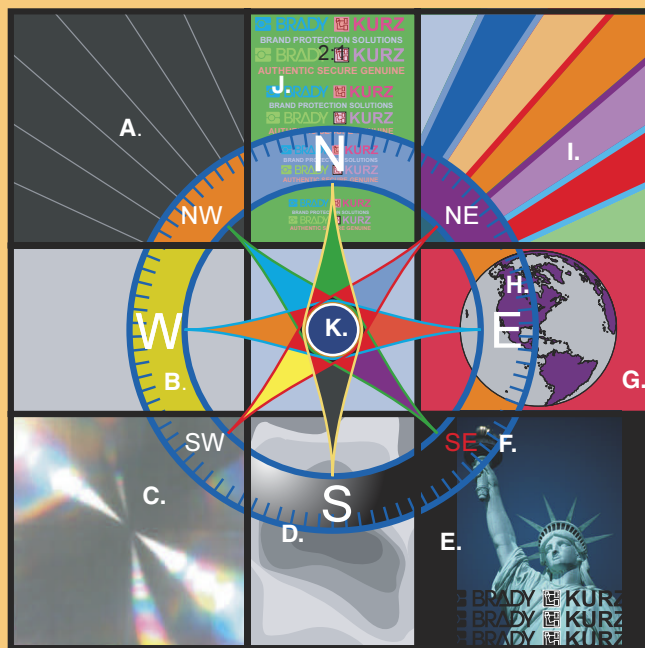
E.) Diffractive black: The Brady and Kurz logo appears dark in contrast in nearly all viewing positions. By tilting the Trustseal security device about the horizontal axis and viewing the sample at an oblique angle, the design element appears in a

bright, blue-green color.

F.) Nano-image raster (nano-text version): An image of The Statue of Liberty with continuously varying brightness levels is seen by the unaided eye. By viewing the nano-image raster with a

magnifying glass or microscope, one discovers that the image is actually composed of a plethora of microscopic texts of varying thickness.

G.) Nanotext: The text "Trustseal®" and the © logo appear in the ocean of the globe, which appears bright and colorful in the central viewing position, with letters that are 75 microns in height.



This feature can be verified using a magnifying glass or microscope.

H.) ConTrust®: The ConTrust security feature is integrated into the globe. In the central viewing position, the globe appears bright and colorful in contrast against BBB. By rotating the Trustseal security device by 90 deg in its plane, the contrast between the elements will flip.

I.) Various color rays: The rays appear to change in hue and color as the sample is tilted back and forth.

J.) Mini text: The logos and text appear in bright and colorful letters against a colorful background.

K.) Image flip: By tilting the sample from left to right, one alternates between three images. On one side, the logo of Kurz is seen. On the other side, the Brady logo. In the central position (shown), the whole image of the compass appears in bright colors.

Copyright by OVD Kinegram

Your Best Defense Against Metal Contamination

Powerful Xtreme™ Rare Earth magnets remove fine metallic particles from process flows, while E-Z Tec® Metal Detectors provide the critical final inspection ensuring your products are free of dangerous metal contaminants. Go to Eriez.com and review the wide selection of equipment to rid your products of metal contamination!

Xtreme™ Rare Earth Magnetic Grates

- #1 in Magnetic Strength
- #1 in Holding Force
- Widest Range of Models

E-Z Tec® Metal Detectors

- E-Z Setup and Validation
- Xtreme Sensitivity

Power Comparison			
	Average Pull Test	Average Gauss	Shipping
ERIEZ Xtreme	1	1	Next Day
Magnet B	3	3	4 Days
Magnet C	5	5	14 Days
Magnet D	2	2	8 Days
Magnet E	4	4	4 Days
Magnet F	6	6	7 Days

For complete test results, go to eriez.com/pulltest

FREE Ask Orange™ "How To Choose & Use" Magnetic Separators or Industrial Metal Detectors
888-300-3743
www.eriez.com

AdvantageERIEZ™

World Authority in Advanced Technology for Magnetic, Vibratory & Metal Detection Applications

OVD because we're going to be able to tell if it's fake. Nobody is going to be able to duplicate it exactly."

In the case of Spanish winemaker and exporter Domecq Bodegas, a part of Domecq PLC, a pressure-sensitive Kurz Trustseal label verifies that its Campo Viejo Rioja wine is from the prestigious Rioja region of Spain, which is said to produce some of the best red wines in the world from the tempranillo grape. This distinction is important, as Rioja was the first of Spain's

wine-producing regions to obtain the government's official appellation designation, or

"denominacion de origen," in 1926. Nine years ago, the Rioja region became the first and only in the country so far to be granted the "denominacion de origen calificada" or "qualified appellation."

But Domecq Bodegas is not the only vintner to employ this label. For the past three years, Kurz has supplied all 400-plus manufacturers of Rioja with this p-s label, which includes an overt Trustseal OVD, as well as sequential numbering and other Rioja certification graphics.

Relates Long, "Several years ago, companies not from the Rioja region were marketing Rioja wines. It is similar to someone saying that a wine is a Cabernet when they are not using Cabernet grapes." In the case of Rioja wines, the **Rioja Appellation Regulatory Council** (www.riojawine.com) came up with the idea of the certified seal. Although Long says that he can't comment on the whether the Rioja Trustseal label has eliminated knockoffs, he does relate, "a few years later, the label is still being used."

For Chinese tobacco company Hongta Group, the need for brand authentication is just as vital, especially considering the environment in which the company operates. It is generally acknowledged that China is the single-largest source of counterfeit and pirated products worldwide. According to the **Quality Brands Protection Committee** (www.qbpc.org.cn), a group of more than 100 multinational companies with investments in China, approximately 100 billion counterfeit brand-name cigarettes are produced in China each year.

Hongta Group was established in 1956 as a small-scale tobacco recurring factory. Today the company is

not only the largest tobacco company in China, but it is also a multinational enterprise. Last November, five of the company's brands—Gonghexinxi, the Great Hall of the People, Ashima, Mount Hongtashan and Yuxi—were named among the top 10 Chinese cigarette brands in terms of quality by China's State Tobacco Monopoly Administration.

To protect and decorate its cigarette cartons, Hongta Group employs several overt features from Kurz, including a demetallized laser tear-tape around the carton opening, a laser hot-stamp foil decoration on the carton's panels, a red, metallized hot-stamp-foil logo and a Trustseal OVD.

At Kurz's Charlotte facility, the process of creating a customized OVD begins when Kurz meets with the brand owner to discuss the scope of the brand's counterfeit problem and to identify what types of overt and covert elements can be used to provide the most effective solution. From this discussion, Long explains, Kurz creates a hard-copy design proposal. "The design proposal just shows the brand owner on paper what we're going to do," he says. "Obviously it doesn't have the optical components of a hologram or an OVD, but it outlines what the image will include."

Another tool used by Kurz to illustrate a proposed design is computer animation of the hologram, which Long says is used about 75 percent of the time. Designed in-house, the program is "a pretty useful tool for holographers because it allows them to look a lot closer at what the image is going to look like," he adds.

Once the design proposal is approved, an approval shim is made. At this point, because the design involves Kurz's proprietary exposure technology as well as the brand owner's security solution, it must be manually delivered to the brand owner for approvals. When the approval shim is given a green light, it is then used to step and repeat to fabricate the production shim, according to the brand owner's specifications.

During embossing, the production shim is mounted as a sleeve, and the original master hologram's diffractive grating is repeatedly stamped into a fast-moving web of material—usually hot-stamping foil or laminating film. To maximize yields, it is common to gang more than one image on a shim, so each transfer creates multiple holograms that can be die-cut into separate units during

the final converting and finishing steps. Rolls of embossed holograms can be further processed and/or fed into hot-stamping machines, labelers or laminators, depending on the end use.

From the initial analysis of the brand owner's requirements to the shipment of the OVD, the process takes approximately eight weeks, Long says, with standard Trustseal originations built to fit any budget. "If there are custom covert features in the OVD, the cost will go up," he adds.

An optimal solution is one that can be used for 12 to 18 months before being changed, Long says. "A lot of times, brand owners keep the overt technology pretty static because it's part of their brand identity, but typically it is changed about every eighteen months," he says.

Of the industries presently using Kurz's OVDs, pharmaceuticals has been the slowest to implement this technology, Long relates.

"We're putting a lot of effort into that industry because we think it is the one that needs it the most," he says, adding that sales of counterfeit pharmaceuticals are projected to grow at 10 percent this year—far outstripping the 2-percent increase in sales expected for legitimate pharmaceutical drugs.

"I think that more pharmaceutical companies will use OVDs once the ROI is figured out—what you're going to get for putting five cents into your label rather than one cent, and how much it money it saves when you are selling your real product, rather than counterfeiters selling your product. But that hasn't been done yet," he says. "I'd love to have the formula."

More information is available:

Kurz Transfer Products, L.P., 800/333-2306.

www.kurzusa.com.

OVD Kinegram Corp., 41 41 724 47 00.

www.trustseal.biz.

Brady Corp., 800/541-1686. www.whbrady.com.

National Chamber Federation, 202/463-5500.

www.uschamber.com/ncf.

Quality Brands Protection Committee,

86 (10) 6505-5127. www.qbpc.org.cn.

Rioja Appellation Regulatory Council, 34 941 500 400.

www.riojawine.com.

THE
ROBINETTE
COMPANY

Contact us to learn how we can help you
with innovative packaging solutions:

Shrink Labels
Combination Sleeves
Overwrap
Wrap Around Labels



250 Blackley Road, Bristol, TN 37620
770.346.8446

email: therobinetteco@bellsouth.net
www.therobinetteco.com



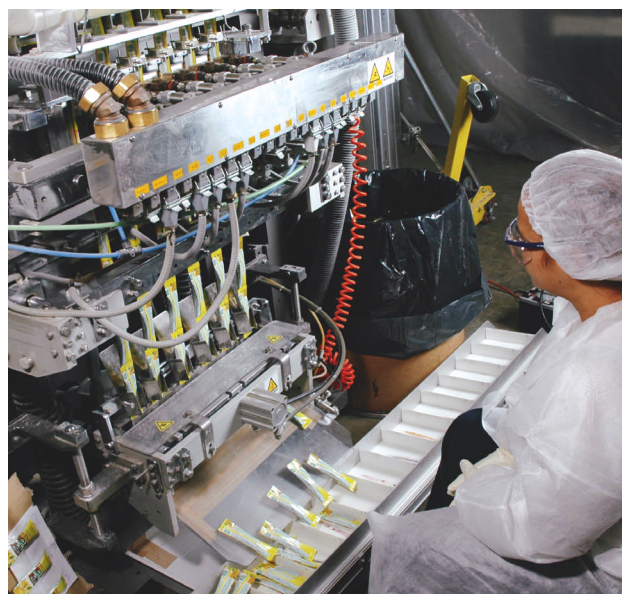
Tea in a pouch is easy to use



A multilane, vertical form/fill/seal machine runs stick-shaped, laminated paper pouches of flavored tea containing 0.075 oz of product for 4C Foods Corp.

Totally Light Tea2Go™ from 4C Foods Corp., Brooklyn, NY, is impacting the way America drinks bottled water. Just pour a single-serve packet of the powdered-tea mix into a bottle and enjoy. 4C Foods, which has been supplying iced-tea mix for more than 30 years, introduced last year the stick-shaped, laminated pouch, which contains just the right amount of flavored tea mix for a half-liter bottle of water.

The powder pouch is an old, familiar sight. Think of your table setting at a restaurant and the container of those little pouches holding sugar and sweetener. Now, the on-the-go, as-you-need-it packaging concept for single-serve has gone a step further with Slim Stick® packaging from Technical Help in Engineering and



Stick-pouch machine filling speeds are being increased by adding additional lanes to as many as 26 lanes/machine.

Marketing (www.them.net), Marlton, NJ. Made of high-quality, multilaminated materials, Slim Stick packaging has a slim shape that makes it easy to pour its contents into the opening of a water bottle, and it fits in a purse, a pocket or a gym bag, to offer single-serving, convenient packaging you can take with you wherever you go.

"We chose to utilize the stick-pack technology for the full line of our new Totally Light Tea2Go iced tea mixes," says Robert Goetz, 4C Foods director of purchasing. "Originally, a colleague recommended T.H.E.M. for their equipment capabilities. That was certainly a plus, but I was impressed by their level of experience." Their test lab and a small production facility convinced Goetz that T.H.E.M. could help 4C Foods introduce a new

product in this package format with great ease. Says Goetz, "The Tea2Go concept is all about convenience, and the stick-packs deliver that on every level."

Slim Stick packaging is more than just a sales booster; it is also a cost-effective packaging option that saves manufacturers and marketers up to 35 percent on the cost of film versus the traditional pouch. And with its high-quality construction, it can hold virtually any product that can be packaged into a traditional shape. "The slender, tubular design of the Slim Stick package makes it easy to dispense premeasured products of all kinds," says Ken Botterbrodt, senior vp at T.H.E.M.

T.H.E.M. currently produces the Tea2Go pouches for 4C at its New Jersey facility on a FC-1000 high-speed, multilane vertical form/fill/seal machine from Sanko Machinery Co., Ltd. (81-3-3733-4211), which T.H.E.M. represents in the U.S. 4C is in the process of procuring a Sanko machine to run the pouches at its Brooklyn production facility.

The FC-1000 slits the web into individual lanes for precision, multilane production. Stick length is

The Tea2Go concept is all about convenience, and the stick packs deliver that on every level.

adjustable through a patented system without any part changes, while different pouch widths are achieved with optional tooling. Timing is controlled digitally, which makes adjustments easier than with conventional cam mechanisms, and a touchpanel provides immediate fine-tuning of production. The touchpanel stores timing settings in memory for instant recall and allows for quick production startups and changeovers.

4C's pouches contain 0.075 oz of product, but the package can be designed to accommodate a range of sizes from a fraction of one gram to 35 gm of product. Production can be adjusted for package sizes from 50 to 180 mm long and 12 to 60 mm wide. Totally Light Tea2Go pouches are sold in a 20-pack carton that sells for \$4.99, as well as in a 10-pack carton.

More information is available:

Technical Help in Engineering and Marketing,
856/988-8436. www.them.net.
Sanko Machinery Co., Ltd., 81-3-3733-4211.

Stick pouches poised for a sharp rise in usage, applications

The stick pouch is one of the hottest package formats in the market today, generating more than 30 percent annual growth in specific market segments. It has come a long way from being completely unexplored in North America just 10 years ago.

According to a new study on stick pouches from Allied Development Corp. (www.allied-dev.com), Burnsville, MN, stick pouches were first commercialized in approximately 1970. The stick-pouch industry began in Japan, using equipment that was developed by Sanko Machinery Co. Ltd. to package dry products. It wasn't until 1990 that the ability to package wet products in stick pouches was developed in Europe.

The dry-products segment remains the largest industry segment to date, with Japan a major user. It is also clear that stick pouches in the dry-product segment are expanding beyond their traditional use for condiments. In the wet product segment, stick pouches are used for the unit-portion condiment market (ketchup, mustard and others) in certain regions, such as Europe. In the U.S., General Mills introduced its Go-Gurt yogurt in a stick pouch in 1999, which catalyzed a number of wet-product, stick-pouch applications. This created a new category of products that is now an accepted part of the stick-pouch product mix. Pharmaceutical, personal care and other industries are also increasing their use of the stick pouch.

Many factors drive stick-pouch consumption. One of the most important is its unique shape, which is a defining characteristic. The shape of a stick pouch provides a natural means of dispensing from a small opening, providing good control. A person can tear the end from a stick pouch, and, even if the tear is not well-controlled, end up with a small

Continued on page 56



c it create the perfect package.

© 2006 CIT Group Inc. CIT, the CIT logo, "We see what you see" and "c it" are service marks or registered service marks of CIT Group Inc.

Services

Equipment
Financing

Lease
Financing

Lines
of Credit

Sale
Leaseback

cit.com

When it comes to acquiring packaging equipment, CIT is uniquely qualified to shape a plan that'll work for you. We realize that your company is one of a kind, so we take a personal approach, customizing solutions to fit your financial needs.

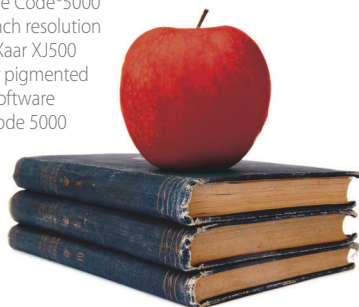
Plus, with our decades of experience working with the packaging industry, we understand what it takes to help your company grow, compete and succeed through all kinds of business conditions. All of which makes for the kind of financing partner with whom you can be very comfortable. To learn more, click on cit.com or call 800.236.7514.

At CIT, we see what you see.®



Looking for Straight A's

The Graphic Controls Sure Code®5000 combines 180 dots per inch resolution provided by a powerful Xaar XJ500 print engine, with a richly pigmented ink. Add an easy to use software package, and the Sure Code 5000 offers a High Resolution print system that will enable you to provide the ANSI scans your retailers are requiring from you.



- Tired of poor ANSI scan grades with your barcodes?
- Want to minimize your case rejection rates?
- Want to head to the top of the class?

Talk to Graphic Controls about the Sure Code®5000 High Resolution print system.

400 Exchange Street / Buffalo, NY 14204-2064
716/853.7500 / www.graphiccontrols.com



Graphic Controls LLC

Stick pouches (cont.)

opening from which to pour. This advantage is further enhanced through the use of flexible spouts, tear notches and combination packages, which feature dual chambers that contain different, but related, products in each chamber, such as a yogurt-and-fruit combination.

The stick pouch is an efficient material design. Material cost savings and pricing for new applications will outweigh any drag from filling-rate deficiencies.

Products in stick pouches offer several types of end-user convenience. Premeasured quantities of food are easy to use, and stick pouches are primarily a unit-portion or single-serve package that capitalizes on this ability. Dry-drink mixes, for example, provide the right amount of drink mix for a bottle of water. In the future, the pharmaceutical industry will take even greater advantage of premeasured doses with stick-pouch offerings for a variety of pharmaceutical products. Stick pouches are also portable, easy to store and can be opened without using an opener.

Stick-pouch machines can now accept sophisticated films in addition to the basic coated paper often used for dry condiments. The ability to use high-barrier packaging, such as laminations containing aluminum foil or glass-coated films, means the barrier requirements can be met for pharmaceutical gels, cough syrup, pudding, dry beverage mixes, epileptic medications and many other products.

Technological advancements in dosing systems are significant. The ability to accurately micro-dose products in increments of less than 1 gm has triggered the healthcare industry to take a closer look at the stick pouch. Unit-dose stick pouches of many healthcare products, including cough syrup, pain relievers, epileptic medications, antacids and others, are on the market now, or are coming soon.

Pellet technology is another dosing technology that is primarily important for healthcare products. Pellet technology formulates pharmaceutical products into small, consistent-sized, spherical particles that can be taken orally without the aid of water. In addition, the product can be designed to dissolve easily, so it is not irritating to the consumer's digestive system. Dosing systems are able to count the number of spherical particles needed to fill each stick pouch with the correct dosage for that product.

Stick-pouch machine filling speeds are increasing, primarily by adding more lanes per machine. Today, the typical machine has eight to 10 lanes, with offerings of up to 26 lanes.

The future consumption of stick pouches looks very strong, with growth of all categories projected to be 10.1 percent annually from 2005 to 2010. Stick-pouch consumption will jump from 196.7 billion stick pouches to 318.8 billion in that period.

Dry products in stick pouches comprise 85 percent of the market, due to the fact that they were developed first and have been successful for decades. However, wet products in stick pouches are gaining market share, albeit slowly. The percentage of pouches that contain wet products will grow from 14.9 percent market share in 2005 to 15.9 percent in 2010.

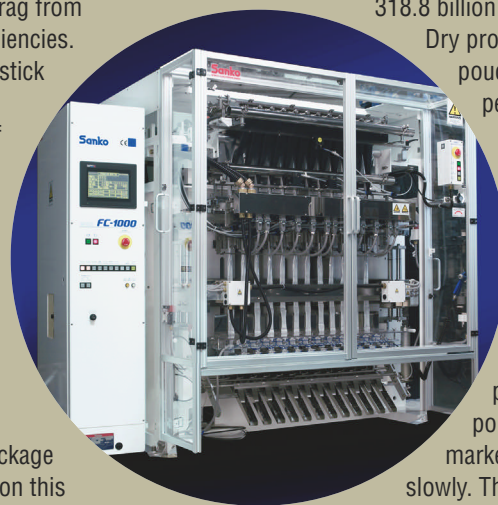
Dry food is clearly the largest category, and it will grow 8.9 percent per year from 2005 to 2010. Dry-condiment volume (sugar, sweeteners, salt and pepper) is large and overshadows other categories. Removing the dry-condiment volume from the dry-food category reveals that dry food other than condiments will grow at 16.1 percent per year through 2010—a much higher rate than condiments (7.8 percent per year). In fact, all of the other categories will grow rapidly: 9.1 percent per year for wet-food products, 20.4 percent per year for healthcare products, and 22.7 percent per year for other products. Condiments/sauces will lead the wet-food market through 2010, with growth of 8.8 percent per year.

Overall annual growth of stick pouches in North America is expected to average 16.5 percent per year broken down as follows: 17.8 percent for dry food, 5.8 percent for wet food, 30.5 percent for health care and 37.5 percent for other products.

The information in this article was taken from "Stick Pouches, Global Markets, Economics, and Technologies — 2006 to 2010," which was written and published by **Allied Development Corp.**

For a prospectus or to order a copy of "Stick Pouches, Global Markets, Economics, and Technologies — 2006 to 2010," call Packaging Strategies at 610/436-4220 (ext. 11) or e-mail at orders@packstrat.com.

More information is available: **Allied Development Corp.**, 952/898-2000. www.allied-dev.com.



China Pack

May 24 and 25, 2006

PLUS! Half day introductory seminar
May 23, 2006



Hotel Allegro,
Chicago, IL, US



Key presentations and case studies from:

Akin, Gump, Strauss, Hauer & Feld LLP
Alcoa
American Rising Dragon Consultants
CCC Office
Ciba Specialty Chemicals
Flipo Group
Intertech-Pira
Owens-Illinois
Packaging Digest
Pepsi Co
PricewaterhouseCoopers
Reed Business Publishing
Retail Packaging Design
SD International
Shanghai Sourcing
Weil, Gotshal & Manges LLP
USITC

Media partners:

CONVERTING PACKAGING DIGEST PACKAGING DIGEST

Supporting association:



For further information please contact John Buss
at Intertech-Pira on T: +1 207 781 9610
E: John.buss@pira-international.com
or visit www.piranet.com

Lock In Your Product But Don't Lock Out Your Customer.



Tear into the differences. Contact us at www.natralock.com, and we'll send you two locks – one packaged in a plastic clamshell, the other in Natralock™

Everybody says the same thing about plastic clamshells: @#\$%^&*! Consumers find them impossible (even dangerous). Environmentalists find them inexcusable. Retailers find them good for only one thing – theft prevention. Wouldn't it be nice to find an alternative? We have.

Natralock™: A renewable* fiber-based solution that's a pleasure to open *and* a pain to steal.

*Except for the blister, and we are working on that, too!



Natralock™

WWW.NATRALOCK.COM

MeadWestvaco Consumer Solutions Group, 1011 Boulder Springs Drive, Richmond, Virginia 23225-4032
Tel: 804-327-6331, Fax: 804-327-6427, Email: natralock@meadwestvaco.com

MeadWestvaco

SECURITY PACKAGING



Shrink labels blast onto shelves

North American Beverage turns to converter SleeveCo to produce shrink labels for its newest line of milk drinks.

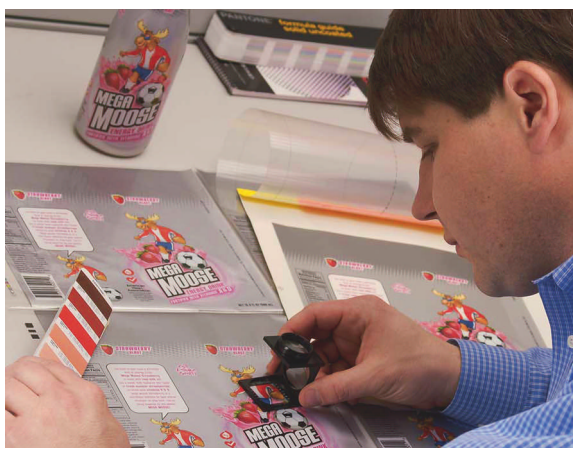
For the full-body Moose logo on North American Beverage Co., Inc.'s newest milk-drink product—Mega Moose™ Strawberry Blast—the company needed a full-body, shrink-sleeve label. Says the company's marketing partner, Ben Stone at 4th Floor Design

(www.beveragebusiness.com), "This is the first time the moose on the label is pictured as a fully realized figure, playing soccer, unlike the Chocolate Moose Premium chocolate milk line, where we use only the moose's head as part of the logo lockup. Mega Moose is positioned as a wholesome energy drink. It is real milk fortified with vitamins A and D. So we wanted to convey activity on the label."

Based in Ocean City, NJ, North American Beverage distributes its drink products nationally, including its Chocolate Moose line, which comprises flavors such as Premium Chocolate, Diet White Chocolate and Cookies & Cream. Mega Moose Strawberry Blast is distributed nationally where it is shelf-stable for up to 24 months. The milk drink appeals to consumers aged 12 to 24 and to mothers who are looking to serve their kids healthy drinks.

In introducing Mega Moose Strawberry Blast, the company wanted to differentiate the product from its other varieties, while communicating that the drink is part of the Chocolate Moose family of brands.

SleeveCo, Inc. (www.sleeveco.com) was the natural choice for printing and converting the new Mega Moose label, since the converter already produces a full-body shrink-sleeve label for North American Beverage's Chocolate Moose and Havana Cappuccino lines (see PD, Dec. '02, p. 44, the company says. Only this time, according to Martin Wilson, vp of sales and marketing at SleeveCo, the converter worked with North American Beverage to



The shrink labels help Mega Moose achieve a contemporary look for the new energy drink product.

design a metallic-silver label. "It's the first time that we needed so much background coverage in metallic ink," he says, "and it had to look high-end."

A family-owned manufacturer of shrink- and stretch-sleeve labels, SleeveCo is based just outside of Atlanta in Dawsonville, GA. The company uses what it says is the industry's only 11-color, 800-ft/min Chesnut 150 gravure press from W.R. Chesnut Engineering (www.chesnuteng.com). The company also uses a proprietary ink-matching system that can reproduce virtually any color, accurate within 1/1,000 lb of ink. SleeveCo specializes in metallics, as well as in pearlescents, thermatics and matte varnishes.

With its single focus on sleeve labels, SleeveCo partners with shrink-film manufacturer Klöckner Pentaplast (www.kpfilms.com). "We have used vinyl and polyethylene terephthalate glycol films from Klöckner Pentaplast since the beginning of our history," says Wilson. "We just know that we can

count on their Pentaprint® film for its precise tolerances. Pulling off full silver coverage [on the Mega Moose Strawberry Blast label] was possible because of the film's excellent gauge uniformity. Because, not only did we need to lay down a lot of metallic silver, we also had to get the print resolution spot-on to capture the moose in motion."

For the Strawberry Blast shrink-sleeve label, Klöckner Pentaplast provides 2-mil polyvinyl chloride film specifically engineered for excellent anchoring of the required ink systems.

The film's uniform shrinkage, along with its excellent ink adhesion helped North American Beverage achieve the goal of "a contemporary look for a new product," says Stone. "The ready-to-drink market is very competitive. We wanted to capture the look of the new aluminum bottles that are on the market using sleeve technology. No doubt, the shelf appeal of Mega Moose energy drink is catching on, as sales have been brisk since it launched last June."

As Stone explains, it was important to get the drink on the market at the beginning of summer because, although the season for energy drinks is year-round, sales spike with the temperature. "We were still putting the last details together in April of 2005, so that's a quick timeline," he adds.

Getting to market quickly was another reason SleeveCo proved vital to the project. The company has a prepress department that cuts its own gravure cylinders in-house at a competitive price. This allows packagers to get products to retail faster because there's no outsourcing.

Before SleeveCo made the cylinder for Mega Moose Strawberry Blast, the converter worked with the client's design team to get the artwork approved.

Continued on page 60



YOU SEE A PALLET.

We'll show you the foundation of a partnership.

CHEP is more than high-quality pallets and shipping. Much more, in fact. Partnering with CHEP allows manufacturers, distributors and retailers, large and small, to benefit from established international locations in 38 countries — providing them with the longest reach both domestically and internationally for moving products around the globe with confidence. CHEP's Pallet Pooling



system reduces costs, increases efficiency and helps you meet environmental regulations ahead of schedule. You also receive support from proven supply teams to manage and track your supply shipments. And with the dedication of CHEP's Innovation Center, you can always be sure that new advancements in supply chain efficiency are right around the corner.

To learn more about the benefits of partnering with CHEP,
call 1.800.243.7255 or visit www.chep.com.



HANDLING THE WORLD'S MOST IMPORTANT PRODUCTS. **everyday.**[™]

Then they were ready to size and engrave the cylinder.

After cylinder engraving, the film is printed. The process begins when a roll of unprinted Pentaprint film is mounted to an automatic unwind unit. The film then moves over a dancer roll to a Fife (www.fife.com) edge guide, which provides a proper oscillating roll wind. From there, the film travels to an infeed draw group inside the printing press. The press is equipped with a butt splicer; in-line automation, die-cutting for pressure-sensitive labels and lamination; extended

dryers; and reverse-print stations for backside printing.

At the first color station, the film passes over the print cylinder, which applies the first ink color onto an engraved cylinder. An ink dam forces ink into gravure cylinders and applies the image to the film. In the next step, a doctor blade removes any excess ink from the film. Standards set down by the National Electric Code ensure that the press's dryer system is classified as explosion-proof.

States Wilson, "We run into

challenges with ink adhesion with 'high-end' metallics and pearlescents. And in the case of the Mega Moose Strawberry Blast label, the biggest challenge was laying down the silver-metallic ink. That's why we really appreciate the good ink adhesion we get with Klöckner Pentaplast films. We are aiming for the highest reflectivity possible, and we feel we get it."

An **eltromat** (www.eltro.com) DGC 650 register control monitors the film by sequential codes. Then **BST Promark** (www.bstpromark.com) high-resolution



A quality check, above, assures the film's printing registration and integrity.

cameras inspect the film and check its print quality and density values.

After the film is edge-trimmed on a **Rotoflex** (www.rotoflex.com) VLI slitter, it undergoes automatic print-defect detection. A **DCM** (www.dcm.fr) Babycat sleeve machine and rewinder then uses an inspection device to check the finished shrink-sleeve seam for print registration and integrity with a black light.

Sums up Wilson, "With a 250-plus line screen and brilliant picture imagery, gravure printing achieves vibrant colors. The gravure method is also often used to assure the readability of small fonts. The [Mega Moose Strawberry Blast] shrink-sleeve label definitely stands out."

He concludes, "We are very pleased with the sleeve labels. In fact, everyone seems pleased, from the client and the retailer to the distributors. It was a huge area to design, 360 degrees around, from top to bottom. And the colors reproduced brilliantly with kudos to Klöckner Pentaplast films."

Jim Mullen, business unit manager for shrink films at Klöckner Pentaplast, says, "When a product is competing for consumers' attention, our films display the graphics to their best advantage by ensuring proper ink adhesion."

More information is available:

BST Pro Mark, 800/796-9621.
www.bstpromark.com.
DCM, 33 141 375270. www.dcm.fr.
eltromat Electronics, Inc.,
757/487-8849. www.eltro.com.
Fife, a Maxcess Intl. co.,
800/639-3433. www.fife.com.
4th Floor Design, 617/598-1922.
www.beveragebusiness.com.
Klöckner Pentaplast, 540/832-1470.
www.kpfilms.com.
Rotoflex Intl., Inc., 800/387-3825.
www.rotoflex.com.
SleeveCo, Inc., 800/624-0204.
www.sleeveco.com.
W.R. Chesnut Engineering,
800/746-7873.
www.chesnuteng.com.

CAPS

PLUGS

WRAPS

EDGE LINERS

NETTING

TUBING

FASTENERS

BUSHINGS

Pack it. Protect it. Display it.



Caplugs and Niagara Caps & Plugs offer a wide line of packaging solutions that is durable, attractive and reusable. ClearView® plastic tubing is perfect for packaging, storing, shipping or displaying your product. Made from high-quality PETG or rigid PVC, our tubing is flexible, yet impact resistant and available in a variety of diameters and lengths. For smaller packaging needs, we have the CON Series. Our CON containers are used for everything from electronic components to fishing lures and can be personalized by molding a company name or logo

on the bottom. For shipping protection, try our full line of plastic netting, available in flat sheets for layering parts or sleeves to slide over odd-shaped products. Our line of Bottle-Web™ is a neat and professional wrap to protect wine or liquor bottles from cracking and breaking. All of our netting lines are inexpensive, recyclable and offered in a multitude of colors, sizes and strengths. With full in-house customization capabilities, we can design and manufacture a plastic packaging solution for you.



Combined resources. Countless solutions.

www.caplugs.com • 1-888-CAPLUGS
www.niagaracapsandplugs.com • 1-800-458-0465

new products equipment

Tablet counter The CF1620-4 Cremer Quad is a high-speed tablet counter that features 16 tracks on each of its four filling heads. It's equipped with a four-lane filling conveyor that has a servo-driven infeed divider and a servo-driven collection device, all designed to maximize productivity in its 24-ft footprint. Capable of speeds up to 220 bottles/min on 100-count bottles, the system accommodates a range of products, including tablets, caplets and hard or soft capsules, ranging in size from 2 to 25 mm dia. It can handle both plastic and glass containers in sizes from 30 to 2,000 cc. Most changeovers can be accomplished in less than 45 min, without tools. A CFR21 part 11-compliant software package is available as an option. A PC-based system, it features a color touchscreen control panel with password-protected access.

NJM/CLI, 603/448-0300.

www.njmcli.com



Vf/f/s machine The VPL-180 is a continuous-motion vf/f/s machine featuring a patented jaw-jam detection system and linear servo drive technology. Operating at speeds of up to 220 cycles/min, it's suitable for high-speed applications such as candy and snacks. The unit allows users to set functions such as sealing time and pressure, cooling time, speed and all jaw movements, providing flexibility. The compact

machine produces pillow-style bags ranging from 1.97×11.8 to 7.01×11.8 in. Size changeovers are said to be quick and simple to perform.

Rovema Packaging Machines, 770/513-9604.

www.rovema.com



Label printer The Vivo! is a high-speed, direct-digital, short-run label printer that produces photo-quality labels on roll-fed stock, the co. reports. Designed for moderate- to high-volume label-printing jobs, the Vivo! prints glossy, durable labels that are said to be abrasion-, moisture- and solvent-resistant. It prints labels using an electrophotographic process similar to laser printing that incorporates LEDs rather than lasers. It's designed to be an alternative to flexo and offset printing.

QuickLabel Systems, 877/757-7978.

www.quicklabel.com



Case palletizer The co. has enhanced its A-780 case palletizer offering, which is particularly suitable for single-line applications in the food and consumer goods industries, with a selection of new options. A recirculating row pusher improves case flow and facilitates higher palletizing capacities with rates up to 45 case-ft/min. It's offered as an alternative to the palletizer's standard reciprocating row pusher. A high-speed hoist is designed to increase capacity when handling short loads or large cases, and a pattern-generation utility provides users with the ability to create new stacking patterns through the machine's interface. A pattern-timing utility is now standard. The palletizer is equipped with close-center rollers and a bi-parting apron, enabling it to handle a variety of case and pallet sizes. It's RFID-enabled, giving it various capabilities such as changing patterns on-the-fly, managing end-of-run clearing and tracking production and inventory information.

FKI Logistex, 314/993-4700.

www.fkilogistex.com

Digital servo drive The Whistle miniature digital servo drive weighs only 1.76 oz and measures 2 cu in., delivering up to 1/2-kw of continuous power at up to 99 percent efficiency. A 2×1 1/8×3/8-in. package delivers a peak of 1 kw of power. Made to be mounted to the motor housing or in close proximity to the motor, the servo drive interfaces to brush DC, brushless PM, linear and/or voice coil motors, with power provided by an external, 7.5- to 95-VDC isolated DC power supply. A smart supply control algorithm enables the servo drive to operate with a single power supply, eliminating the need for a separate logic supply.

Elmo Motion Control, Inc., 978/399-0034.

www.elmomc.com

BYE BYE PAPER



Get rid of significant cost overhead in a single blow. Get rid of paper bales and deliver film-wrapped product to the marketplace. This innovative new system saves money while automating your packaging process.

PRESENTING THE

V5100

VFFS BALING SYSTEM

The V5100 is a unique VFFS baler that can create film-wrapped bales for packaged durable goods. This innovative system eliminates expensive cardboard boxes, pre-made bags and paper bales providing an immediate return on your investment.

Dependable, versatile equipment.

Solutions that fit.

It's the foundation of our business.

THE FUTURE OF PACKAGING IS NOW

www.taylorproducts.com



Toll Free 800.748.7000

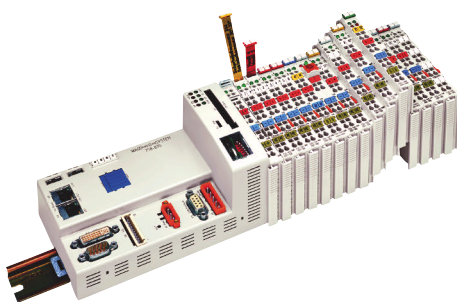
new products equipment

PLC for data collection

The I/O-IPC Series 758 PLC with PC features for data collection and recipe storage comes with both a USB (x2) and a CompactFlash® (x1) interface onboard. It is capable of enhanced data sharing, including gigabyte volumes of data storage, portability and control over data syntax. The memory device formatted as file memory can hold data stored, not as raw register data, but as user-specified, formatted strings of data. As such, the data can be encrypted or stored in commonly used formats for spreadsheet or database applications. A removable storage media feature allows days, weeks or years of data to be stored in a single device that can be easily removed and replaced. Support for USB 1.1 and CompactFlash Type 1 and 2 allows users the flexibility of choosing a storage device. It also has a real-time clock feature for embedding date and time values in the data strings.

Wago Corp., 800/346-7245.

www.wago.us



Label-printing software

The newest version of EASYLABEL® software includes XML (Extensible Markup Language) support for Oracle and SAP enterprise-management systems. EASYLABEL version 5.5 Platinum's XML monitor "watches" a file directory or TCP/IP port, automatically printing RFID or bar-code labels when a compatible XML file is received. This feature provides a direct connection to Oracle, SAP or other applications capable of generating a properly formatted XML file. It provides seamless printing of RFID or bar-code labels from supply chain or manufacturing software, the co. reports.

Tharo Systems, Inc., 800/878-6833.

www.tharo.com

RFID label applicator

The -3115/11 RFID air-blow applicator, the latest addition to the co.'s RFID solutions line, includes a velocity-compensation feature for improved label-placement accuracy. Zero-downtime labeling allows production to continue without interruption. Product and label queuing and missing-label compensation virtually eliminate unlabeled products, the co. says. Advanced RFID features include EPC, Class 0, Class 0+, Class 1 and Gen2 tag encoding, fully integrated UHF/EPC technology and user-friendly RFID tag-formatting software. The unit also has a tag-rejecter mechanism.

Label-Aire, 714/441-0700.

www.label-aire.com

Pneumatic valve islands The VM valve island family has been extended to include the new VM15. With a flow-size rate of 1.0 Cv, the 15-mm-wide VM15 has a valve manifold range that provides high performance, economy and a value-engineered solution, the co. says. Installation times can be reduced, thanks to the use of integrated, push-in fittings. Should machine specifications change, the configuration can be modified rapidly via interchangeable valve types. The modular islands have an engineered polymer construction that withstands harsh environments and chemical washdowns. They are also suitable for use in a variety of space configurations and applications. Mounting options include DIN-rail, through-hole and sub-base. The VM series can be configured from four to 16 stations, with single or double solenoids.

IMI Norgren, Inc., 303/794-2611.

www.norgren.com

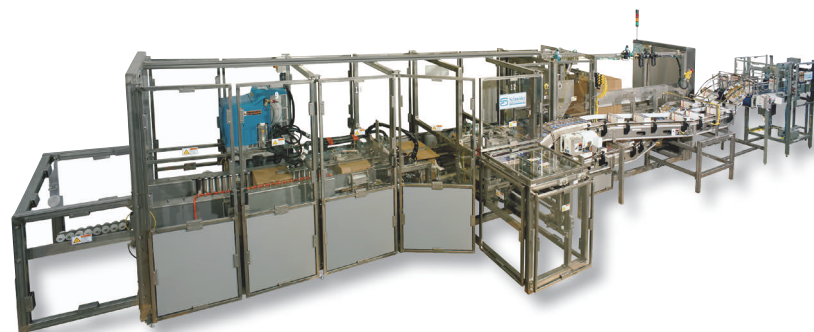


Gabletop carton packers

Initially designed for the dairy and juice markets, the co.'s line of case packers for gabletop cartons is suitable for applications where gabletop cartons are packaged into corrugated cases. Packers can be designed as either horizontal, top- or bottom-load vertical machines and can pack half-gallon cartons at speeds of up to 33 cases/min, depending on the pack pattern. The horizontal case packer is designed for repeatable, rapid changeovers from 3-pack convenience cases to 4-, 6- and 8-pack cases of half-gal cartons. Other machine designs are available to accommodate half-pt, pt, qt and gal-sized cartons. Features include Allen-Bradley Logix controls, a multiple-case-size magazine and touchscreen operation with diagnostics. An open, stainless-steel construction meets NEMA 4X requirements. A carbon-steel construction is available, and requirements for NEMA 12 can also be met.

Schneider Packaging Equipment Co., 315/676-3035.

www.schneiderequip.com

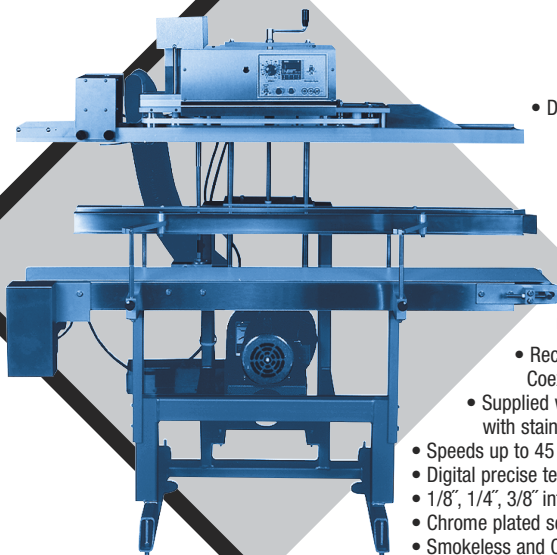


ROTARY BAND SEALERS & HEAT SEALERS

800-637-8808 • sales@apmpackaging.com • www.allpackagingmachinery.com

APPLICATIONS

Medical
Pharmaceutical
Chemicals
Food
Candy
Stationery
Textiles
Poultry
Meat
Bakery
Toys
Seafood
Crafts
Disposables
Hardware
Garden
Electronics
Pet
Decorative
Automotive
Mailroom

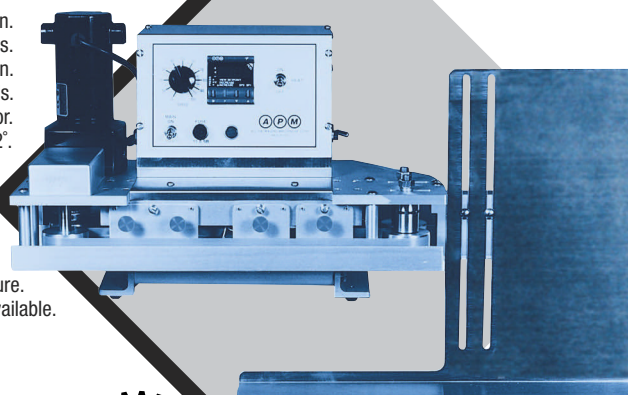


PORTABLE USDA APPROVED ROTARY TABLE SEALING SYSTEM

- Materials: PE, PP, Kraft, Tyvek, Polymylar, Foil, Coextrusions, Polyaminates, Military Specs, Nylon.
 - 1/8", 1/4", 3/8" wide hermetic seals.
- Designed on swivel base for sealing from vertical to 45 degree position.
 - 1" wide heavy duty teflon sealing bands.
- Speeds up to 45 feet per minute with ultra quiet DC gear motor.
- Digital precise temperature controller maintains heat up to 500 degrees ± 2°.
 - Chrome plated sealing assembly followed by cooling section.
 - Optional stainless steel adjustable infeed product carry shelf for ease of entry.
- Smokeless and Odorless sealing.
- Stainless steel shafting throughout.
 - Optional code feature.
- Vertical floor models available.

USDA APPROVED ROTARY VERTICAL SEALING SYSTEM

- Recommended materials: PE, PP, Kraft, Tyvek, Polymylar, Foil/PE, Cryovac, Coextrusions, Polyaminates, Nylon.
- Supplied with lower carry interfaced variable speed conveyor 6" wide by 5' long with stainless steel adjustable guide rails.
- Speeds up to 45 feet per minute with ultra quiet DC gear motor.
- Digital precise temperature controller maintains heat up to 500 degrees ± 2°.
- 1/8", 1/4", 3/8" integrity seals with high speed knife trim feature and scrap accumulator.
- Chrome plated sealing assembly followed by cooling section.
- Smokeless and Odorless sealing and trimming. Positive vacuum scrap removal system.
- Adjustable height sealing assembly with crank handle.
- Embossing one or two line coder available.
- Stainless steel covers, shafting throughout.



ALL PACKAGING MACHINERY CORP.

SEND FOR BROCHURE: 90 13TH AVENUE • UNIT 10 • RONKONKOMA, NY 11779 • Tel: 631-588-7310 • Fax: 631-467-4690 • TOLL-FREE: 1-800-637-8808

new products

HMI line Engineers and scientists can now use new flat-panel touchscreen, touch-panel computer and panel PC human machine interfaces (HMIs) with the NI LabView graphical development environment to develop user interfaces. LabView offers a rich user interface development environment with royalty-free deployment for the interfaces with LabView Application Builder, the co. says. Each touchpanel interface includes a LabView PDA module deployment license. Targets a wide range of distributed, programmable automation controller products (PACs), including high-performance PC-based I/O with PXI or industrial PCs, distributed I/O with Compact FieldPoint, FPGA-based, high-speed I/O with CompactRIO and distributed-vision systems with the Compact Vision System. Engineers can deploy LabView applications on the FPT-1015 15-in. industrial flat-panel touchscreen with a color LCD and resistive touchscreen, the TPC-2006 touchpanel computer and the PPC-2015 15-in. color-panel PC with resistive touchscreen and a 2.0-GHz Pentium 4 processor. Connection via Ethernet is available to a wide variety of PAC hardware.

National Instruments, 512/683-6490.

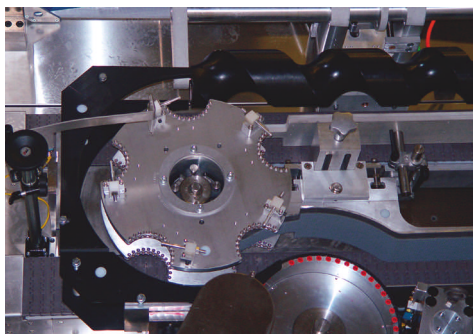
www.ni.com

Roll-fed labelers

The Marathon® U Series of roll-fed labelers, including the new Marathon XLU, features a 180-deg, U-shaped conveyor and a servo-driven infeed feedscrew. The labelers are designed to maximize container stability and production speeds while offering processors another line-configuration option with a right-side infeed and a discharge. The labelers are equipped with SMARTdrive™, an all-electric drive train, and five independent servo motors. And with advanced digital, multi-axis timing control, they eliminate complex mechanical linkages such as gears, belts and chains. The design simplifies operation, maintenance and changeover by using fewer moving parts and digital automation. Recipe downloads for each container allow the Marathon labelers to automatically adjust machine settings, and lightweight, color-coded, rapid changeover (RCO®) changeparts ease changeover. Built on a modular platform, the labelers can be tailored to meet specific needs. An optional handle-orientation feature applies labels to containers in relation to the container handle.

B&H Labeling Systems, 209/537-5785.

www.bhlabeling.com



Controller The MP940, a member of the co.'s MotionSuite™ family of electronic machine controllers, is a single-axis motion controller. Its modular design provides integral mounting with all Sigma II servo drives, the co. reports. The controller's features include RS-232 and RS-485 serial interfaces for programming and operator-interface connections. A choice of high-speed serial networks, such as DeviceNet and Mechatrolink, gives operators full network communication. The controller handles advanced motion-control functions like phase adjustment, digital gearing, external encoder input and more.

Yaskawa Electric America, Inc., 800/927-5292.


www.yaskawa.com



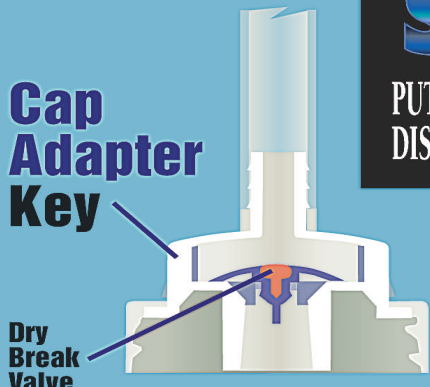
Bar-code label printer The new S4M printer is built with a metal enclosure and a die-cast frame for long life and reliable performance. The printer provides an economical choice for on-demand code printing in manufacturing, distribution and logistics applications, the co. reports. Media-management features help minimize downtime and promote productivity. The printer holds 8-in. label rolls that can be inserted via a side-loading mechanism with guides that make it easy for operators to change rolls without threading. A two-line LCD and a keypad offer a streamlined menu to change setup options. The unit processes label formats for both the ZPL and EPL printer command languages. It is also available with the ZebraLink Alternate Programming Language (APL) for competitive printing environments. Connects from 10/100 Ethernet, USB, 802.11b wireless, parallel and RS-232 serial ports. Includes support for multiple, linear and 2D bar-code symbologies and prints at 6 in./sec in label widths of 4.5 in.

Zebra Technologies, 800/423-0442.


www.zebra.com




PUTS A LOCK ON YOUR CHEMICAL DISPENSING PROBLEMS.




Cap Adapter Key



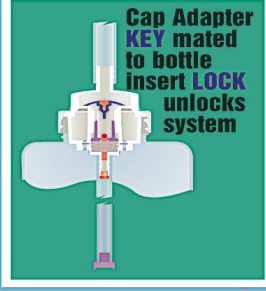
Dry Break Valve




Check Valve



Bottle Insert Lock



Cap Adapter KEY mated to bottle insert LOCK unlocks system



RD Industries, Inc.
P.O. Box 12278
Omaha, NE 68112

Sales: 1-800-759-7090 Ext. 3
Fax: 402-455-8242
www.rdindustries.com

With the Saf T Flo® Lock & Key chemical containment system your filling and dispensing operations are cleaner and safer. The LOCK mechanism features a closed loop system with automatic self-venting and anti-reversing check valve. The top surface of the Lock is recessed into the bottle neck for safe, easy shipping and storage. A matching cap adapter KEY unlocks the bottle insert and allows a controlled release of the contents. Chemical mixing and dispensing mistakes by untrained personnel are prevented. Spills, product waste and time consuming clean-ups are reduced. This reusable and disposable Lock & and Key system supports a variety of filling and dispensing applications.

Saf T Flo® liquid handling features

- Closed loop, hands off, chemical containment protects end users.
- Optional Lock-Out security modification prevents unauthorized use of your system.

For more information call or visit our website at www.rdindustries.com today.

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

new products

equipment

RFID starter kits The co.'s selection of RFID starter kits combines specific RFID smart labels and thermal-transfer printer ribbons to aid users in establishing pilot programs to meet emerging compliance initiatives. The kits contain the co.'s exclusive SmartTrak RFID smart labels, p-s labels that provide a choice of 96-bit read/write RFID inlays. The smart labels are available in 4×2-, 4×4- and 4×6-in. sizes. Each roll consists of 500 tested and verified labels. Also part of the kits is one thermal-transfer printer ribbon and a roll of 500 p-s labels without RFID inlays for use during system setup and calibration.

Weber Marking Systems, 800/843-4242.
www.webermarking.com



Registered shrink-film wrapper Capable of running at speeds of up to 200 bundles/min on a single row, the Baumer nonstop, print-registered shrink wrapper is designed for medium- to high-speed applications. It can pack products with or without partitions and has a user-friendly touchscreen operator interface. Its flexible design accommodates a variety of product types, the co. says, and it can be changed over in 2 to 15 min.

Polypack, Inc., 727/578-5000.
www.polypack.com



Ink-jet printhead controller The SX32 is a new, low-cost, user-friendly ink-jet printhead controller for the co.'s Drop-on-Demand™ (DOD) technology printheads. A range of enhanced-valve or traditional printheads may reportedly be used with the controller to print high-quality graphics, logos and date codes from 0.2- to 5-in. heights on porous and nonporous substrates, with each unit capable of controlling up to four printheads. The Co. offers a variety of proprietary, pigmented inks for dark or light surfaces, along with several VOC-free inks.

Matthews Marking Products, 412/665-2488.
www.matthewsmarking.com



Packaging Solutions

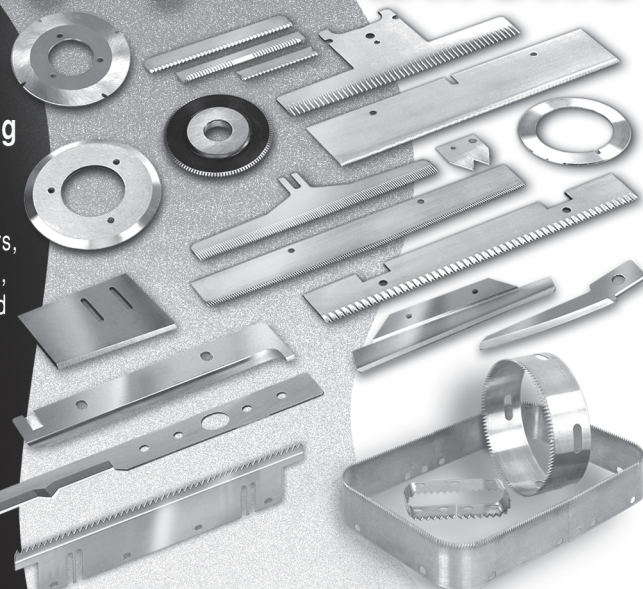
- Pharmaceutical
- Medical
- Food & Beverage
- Contract Packaging
- Personal Care

Keep your Baggers, Horizontal Flow Wrappers, Label, Pouch, Roll Stock, Tray Sealing, Vacuum, and Vertical Form Fill Seal Equipment performing at it's best with our Technical Expertise, HUGE Inventory, and OEM Quality.

We want to be part of your solution.

PLEASE CONTACT US AT...
1-800-407-0173
www.tgwint.com

RESHARPENING SERVICES AVAILABLE



TGW INTERNATIONAL
MACHINE KNIVES FOR THE PRINTING, PAPER, PACKAGING AND PROCESSING INDUSTRIES

sample it!

Case-sealing tape BetterSeal™ tape provides a strong, tamper-evident seal when used on corrugated cases. A water-activated tape, it bonds with the case following application, producing a sturdy, secure seal, the co. reports. The tape offers two-ply strength and is environmentally friendly and temperature-resistant. It comes in more than 15 different styles, including reinforced and nonreinforced, in lengths ranging from 375 to 3,000 ft. An E-Z® Pull Tab style provides an easy-to-open tearstrip, and custom colors and optional printing are available. The co.'s Code Taper and Optional Security Ink accessories can also be used. Samples are available from:

Better Packages, Inc., 800/237-9151.
www.betterpackages.com



Trial controller The co. will send a Micro 64 PLC with software to a customer for 90 days, free of charge. After the 90 days, the customer can purchase it at a special, reduced price or return it at no charge. The co. offers several sample packages with Micro 64 only, Micro 64 with Ethernet®, Micro 64 with an operator interface and Micro 64 with a stepper motor and amplifier.

GE Fanuc, 434/978-5100.
www.gefanuc.com

Die-cut packets Digitally die-cut sample packets using a range of substrates demonstrate the software of a system that synchronizes laser powering with the details of part geometry, such that burn-throughs and other defects in early-generation laser-cutting technologies are eliminated. Customized sample packets, including special features of specific substrates, are also available on request. Samples are available from:

Spartanics-Klemm, 847/394-5700
www.spartanics.com



Clear plastic packaging The co. offers a line of clear PVC and PET blister-type packaging that allows various products and their accompanying printed literature and labels to show through. The line includes clamshells, blister-packs and trays. The customizable components provide design flexibility and product protection. The packs are also easily nested. Samples are available from:

VisiPak, 800/797-7886.
www.visipak.com



Models C-50 & C-100 Stand-Up Pouch Capabilities



- 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

new products materials



DVD slider case The DVD version of the DBS Discbox Slider case is made exclusively of paperboard and can accommodate three discs and a booklet. The case fits into existing storage displays and saves in terms of material and transportation costs, the co. says. Based on renewable raw material, the paperboard case is durable and won't crack while providing protection against sunlight. The co. offers offset printing, converting and filling services.

Stora Enso Packaging Boards,
715/422-3111.
www.storaenso.com

Paint cans Peel & Paint™ is an opening and resealing system based on Easy Peel® technology. It features an aluminum lid sealed to an aluminum ring with a plastic cap. In addition to providing an easy-opening solution, the paint-can system also provides a tamper-evidence closure. The system is currently developed for 0.5-, 0.75- and 1-L cans.

Impress, 33-1-56-89-56-52.
www.impressgroup.com



Tins A new decorative tin "Holographic" features a 3D plaid design that produces a spectacular color display from every angle, the co. says. Each color of the rainbow is visible on the tin, which has a matching cover and body. The tin measures 6 $\frac{5}{8}$ x 1 $\frac{13}{16}$ in.

U.S. Can Custom & Specialty,
410/682-7105.
www.uscanco.com



Bottles Firenze PET square jars feature art-deco-inspired, beveled corners and a low profile. Available in 125-, 188- and 250-mL sizes with a 70/400 neck finish and a 500-mL size with an 89/400 neck finish, the jars are suitable for a variety of personal care products, including creams, ointments and dry products. They can also be used for large tablets and gelcaps.

Alpha Packaging, 314/427-4300.
www.alphap.com

Resin Developed for microwavable food packaging applications, DYLARK FG styrenic copolymer resins provide high-heat rigidity and low-temperature toughness for freezer-to-microwave performance. The resin's polymeric structure retains stiffness and part strength through a temperature range typical of microwave ovens and high-heat foodservice applications. DYLARK FG trays reduce the risk of spillage when handling hot-food containers, the co. says.

Nova Chemicals Corp., 866/275-6682.
www.novachemicals.com



Packaging ideas The co. offers clients and prospects new ideas along with a simple and creative approach to meeting timelines and expectations. Experience with suppliers from all over the world provides customers with a vast array of capabilities combined with a customer-service-driven support organization, the co. reports.

Pbideas, 800/562-7668.
www.pbideas.com

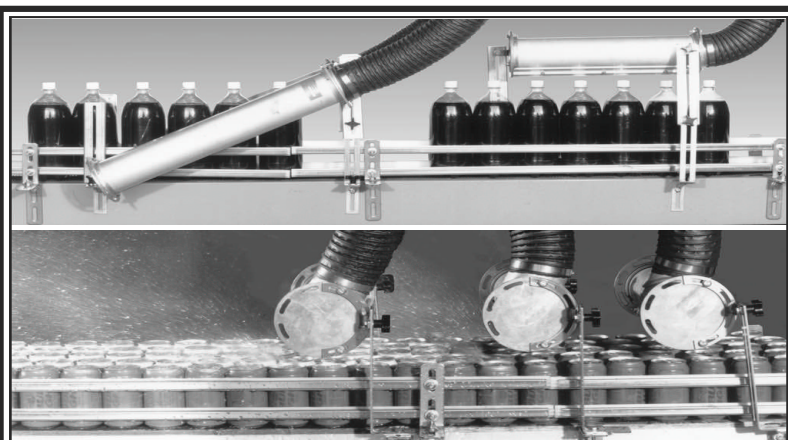
Void-fill pillows AirPouch™ void-fill air pillows are now available in larger 8×10- and 8×12-in. sizes, yielding almost twice the volume of smaller sizes, the co. says. Separating easily via EX-Tear™ perforations, the pillows are produced by AirPouch Express 3, a portable, benchtop machine that makes strips at more than 50 ft/min using DuraClear™ PE.

Airpouch Div., Automated Packaging Systems, Inc., 888/288-6224.
www.airpouch.com



Adhesives New Coseal™ cold-seal adhesive overcomes two major obstacles that have long plagued converters of moisture-sensitive and oxygen-sensitive packaging, such as those used for candy bars, ice cream or even gummy snacks. The adhesive provides an improvement in sealing performance for those packaging converters who have relied on natural rubber, while bringing converters that use existing synthetic cold-seal adhesives a new, lower-priced, higher-performance synthetic alternative, the co. says.

Rohm and Haas Co., 215/592-6922.
www.rohmhaas.com



CAN and BOTTLE WATER BLOW OFF

- Mounting hardware for quick installation.
- Quick adjustments for different sizes.

AIR BLAST INC.

Phone: 626.576.0144

Fax: 626.289.2548

P.O. Box 367, San Gabriel, CA 91778

E-mail: SALES@AIRBLASTINC.COM

Web Site: www.airblastinc.com





auto labe
Pressure Sensitive Labeling Equipment
For Growing Companies.



**CONVERT YOUR RFID PRINTERS
TO AUTOMATIC APPLICATORS**

**CONVERT YOUR PRINTER APPLICATORS TO
RFID PRINTER APPLICATORS**

**APPLY PRE-PRINTED OR NON-PRINTED RFID TAGS
AUTOMATICALLY. AUTO LABE INCLUDES RFID
READER TECHNOLOGY IN THE LABELER.**

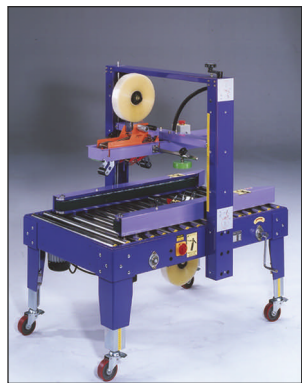
ALSO A SUPPLIER OF RFID LABELS

RFID LABELING AUTOMATION
LOCATED IN FT. PIERCE, FL
CALL 1-800-634-5376 FOR YOUR CLOSEST DISTRIBUTOR
www.autolabe.com

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 SEALERS

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 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.

sales@absealer.com, 877-885-9299

Raise the Bar on Quality

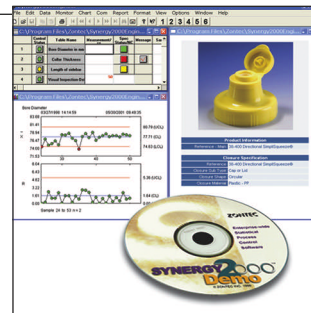
Is poor quality eating into your profits? Synergy 2000™ Statistical Process Control Software can help you predict and prevent production problems. Monitor and react in real time. Strive for parts-per-million quality; build process capability; increase yields. Interface with production equipment for automatic data collection. Brochure and demo software on request.

Zontec

513-648-9695

www.zontec-spc.com

spcinfo@zontec-spc.com



Flowmeter Filler Model EXACTA-R

Ronchi offers a compact 8 head advanced technology flowmeter filler Model EXACTA-R for users with moderate outputs for speeds up to 80 BPM. Developed from the unique and mature pedigree of 375 machines installed world wide, it has all the outstanding advantages of its larger family of flowmeter machines. Current blue chip users benefit from features including recipe management, quick C.I.P./S.I.P., 10 minute changeover, and "on-the-fly" fill adjustment for individual or all filling heads.

Ronchi America LLC, 201-802-1901, Fax: 201-802-8905
E: info@ronchiamerica.com, www.ronchiamerica.com

J.W. Winco Website Offers eStore, 3D-CAD

J.W. Winco, Inc.'s website now includes an eStore for online purchasing. Check pricing on over 18,000 parts, and purchase by credit card. Free UPS Ground shipping for orders over \$15. The website also offers free 3D-CAD models in all formats, as well as an online CAD viewer.

Visit our website.

J.W. Winco, Inc.

www.jwwinco.com



RSI 2.0" Stainless Steel Splash Proof Printhead w/Regulator

Case printing demands robust and reliable solutions. Today's equipment can be subjected to sanitation processes, corrugated dust and debris. The RSI 2" Stainless Steel Splash Proof printhead provides environmental containment for the Hewlett-Packard TM Thermal Ink Jet (TIJ) technology. With standard "open" printheads Housings, electronics, cartridges, and regulators are exposed now they are protected. Hewlett-Packard TM technology can print barcodes and text at speeds up to 500 fpm. **RSI Print Systems**, 866-774-6847 www.rsiprintsystems.com, East pack booth #4045

Mettler-Toledo Hi-Speed X-Series Checkweigher

Hi-Speed X-series is a timesaving, IP 69K compliant, "no tools required" checkweigher. X-Series is ideal for packaging lines requiring frequent washdown. This totally new design features smooth contours, a highly visible 15" user interface proven to withstand very harsh environments, and a controller that seamlessly integrates multiple inspection functions.

Mettler-Toledo Hi-Speed, Inc.

Tel: 607-257-6000; Fax: 607-257-6396

hispeed@mt.com; www.hispeedcheckweigher.com



Introducing Value-Packed Labelers for Special Labeling Applications

If you're looking for real value in wrap-around, top-and-bottom or two-sided automated labeling systems, consider Paragon's ProSeries. This turnkey ProSeries provides performance you expect at a price you can afford. NETCON touch screen controls enable users to quickly set-up labeling applications on a bright LED display, and production lines run smoothly with easy-to-reach hand wheel and side rail quick-set adjustments.

Paragon Labeling Systems, 888-317-2633

info@paragonlabeling.com, www.paragonlabeling.com

rose plastic introduces the RoseBox

rose plastic introduces the RoseBox, packaging to display and store electronic or manufactured parts, instruments or computer accessories. It is a contemporary design box, constructed in ABS grade plastic, economical, efficient and available with foam or vacuum inserts. Offered in four bases sizes in various heights and in numerous color combinations The RoseBox is stackable horizontally or vertically. Special features are lasting integrated hidden polyamide hinges, a built-in secure locking mechanism that cannot open on impact and a clear or custom lid for any specialty labeling. **rose plastic usa**, www.rose-plastic.com



HITACHI AC Drives Family

Hitachi, a global leader in quality standards, offers general purpose and high performance drives from 1/4 to 350HP. A wide range of available communication protocols and a full line of accessories enhance the best price/performance ratio in the business. One simple programming tool for the entire range of drives means easy start-up, operation and serviceability.

Hitachi America, Ltd.

914-631-0600

inverterinfo@hal.hitachi.com

www.hitachi.us/inverters

HITACHI
Inspire the Next

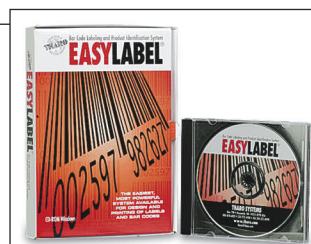
XML and RFID Labeling Software

EASYLABEL® 5.5 Platinum software now includes XML (Extensible Markup Language) support for Oracle and SAP enterprise management systems. EASYLABEL 5.5 Platinum's XML Monitor will 'watch' a file directory or TCP/IP port and will automatically print your RFID or bar code labels when a compatible XML file is received. Download a Free DEMO today at www.tharo.com.

Tharo Systems, Inc.

800-878-6833, Fax: 330-225-0099

sales@tharo.com, www.tharo.com



info showcase

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

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



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

Offering custom printed shrink sleeves and heat shrinkable labels and seals. Clear and colored films--shrink sleeves and cut bands also available in hundreds of sizes. Supplier of Pre-Forms and Multi-Pack Bands. Full Service Contract Sleeving Division shrinks sleeves directly onto your products via heat/steam tunnel technology. Call for quote.

Ameri-Seal Inc.

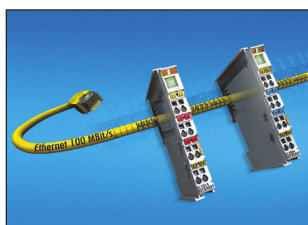
(818) 700-9036, (800) 220-7981, Fax: (818) 700-9062
www.ameri-seal.com, E-mail: mail@ameri-seal.com

Barrier Plus™ Plastic Packaging Keeps Products and Graphics Crisp

Barrier Plus plastic packaging features gas and moisture barrier, superb quality printing, and can be formed in a variety of sizes and shapes. Paper Machinery Corporation has brought together a combination of technological breakthroughs to create the packaging industry's first ever pre-printed convolute container. Barrier Plus has garnered both the AmeriStar and WorldStar awards in 2004.

Paper Machinery Corporation

414-362-8247, www.papermc.com



EtherCAT - Real-time Ethernet

Outstanding performance, flexible topology and simple configuration characterize EtherCAT (Ethernet for control automation technology), the real-time Ethernet fieldbus from Beckhoff. EtherCAT excels where conventional fieldbus systems reach their limit: 1,000 distributed I/Os in 30 µs, almost unlimited network size and optimum vertical integration thanks to the latest in industrial Ethernet technology.

Beckhoff Automation

952-890-0000, 1-877-TwinCAT
www.beckhoffautomation.com/ethercat

A Modular Cartoning Solution: Automation at Your Own Pace

The 54L erects, closes the bottom, and positions cartons vertically. A loading area of any length can be attached for manual/auto loading. The 82 Top Closer can be added later for a complete system. Cartoners run a range of sizes/styles, at 60cpm.

Bivans Corporation

(323) 225-4248
Fax: (323) 225-7316
www.bivans.com



CVC's New Super Intelligent "Hawk" Labeler

The Model CVC-302 wrap around labeling system has an automatic bar code verification system and rejects any incorrect products or labels. Special features includes SelfSet™ automatic setup, Servo motors, automatic counters, touch screen controls and memory capacity for up to 50 job. The placement accuracy is up to $\pm 1/32"$. The "Hawk" is reliable, affordable and comes with a customer satisfaction guarantee.

CVC Technologies, Inc.

Toll Free Phone: 877-282-7333 • Fax: 909-941-8400
www.cvcusa.com



Cartoning Equipment

An attractive file folder contains individual product engineering data sheets on the full line of ECONOSEAL cartoning equipment. ECONOSEAL machines erect, load and close end-loaded or top-loaded cartons of paperboard or corrugated materials, simply and economically.

Econocorp, Inc.

781/986-7500; Fax: 781/986-1553; www.econocorp.com;
E-mail: info@econocorp.com



Compak™ Jr. Flyer

The Compak Jr. is simple to carry and operate yet powerful enough to handle virtually all of your induction cap sealing jobs from the smallest closures to 110 mm wide-mouth containers. The Compak Jr. is ideal for lab use, test marketing new products and small production runs. Complete with multiple heads, this self contained unit plugs into a standard wall power and can be traded in for up to 100% of your purchase price.

Enercon Industries Corp.

www.enerconind.com; Ph: 262-255-6070
Fax: 262-255-7784; E-mail: info@enerconind.com

Silicone Coater and Technology

GREAT OPPORTUNITY. Turn Key solution for company looking to backward integrate into Silicone Coating. Willing to train/transfer MRI's knowledge and technology. **Technical Data**—Built for MRI in 1997; 33" wide. Water based coating; powered 40" diameter unwind, 3" airshafts with edge guide. Main pull roll; meyer rod & grave coating head; infrared preheat section; 3 zones (20 ft. each) in oven. All oven rollers are tendency driven.

MRI

Rich Speeney, 215-860-7676 ext. 3031



SmartLase® Laser Coder

The SmartLase® laser coder from MARKEM delivers crisp, clean codes with none of the mess, maintenance, or hassle of continuous ink jet coders. Of course, SmartLase coders are built with all the reliability you expect from MARKEM, for greater uptime and lower operating costs. Learn more at our website, or call us.

MARKEM Corporation

866-263-4644
www.markem.us/smartlase

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

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

Visipak

www.VisiPak.com



marketplace

Standard classifications are: Machinery/Materials; Contract Packaging; Career Opportunities. Other more specific classifications may be requested. 2006 rates are \$285.00 net per column inch (1 time frequency), \$265.00 net per column inch (3 time frequency), \$250.00 net per column inch (6 time frequency), \$240.00 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) 288-8476
Attn: Barbara Levin • Phone: (630) 288-8474
E-mail: blevin@reedbusiness.com

Machinery/Materials

FILLERS • CAPPERS • TURNTABLES

Quality made in the USA

www.fillers.com
INLINE FILLING SYSTEMS, INC.

TEL: (941) 486-8800
FAX: (941) 486-0077

Acquisitions

An affiliate of

SUN CAPITAL PARTNERS, INC.

has completed the acquisition of

Exopack

Exopack is a leading North American flexible packaging converter and provider of paper and plastic packaging solutions from 13 manufacturing facilities to approximately 1,800 U.S. and customers.

FAMILY OWNED WORLD'S LARGEST SUPPLIER SINCE 1912

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

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

NEW YORK
(T) 718.585.0200 • (F) 718.993.2650

CHICAGO
(T) 773.376.5400 • (F) 773.376.0634

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

PACKAGING EQUIPMENT

NEW & USED PACKAGING MACHINERY
PARTS • SERVICE • CUSTOM FABRICATION

**MIDWEST
PACKAGING
SYSTEMS**

"We buy and sell all types of packaging equipment."
PH/FAX: 636-225-1555
E-mail: mpe@midwestpackagingsys.com
Web site: www.midwestpackagingsys.com

FOR SALE

Single lane filling machine, manufactured in 2003 by Modern Packaging. Capable of filling, heat-sealing, lidding. Modified atmosphere. Fills 4oz-32oz cups. 30 cups/minute. **Call for pictures and info at 970-215-3459.**

**PISTON FILLERS
FOR LIQUIDS, CREAMS, & PASTES**

High quality piston fillers for your most demanding application. All pneumatic operation and stainless steel construction make these models ideal for washdown food/dairy applications & hazardous environments.

For more information, please call
1-866-ALL-FILL
or visit us at www.all-fill.com

ALLFILL
All Performance... All The Time

EQUIPMENT FOR SALE

- Processes • Tanks • Liquidations
- Packaging • Pumps • Systems

www.s4mEquipment.com
searchable database

SOLUTIONS 4 Manufacturing
Solutions 4 Manufacturing
sales@solutions4mfg.com
Phone: (217) 245-2919 • Fax: (775) 361-0279

**LABELING MACHINES
PRESSURE SENSITIVE & PLAIN PAPER**

ADVENT 200
STANDARD SHIP LABEL
1" TO 4 1/2" LABELS

ADVENT 300
PRESSURE SENSITIVE
NO AIR OR SOLVENT

ADVENT 205
5-GALLON • SHIP GLUE
REGISTRATION

ADVENT 310
PRESSURE SENSITIVE
PUSH THRU OPERATION

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

CHANGE PARTS, INC.
Specializing in Packaging Equipment and Parts

CHANGE OVER PARTS
Bottle & Cap Handling, No Tools "Kwik Change"
Precision Made Timing Screws, Timing Screw Kits

REMANUFACTURED & USED EQUIPMENT
Cappers, Cleaners, Fillers
Rebuild to your specifications or "as is"

NEW PACKAGING MACHINES
Fillers, Cappers, Complete Lines.

REPAIR & REPLACEMENT PARTS
Specializing in Consolidated Capper Replacement Parts
Nozzles, Quality Chucks, Rubber Wear Items

CONVEYING SYSTEMS

**REMEMBER WE ARE YOUR
CONSOLIDATED CAPPER SPECIALIST**

231.845.5107
www.changeparts.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

DJS Enterprises

NEW AND USED PROCESS AND PACKAGING EQUIPMENT

Swiftpack 2x16 Lane Tab/Cap Counters
Thomas 24" Accela-Cota Spray Coater Mdl 24-III
Bosch GKF 130 Capsule Filler with size "0"
King TB-4 Electronic Tab/Cap Packaging Lines
New 8 Sin "D" Tooling Tablet Presses with pre-compression
Manesty Beta Press 16 Station Rotary Tablet Press

• Giant Fluid Bed Dryers Models WSG-3 + WSG-5-2V
• CLJ UNI-CAP 8 Auto 4 Quill Capper
• Mateer Twin Head Auger Filler Mdl 2900
• 5-20 Cu Ft Patterson Kelley "V" Blenders
• Se Long Model SF-30 Capsule Filler
• 38", 42", & 48" S/S Coating Pans

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

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

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

**AUGERS,
FUNNELS and PARTS**
for All-Fill, AMS, Bartelt®, Mateer and Spee Dee Fillers

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

Auger Manufacturing Specialists
22A Bacton Hill Road
Frazer, Pennsylvania 19355 USA
USA & Canada, Toll Free: 1-(800)-544-1199
(610) 647-4677 Fax (610) 640-9085
www.augermfgspec.com
E-mail: info@augermfgspec.com

Registered trademarks used are owned by their respective owners.

www.packagingdigest.com

Place Your **MARKETPLACE AD TODAY!**

Machinery/Materials

We Buy *and* Sell
"USED" Label-Aire's

Board and Drawer Repair
Rebuild, Parts and Service
Equipment Rental

QLC

800-837-1309

The company that *applies* itself!

AUGERS • FUNNELS



& FILLING MACHINE REPLACEMENT PARTS

for Filling Machines Including:

All-Fill AMS Mateer
Bartelt® Per-Fill Spee-Dee
Most Standard Sizes are In-Stock for Quick Delivery

AUGER/FAB

Toll Free: (800) 334-1529

Web-site: www.auger-fab.com E-mail: info@auger-fab.com

It Pays To Advertise!

BINER ELLISON
High Speed Packaging Machinery
AN ACUTER COMPANY



**High Speed Rotary Filling Systems
STARTING AT \$79,995**

Why pay more for a filler that offers less?
Biner Ellison offers high speed rotary filling
machines with more standard features and
available options than any competitor.

**High Speed Sleeve Labelers
and Heat Tunnels**

Sleevers starting at: Tunnels starting at:
\$29,995 \$1,995

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

YORK SAW & KNIFE Knife Experts
COMPANY INCORPORATED for 100 years!

PACKAGING MACHINE KNIVES



*MANUFACTURED TO
YOUR SPECIFICATIONS

*NO MINIMUM
QUANTITIES

*EMAIL OR CALL
FOR QUOTE



www.yorksaw.com
800-233-3950

MAYOR PACKAGING ENTERPRISES USA, LLC
Web Site : www.mayor.com.hk

Roto Gravure up to 9 colors
Film in rolls stock and pre-made pouches
Standing Pouch with zipper
Quad Seal Pouch with zipper
PVC/OPS/PET Shrink Sleeve
Retort pouch (foil and non foil type)



277 Broadway, Suite 1710 NEW YORK, NY 10007
Tel: (212) 529-3228 Fax: (212) 529-3570
E-mail: bensonlim@mayor.com.hk

**GET OUT OF THE COLD
AND WARM UP WITH
HOT DEALS**
from REPUBLIC PACKAGING INC.
QUALITY PRE-OWNED EQUIPMENT

SHRINK WRAP MACHINES & TUNNELS: Shanklin, Hi-Tech,
Weldotron, Conflex, Hanagatta, Beseler, Clamco, Seal-A-Tron,
Sergeant
SHRINK BUNDLERS: Great Lakes, Anderson APV, Weldotron
HORIZONTAL WRAPPERS: Doboy, Marden Edwards, Scandia,
Dizmo, All Pac Super
ALSO AVAILABLE: Blister & Skin Pkg. Equip., Checkweighers,
Carton Tapers & Strappers Autobaggers, Renco Baggers, C&K
Bunch Wrappers, Labelers, Cartoners, Neck Banders
JUST IN: SHANKLIN F-4A S/S, F-1, A-26A, Tunnels T-72 S/S, T-62
S/S, T-7XL; CECO & CLYBURN CARTONERS; SENCORP HP12 Blister; MIMA
Pallet Wrapper; and many accumulating and rotary tables.

*** CHECK OUR WEB SITE OR CALL FOR MORE DETAILS ***

REPUBLIC CSC SHRINK FILM
GREAT SUPER SAVER PRICES

Call for pricing and a FREE sample test roll.

PARTIAL LIST - CALL FOR DETAILS
WE WANT YOUR SURPLUS EQUIPMENT

REPUBLIC PACKAGING, INC.
1771 Tamlinson Rd., Philadelphia, PA 19116

(215) 698-1905
www.republicpackaginginc.com

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

Let Us Make Your Booklet Labels™

www.JHBertrand.com
a.k.a. BookletLabel.com

CGMP

FRAIN INDUSTRIES, INC.
NEW ARRIVALS EVERY DAY!

5D9934 Angelus Auto (3) Head Can Seamer 130 cpm
R23371 Bandrite Automatic Band Sealer 550inches/min
6M1143 Bosch Auto S/S Vertical Form Fill Seal 120ppm
5E0021 Cam Auto Horizontal Tuck Cartoner 120 cpm
5D9957 Consolidated Auto 4 Hd Rotary Chuck Capper
6M1351 Davis Eng Auto Sleeve 10 1/2"centers 200spm
R23431 Doboy 2 UP Horizontal Flow Wrapper 350 ppm
5D9943 Hartness Automatic Drop Case Packer 30 cpm
5E0219 Hoppmann 40" dia Centrifugal Feeder 450ppm
5D9889 Int'l Paper HM glue Case Erector/bottom sealer
R23231 Ishida S/S Belt Checkweigher up to 2.6 pounds
6M1136 Ishida Water Proof 12 Head Combination Scale
6M1512 Key Tech Vibratory Dewater Conveyor 300gpm
R23241 Kiss Pkg Semi Auto (6) spindle capper 150cpm
5D9972 Klockner Automatic Dual Lane Blister 180bpm
5E0471 Label Aire Single Color Print & Apply Labeler
6M1521 Longford Auto Coupon Inserter feeder 150ppm
6M1530 Modern Flow S/S Continuous Enrober/Coater
5D9898 Mateer Burt (2) Head Auger Powder Filler 140 fpm
5E0184 MRM Elgin 16 Head Rotary Piston Filler 240 fpm
R23102 PDC 6"L Neck Band Shrink Tunnel 3 1/4" Dia Necks
5E0220 Posimat 14 Pocket Bulk Bottle Unscrambler 200bpm
5D9121 Prototype 28 Head Pic N Place Case Packer 600ppm
5D9147 Randles Tuck Tray Former 25"L x 16"W x 4"H 65cpm
6M1122 Rasch Semi Auto Fold/Bunch Foil Wrapper 70 wpm
5D8887 Resina Automatic 3 Station s/s Quill Capper 150cpm
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
R23312 Sergeant Semi Auto L Bar Sealer & Shrink Tunnel
5D9591 Shanklin Flow Thru lap seal shrink wrapper 100ppm
5E0197 Shorewood Auto Inline S/S P/S Front & Back Labeler
R23352 SWF Automatic Hot Melt Glue Tray Former 60 tpm
6M1501 Trane 225 Ton Twin Screw Air Cooled Water Chiller
R23412 Video Jet S/S (1) Hd (2) Line Ink Jet Coder 123/min
5E0813 Wozniak Auto (4) Hd S/S Bearclaw Capper 20-120mm

Chicago
AREA

(630) 629-9900 **www.fraingroup.com**

Auction

DOVEBID® WEBCAST AUCTION

Webcast Auction

April 27, 2006
9am CT

Preview: April 26, 2006
9am to 4pm CT
by appointment only
For further information or
preview appointment,
please contact
Tom Conwell
at Phone **312.515.3050**
or E-mail:
tconwell@dovebid.com

Preview Location

Chicago, Illinois

**Bid in person or
on the web at
www.dovebid.com.**

A buyer's premium
is in effect.

DOVEBID®
Business Auctions &
Valuations Worldwide

By order of



TURTLE WAX®, INC.

Late Model Liquid Packaging Equipment, Stainless Tanks, Maintenance & Warehousing Equipment

Complete Packaging Lines: 12 Head Straight Line Gravity Filling Line:
128-160 oz, 18-24 bpm; 20 Head Rotary Filler Line: 16-32 oz,
60-120 bpm; 30 Head Rotary Filler: 8-128 oz, 30-100 bpm; 16 Head Rotary
Piston Fillers: 15-19 oz, 60-120 bpm

Additional Packaging Equipment: Kaps-All, Pack West, & Consolidate
Cappers; Label-Aire Labelers; Lepel & Pilar Induction Sealers; Wexar Case
Erectors; 3M Case Sealers; Imaje & Video Jet Coders; Weldotron, Kalfass,
Shrink Lines; Lantech Pallet Wrappers; Huge Quantity of Power Conveyor

Stainless Steel Processing Tanks & Kettles: (50+) 100-5,000 Gallon;
Perma San, Pfaudler, Walker, Will Flow; Fiberglass Tanks to 5,000 Gallon;
50-100 Stainless Steel Pumps

Maintenance & Warehousing: Complete Modern Shop; Sullair Screw
Air Compressors; Boilers and Water Treatment; Caterpillar, Yale, Clark,
Kalmar Forklifts; JLG, Sky Jack Scissors Lifts; Advance Floor Scrubbers

Complete Offices & Labs and Much More

www.dovebid.com

CA Bond #69567717

Auctioneer & License: DoveBid, Inc. #44.0000206

ADVERTISING

MEANS BUSINESS

Machinery/Materials

PLASTIC BAGS

Over **600** sizes of poly bags & zipper locking bags in stock
for same day shipping. Unlimited custom options too!
Free drop shipping, no minimum orders and a Low Price
Guarantee. Call for your **FREE Distributor Catalog** or
visit www.InternationalPlastics.com

Packaging Distributor Hotline **1-800-433-0095**

FOR SALE:

Like New, 50HP Hockmeyer Mixer/Disperser

With 100 Gallon S.S. Can,

Plus Recirculating Waukesha U 60 Sanitary Pump,
With Vari Drive and 3 Inch Sanitary Piping.

Original Cost about \$30,000, Asking \$12,500.

Located in New York • 631.726.4433

COMPLETE BOTTLING SYSTEMS ... since 1941

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

www.kapsall.com



Fast Changeovers
Little or no change parts required

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

The Proven Standard @ ... Since 1941.

KAPS-ALL

PACKAGING SYSTEMS INC.

KAPS-ALL CAPPER • FILLS ALL •
FEED SYSTEMS • ORIENTAINER •

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

Genuine Autobag® Remanufactured Systems

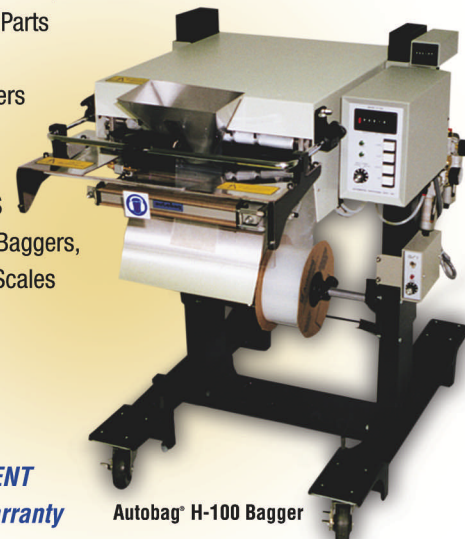
- Remanufactured to Original Specifications
with Genuine Autobag® Parts

- National Service Engineers
on Call

- Access to Complete APS
Product Line, including Baggers,
Imprinters, Counters & Scales

- Genuine Autobag® Bags
also Available

BUY • SELL • RENT
In Stock • 90 Day Warranty



Autobag® H-100 Bagger

www.remanufactured.autobag.com

800-316-6993



**Automated
PACKAGING SYSTEMS**

DIRECT FROM THE
ORIGINAL MANUFACTURER

marketplace

Machinery/ Materials

WANTED USED POUCHING MACHINE

Bartlett model 1M 9-12, dual fill station, fill wt. range 1-16 oz., 90-100 plug/ min, non gusseted bag, max web width 21" email Claude Carrier at:

claudec@eversonspice.com

FOR SALE

Blow Mold & Packaging Equip. Bekum's Fischer, Uniloy, Etc. Unscramblers, Carton Tapers, Chillers, Thermolators, Granulators, Dairy & "F" Style Gallon Molds, Mold Sampling & Short Runs.



Garden City Plastics
Equipment & Supply Co.

816-862-8703 • Fax: 816-862-8702
www.gcplastics.com
Email: gepron@aol.com

REFURBISHED POLY BAGGING MACHINERY

REFURBISHED LINE OF MACHINERY - "LIKE NEW", comes with a 90-day warranty, parts, installations & engineering available.

In stock:

- H-100® Baggers (all models)
- Conveyors: Bucket, Cleated and Belt
- Counters: 18" and 24"
- Scales: Automatic and Semi-Automatic
- Table-top Baggers
- Printers: Thermal Transfer and Hot Stamp

WE PURCHASE:
USED H-100® BAGGING MACHINES ANY
CONDITION, OR ANY OF THE APS LINE.

WE ALSO MANUFACTURE:
PRE-OPENED POLY BAGS ON ROLLS
USED ON THIS EQUIPMENT.

H-100 is a Registered Trademark of Automated Packaging Systems, Inc.

Advanced Poly-Packaging, Inc.

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

Contract Packaging

Call The Slim Stick® Authority For The Hottest Single-Serve Package

Dry & liquid applications • Consumer preferred



800-322-THEM
(8436)

5A Stow Road, Marlton, NJ 08053
www.them.net

Gateway To Global Packaging Solutions

Machinery/ Materials

FRAIN GROUP
Chicago Area
(630) 629-9900
www.fraingroup.com

NEW CENTURY PACKAGING, INC.
TOP 5 REASONS
NEW CENTURY PACKAGING IS FOR YOU

- Appealing and Convenient Pouching
- Quality Service and Reliability
- Private Label / Contract Packaging
- Food and Consumer Product Pouching
- Improve your per unit cost without Compromising Quality

8047 West 185th Street • Tinley Park • IL 60477
www.ncpkg.com • CALL : 800-451-2290

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

Aldelano Packaging Corp.
Outsourcing 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!



PRIVATE LABEL, CONTRACT PACKAGING,
DRY PRODUCT PACKAGING & BLENDING

CURRENT COMPACT PRODUCTS:

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



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

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

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

Cuppac **Portion Packaging! **
Contract Cup Packaging

- AIB Superior, Kosher
- Hot, Cold, Liquid, Dry Packaging
- Bottle & tube filling from amenity to gallon
- Low-to-High Volume
- Turnkey Solutions

(815) 624-7060 www.cuppac.com info@cuppac.com

PERSONAL CARE CONTRACT MANUFACTURER

- Quick-turn, 24 x 7 operations
- In-house laboratory
- Bottle & tube filling from amenity to gallon
- Flexibility of filling thin to extremely dense formulas

PACKAGING ON DEMAND
1284 Puerta Del Sol
San Clemente, CA 92673
Phone: 949.226.7289
www.pakondemand.com
E-mail: sales@pakondemand.com

It Pays To Advertise!

Career Opportunities

Sales Rep Wanted

Offshore rotogravure flexible packaging co. is seeking an independent sales rep, brokerage co. or experienced sales rep. High commission, benefits negotiable, must have own accounts. E-mail resume.klee@rotopak.net or fax 714.522.2490.

Rexam Beverage Can Co. seeks **SAP Basis Administrator** in Chicago. Requires Bachelor's in Computer Science or equiv & 2 years experience including Intel or Unix server on: SAP R/3 (v4.x & above), any version of WorkPlace or Portals, SAP BW, Solution Manager, & 1 year SAP security administration & Disaster Recovery. Resume to:

Compensation Analyst • 8770 W. Bryn Mawr Ave., Ste. 175 • Chicago, IL 60631-3655

By placing your ad in the
Career Opportunities section
of Packaging Digest, it will appear
free of charge on our website:
www.packagingdigest.com

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

Services

CARTPAC, INC.
RECONDITIONING & SET TO SIZE
Chicago Area (630) 510-1100
9377 W Grand Ave Franklin Park, IL 60131

AFFORDABLE FILLING SOLUTION NEW ENHANCED B-350e FILLER

\$8995



Why gamble with used filling equipment? You can have a NEW Model B-350e Auger Filling Machine for a special price of \$8995. Features include PLC Controls, aluminum head casting, 16 gallon hopper, dustproof cover with one piece clamp, coast compensation, 5 Product Setup Capacity, and a full 1 year warranty.

STOCKED FOR IMMEDIATE DELIVERY

For more information, please call

866-ALL-FILL

or visit us at www.all-fill.com

ALL FILL
All Performance... All The Time

Modular Framing Components

80/20 80/20 Inc. NEW!
The Industrial Erector Set HT Series™
For The Full Story...
www.8020.net
Toll Free: 877-248-8020
Fax: 260-248-8029
www.8020.net Modular T-Slotted Aluminum Framing!

Don't Forget To
Advertise!
Place your marketplace ad TODAY!
Call Barbara Levin at
630/288-8474

newsmakers

MOVERS & SHAKERS

Alcan, Inc. makes Richard "Dick" Evans its president and CEO, succeeding the retiring Travis Engen. Evans remains a director of the board.

Alcoa adds V. Lance Mitchell as president of its Closure Systems Intl. business. Mitchell most recently served as a group vp for PolyOne Corp.

Sato America, Inc. appoints Gary Krause as its new director of marketing. He joined the co. three years ago as a distribution sales manager.

Ampac Packaging, LLC names Jon Powell managing director of its newly created Ampac Europe operation. Powell brings more than 25 years of experience.

Colder Products Co. promotes Rick Garber to the position of vp of marketing. Garber developed the co.'s award-winning RFID capabilities and is a leading advocate of smart technology.

R.A. Jones & Co., Inc. promotes Tami VanVooren to the position of natl. account manager for the foods industry. She joined the co. in '98.

OMAC Packaging Workgroup adds William Henderson to its executive board. Henderson is a marketing manager for the Automation and Motion div. of Siemens Energy & Automation, Inc.

with a 26,000-sq-ft addition.

Dematic Corp. (www.logistics-assembly.siemens.com) a subsidiary of Siemens, opens as a supplier of automated materials handling systems and solutions. The co. is the successor of the former distribution and industry group of Siemens Logistics and Assembly Systems, Inc.

KHS (www.khs.com) changes its name to KHS USA, Inc. to better align its corporate identity following the merger last year of Klöckner Bartelt and Kisters Kayat.

Sato America, Inc. (www.satoworldwide.com) purchases Checkpoint Systems, Inc.'s former BCS businesses and its hand-held labeling systems in the U.S.

Allen Coding Systems, a U.K.-based manufacturer of premium contact coding systems, joins the ITW family of cos., reporting to **Norwood Marking Systems** (www.itw-norwood.com).

Pro Mach, Inc. (www.promacinc.com) acquires the product line and certain assets of Mahaffy & Harder Engineering Co.

The **Packaging Machinery Manufacturers Institute** (www.pmmi.org) and BDMetrics (www.bdmetrics.com) sign a five-year deal with Packexpo.com, Inc., a wholly-owned subsidiary of PMMI, to create a next-generation analytic platform for the packaging market. The relationship utilizes one common database to create personalization around unique roles, providing a 365-day tool for attendees' and exhibitors' business challenges.

HAPPENINGS

SCA Americas (www.sca.com) relocates its North American hq to an 81,200-sq-ft facility inside Philadelphia's Cira Centre office tower.

Wulftec Intl., Inc. (www.wulftec.com) expands its Ayer's Cliff, Quebec, plant

INDUSTRY happenings

Visit www.packagingdigest.com/info/events for more event information.

May 16-18 The Packaging Summit 2006. *Donald E. Stephens Convention Center, Rosemont, IL. 262/782-1900. www.pkgsummit.com*

June 6-8 EastPack 2006. *Jacob K. Javits Convention Center, New York. 310/445-4200. www.devicelink.com/expolepack06/*

June 27-30 ExpoPack Mexico 2006. *Centro Banamex, Mexico City. 703/243-8555. www.expopack.com.mx*

June 19-23 NPE 2006: The Intl. Plastics Showcase. *McCormick Place, Chicago. 800/SPI-0015. www.npe.org*

Sept. 12-14 HBA 2006 Health & Beauty America. *Jacob K. Javits Convention Center, New York. 212/600-3000. www.hbaexpo.com*

Oct. 29-Nov. 2 Pack Expo Intl. *McCormick Place, Chicago. 888/275-7664. www.packexpo.com*

Packagers in this issue

4C Foods Corp.	54
Baxter Healthcare	40
DampRid, Inc.	22
Domecq Bodegas	50
Gleukos, Inc.	22
Guida's Milk & Ice Cream	46

Hongta Group	50
Kraft	40
Labatt Brewing Co.	22
Lake Consumer Products	17
Loblaw Companies Ltd.	22
Marks & Spencer	22
McCormick de México	22
McDonald's Corp.	22

	Page number		
A Schulman Inc	p.15	National Adhesives	C-4
800/547-3746		800/797-4992	
AC Tech	p.44	Norden Inc	p.42
800/217-9100		908/707-8008	
Advanced Poly-Packaging Inc	p.4	Ohlson Packaging	p.14
800/754-4403		508/977-0004	
Air Blast Inc	p.65	PACK EXPO International 2006	p.37
626/576-0144		www.packexpo.com	
Alcoa Flexible Packaging	p.25	Packaging Summit 2006, The	p.43
804/281-2395		www.pkgsummit.com	
All Packaging Machinery Corp	p.62	Paxton Products/	p.47
800/637-8808		ITW Air Management	
All-Fill Inc	C-2	800/959-8884	
610/524-7350		Pira Intl	p.56
Auto Labe Booth Mfg Co	p.65	44 (0) 1372802164	
800/634-5376		Printpack Inc	p.29
Automated Packaging Systems	p.13,69	404/691-5830	
800/331-4414		QuickLabel Systems, An Astro-Med	p.5
Banner Engineering Corp	p.16a-b	Product Group	
612/544-3164		877/757-7978	
Bodolay Packaging Machinery	p.64	RD Industries Inc	p.63
813/754-9960		800/759-7090, ext. 3	
Brenton Engineering Co	p.4	Robinette Co, The	p.53
320/852-7705		770/346-8446	
Caplugs Div	p.60	Rockwell Automation	p.39
888/CAPLUGS		800/230-4787	
CHEP USA	p.59	Seal-It Inc	p.27
407/370-2437		800/325-3965	
CIT Group Inc, The	p.55	Siemens Energy & Automation	p.1
800/236-7514		800/964-4114	
Color Craft Label Co	p.42	Silgan Containers Corp	p.35
800/876-2656		818/348-3700	
Corotec Corp	p.12	Smurfit-Stone Container Corp	p.7
800/423-0348		866/360-PACK	
CVC Technologies	C-3	So California Packaging Equipment	p.17
877/282-7333		909/598-3198	
Diagraph Corp	p.10	Society of the Plastics Industry, The	p.38
800/722-1125		202/974-5257	
Doboy Inc	p.31	Solus Industrial Innovations	p.48
715/246-6511		866/765-8744	
Emplex Systems	p.47	Stora Enso Specialty Papers Group	p.16
800/265-1775		www.storaenso.com/specialtypapers	
Enercon Industries Corp	p.12	Sun Capital Partners Inc	p.24
262/255-6070		866/281-5661	
Eriez Magnetics	p.52	Take-A-Label Inc	p.40
888/300-3743		800/696-0013	
Fortress Technology Inc	p.26	Taylor Products	p.61
888/220-8737		888/882-9567	
Gilbreth	p.3	Teledyne TapTone	p.36
800/630-2413		508/563-1000	
Graphic Controls LLC	p.56	TGW Intl	p.64
716/853-7500		800/407-0173	
HSAUSA LLC	p.51	Tri-Tronics Co	p.33
800/298-8936		800/375-8861	
ID Technology	p.45	Unit Pack Co Inc	p.46
817/626-7779		877/930-3200	
IWK Packaging Machinery	p.41	Videojet Technologies	p.19
973/227-5575		800/654-4663	
Jarden Plastic Solutions/	p.30	Visipak	p.32
Yorker Packaging		800/263-4552	
888/291-5757		WA Hammond Drierite Co	p.63
Kliklok-Woodman	p.28	937/376-2927	
770/981-5200		Weber Marking Systems Inc	p.21
Leibinger Numbering Machines	p.18	847/364-8500	
203/853-0022			
Markem Corp	p.8		
866/263-4644			
MeadWestvaco Coated Board	p.11		
334/448-6323			
MeadWestvaco Security Packaging	p.57		
804/327-6331			
Mettler-Toledo Hi-Speed Inc	p.49		
800/836-0836			
Monitoring Technology Inc	p.24		
703/698-5520			
NAFM Engineering Service	p.9		
949/388-6371			

also in this issue

Info Showcase	66
Marketplace	
Acquisitions	68
Auction	69
Career Opportunities	70
Contract Packaging	70
Machinery/Materials	68
Modular Framing Components	70
Printing	70
Services	70

Packagers in this issue

4C Foods Corp.	54
Baxter Healthcare	40
DampRid, Inc.	22
Domecq Bodegas	50
Gleukos, Inc.	22
Guida's Milk & Ice Cream	46

Hongta Group	50
Kraft	40
Labatt Brewing Co.	22
Lake Consumer Products	17
Loblaw Companies Ltd.	22
Marks & Spencer	22
McCormick de México	22
McDonald's Corp.	22

North American Beverage Co., Inc.	60
Norwell Lighting Fixtures	17
OrangeGlo Intl.	10
Paris Gourmet	22
Pasta Barilla	22
Sanofi-Aventis	34
Sun Valley Foods	22
Sunsweet Growers	6

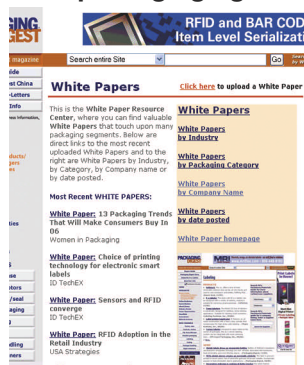
Tesco	22
Timberland	6
U.S. Smokeless Tobacco Co.	6
Wasatch Ice Water Co.	40
Wellington, Inc.	10
Wellmark Intl.	8
Whitrose	22
Wrigley Co.	6

...on
packagingdigest.com

web focus

White Papers at www.packagingdigest.com!

Visit Packaging Digest's Resource Center at

www.packagingdigest.com/whitepapers, bookmark the

address and keep coming back! The Resource Center offers White Papers that cover many areas of packaging, including radio-frequency identification (RFID), automation, smart labeling, package handling and sensors, to name a few. Also visit Packaging Digest's Information Channels, where newly uploaded White Papers are featured at the top of each Information Channel page.

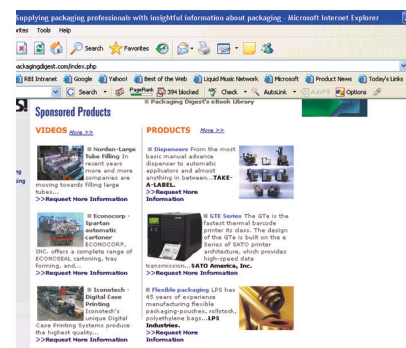
White Papers can be uploaded to the site for FREE at **www.packagingdigest.com/upload**.

Online Exclusive: Shapely silver winners at FPA

Consumer convenience teams with technical know-how and some shapely new options in flexible packaging structures, along with high-tech visuals and maximum sales appeal in this year's Flexible Packaging Assn. competition. The Silver Award winners are featured on our web site at **www.packagingdigest.com/info/silver**

Find high-profile exposure on Packaging Digest's homepage and Sponsored Products section

Submit a product release or a video for a small fee and watch your product receive high-profile exposure on Packaging Digest's home page. **NEW!!** The section now includes "Receive More Information," where users submit their information in exchange for more details about the company or product. **www.packagingdigest.com**

**Find Today's Packaging News at www.packagingdigest.com**

Need daily packaging news? Visit **www.packagingdigest.com** and proceed to Today's Packaging News at the top of the homepage. The daily news section, powered by Lexis-Nexis, scours newswires for packaging innovations, new packaging designs, personnel changes and breaking announcements. Also click on "Recent News Items" to find archived news stories. Visit **www.packagingdigest.com**

Focus on a specific category of interest; visit Packaging Digest's Info Channels

PD's Info Channels are "mini-sites" covering the packaging industry's key product categories, such as Flexible Packaging; Coding; Labeling; Carton, Casing; Controls, Motors; Package Handling and Rigid Containers. The channels' content includes **new products**, **White Papers**, **application stories** and **industry events**. **www.packagingdigest.com/info/coding**

sales staff

Sales and Marketing Offices

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

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

SOUTHEAST/MIDWEST
John Kimler

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

EAST/MID-ATLANTIC
Lisa Evans

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

EAST/CENTRAL/ONTARIO/QUEBEC
Pat Keefe

630/288-8774 Fax 630/288-8750
patrick.keefe@reedbusiness.com

MIDWEST/WEST/SOUTHWEST
Glen Gudino

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

Classified/Info Showcase
Barbara Levin

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

INTERNATIONAL REPRESENTATIVES:

Austria/**Peter Wokurka** peter@wokurka.at
Australia/**Philip Brandon** pbrandon@partnerstoo.com

China and Hong Kong/**Frank Liu**
frankliu@idg-rbi.com.cn

France/**Gail Balling** ballingail@aol.com

Germany/**Bettina Nubel** eisenacher@t-online.de

Israel/**Asa Talbar** talbar@talbar.co.il

Italy/**Ricardo Laureri** media@laureriassociates.it

Japan/**Masanobu Daikoji**

m.daikoji@reedbusiness.jp

Korea/**Young-Seoh Chinn**, Ph.D./JES Media, Inc.

jesmedia@unitel.co.kr

Singapore and Southeast Asia/**June Tan**

june.tan@rbi-asia.com

Spain and Portugal/**Gail Balling** ballingail@aol.com

Switzerland/**Gino Baretella**

baretella@exportwerbung.ch

Taiwan/**Robert Yu**

sales@wwwtaiwan.com

U.K./No. Europe **Stephen Waddell** swadds@aol.com

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

Hilde Diestl, Publisher's Assistant
630/288-8740
hdiestl@reedbusiness.com

newsbytes



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

Nestlé to trial smart labels for opened products

Global food company Nestlé is about to begin full-scale trials of Timestrip smart labels within its U.K. foodservices division. Timestrip labels monitor how long packaged food has been open and are claimed to give a highly accurate indication of when the food should be used.

Kraft's new lineup includes disposable mac 'n' cheese

This year, the Northfield-based food giant will launch new convenience-minded products such as Country Time lemonade and Kool-Aid single-serve stick packs, Macaroni and Cheese in disposable cups and Kraft "to go" packets of single-serve Triscuits and cheese.

Consumers need more nutritional help from food companies, study says

Most Americans are unaware of the nation's new dietary guidelines, but a majority of consumers say they would like to see companies offering more health tips on their product labels, according to a new study.

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) (C.P.C. Intl Pub Mail #053-1537) is published monthly by **Reed Business Information**, 8878 South Barrons Blvd., Highlands Ranch, CO 80129-2345. **Reed Business Information** is a division of Reed Elsevier Inc., is located at 360 Park Avenue South, New York, NY 10010. Tad Smith, CEO, Jeff Greisch, President, Chicago Division, John Poulin, Senior Vice President, Finance. PACKAGING DIGEST copyright 2006 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: Deutsche Post, 4960-2 Walker Road, Windsor, ON N9A 6J3. E-mail: subsmail@reedbusiness.com. Rates for non-qualified subscriptions, **including all issues:** USA, \$132.00 1-year, Canada, \$177.00 1-year, (includes 7% GST, GST#123397457); Mexico, \$163.00 1-year, foreign air \$250.00 1-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. 43 No. 4



Nighthawk Stealth Fighter

IT'S A HI-TECH WORLD!



**TOMORROW'S LABELING SYSTEMS
ARE AVAILABLE-TODAY!**

The "Hawk™" Labeler "Hi-Tech Quality You Can Trust!"

**With SelfSet™— the World's
fastest set-up system!**

Awarded 5 U.S. Patents

Detects:

- Incorrect bottle size
- Missing or incorrect bar code
- Incorrect or illegible code stamp
- Incorrect label size
- Missing labels

**"At CVC the customer is king! All we
ask is a chance to show you our stuff."**

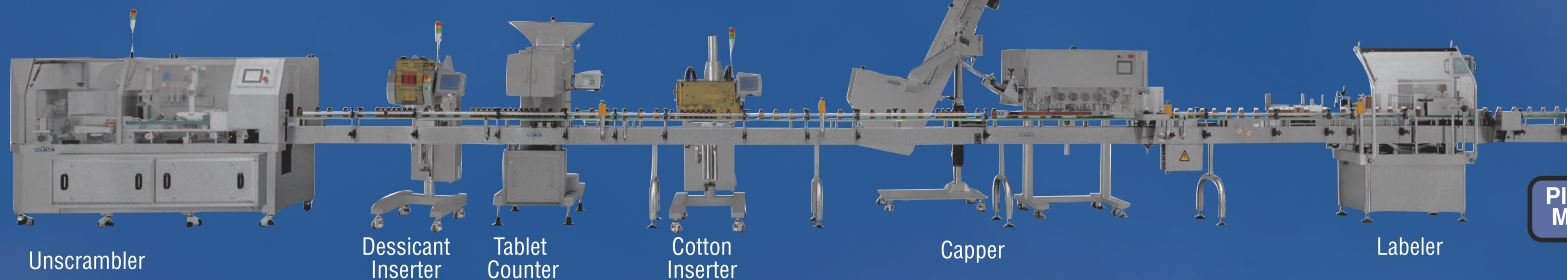


**"The Intelligent
Labeling System"**

- Touch screen controls are programmed in English, Spanish and Chinese.
- Servo Motor for increased speed, power and accuracy.



Model
CVC-302



**Plus Other
Machines**

Packaging Lines and Service designed to meet your Exact Needs



Headquarters

Fontana, CA 92337
Phone: (909) 355-0311 • Fax: (909) 355-0411
TOLL FREE (877) 282-7333

E-mail: sales@cvcusa.com

East Coast Office

Sayreville, NJ 08872
Phone: (732) 316-5200 • Fax: (732) 316-9191
TOLL FREE (877) 647-0100

See Us at These Trade Shows: West Pack 2006 (Anaheim), InterPhex 2006 Booth #A2229 (New York)
Natural Products (Anaheim), Achema 2006 (Frankfurt, Germany), PackExpo 2006 (Chicago)

www.cvcusa.com

WOW!
It fuels itself.
You don't have to pay for
replacement parts.
And it won't empty your wallet.

Introducing the **EASY-PAC™** Package Sealing Solution!

EASY-PAC is the all-in-one package sealing solution that will improve your packaging productivity, while reducing downtime, maintenance and overall cost in use.

Here's what you get in the EASY-PAC package:

- Char-free hot melt adhesive
- FREE* hot melt unit with a 3-year warranty
- Integrated auto-fill system
- Convenient hot melt storage bin
- Replacement parts guarantee

Best of all...there's no capital expense for you to get this complete package!

And it comes with the EASY-PAC Promise:

- Maximum packaging line uptime
- Lower in-use cost
- Hassle-free sealing
- Premium operator safety

Call us today to experience the EASY-PAC benefits on your line: 1-866-266-5565.



National Adhesives
A National Starch & Chemical Business