

July 2022

Packaging

TECHNOLOGY TODAY

Trends, Solutions and Package Innovations of Today

rdgmedia
PUBLICATION

FOR THE _____ WAY YOU DO BUSINESS,
WE DELIVER SECURE SEALS, EVERY TIME.™



ShurSEAL®
PACKAGING SOLUTIONS



Interested in scheduling a demo? Learn more at ShurSEALSecure.com/direct



SHURTAPE.COM
1.888.442.TAPE



© Shurtape Technologies, LLC 2022/ASW 00288

Shurtape®

TRUE TO YOUR WORK™



AUTOMATION CONTROL

INDUSTRIAL SHOCK ABSORBERS QUICKLY DECELERATE MOVING LOADS

- Low-temperature (LT) varieties developed for refrigerated or below freezing production plants and warehouses
- Stainless steel options for wash down and sterile environments such as processing facilities
- Controlled acceleration of flying knife for case packing and shrink wrap machines
- Increase production and system performance



A STABILUS COMPANY

The Future of ink-jet printing is here...NOW

*30 days start up and shut down
without touching the printhead
Optional capacitive back-up
system in case of power failure*



Inside the EBS-6600 Series

The EBS-6600 Series is an entirely new and improved small character ink-jet system designed for exacting in-line product and package coding.

It starts with an all-new cabinet configuration that includes a ventilation process incorporating moisture traps, filters and a chemical-resistant keypad that will protect the unit in even the harshest environment.

The EBS-6600 Series also integrates a touch-screen display for easy message creation and operational control. The result is an innovative ink-jet system that prints startlingly crisp, multilingual alphanumeric text and bar codes that provide error-free product identification.



Easy, no-spill ink-solvent exchange



Splash-proof cabinet



Touch-screen control



EBS Ink-Jet Systems USA, Inc.
1840 Industrial Drive, Suite 200 • Libertyville, IL 60048
Phone: 1-847-996-0739
www.ebs-inkjet-usa.com • sales@ebs-inkjet.com



EDITOR'S NOTE

Trash Talk

A thread called 'trash talk' is trending on my social media feed. People became outraged when a waste collector dumped a recycling bin into a garbage truck, and it quickly escalated into protests at the local recycling center and requests to boycott brands and businesses that don't offer recyclable packaging.

My community isn't an anomaly. According to a report by the Recycling Partnership, the recycling rate in the U.S. actually hovers around 35% because residential waste collection services cannot recycle many types of packaging. However, the report found 84% of consumers expect packaging to be made from recyclable materials, and 71% of consumers will go out of their way to support companies with sustainable business practices.

In this issue, thought leaders explain how the packaging industry is collaborating to move the needle on sustainability and build a circular economy by: educating consumers about recyclability, eliminating manufacturing waste, increasing the percentage of recycled post-consumer waste in packaging materials, developing recyclable packaging materials and reducing carbon dioxide emissions.

Stay tuned for our August issue, and keep sending me your fantastic features! Request our [media kit](#) to see our editorial calendar, and the sponsorship opportunities our publisher Randy Green coordinates through social media, monthly e-newsletters, e-books and special reports.

Thanks for reading,

Vicki McDonald-Kastory
Editor, *Packaging Technology Today*
vickik@rdgmedia.net

Showcase your expertise and products!

Contact us to learn about sponsorships for:

- Special topic eNewsletters
- Social Media Posts
- PACK EXPO eBlasts
- The Automation & IOT How-To-Guide
- Case Studies or White Papers
- eBooks
- Videos

ONLINE TOC

Check out what **Packaging** has on our site.

TECHNOLOGY TODAY

Visit www.packagingtechtoday.com where you can...

Download our eBooks at:

<http://www.packagingtechtoday.com/ebooks/>

See our library of videos:

<http://www.packagingtechtoday.com/category/videos/>

Did you miss our June issue? Read the digital edition online:

<https://cloud.3dissue.net/33877/33789/34114/74084/index.html>

Packaging Automation Center - Employing Cobots for Picking, Packing & Palletizing: <https://www.packagingtechtoday.com/infocenter/packaging-automation-center-employing-cobots-for-picking-packing-and-palletizing/>





ASPIRE. EVOLVE. SUCCEED.

THE LABEL ALL-STARS, THE PACKAGE PRINTING MVPs AND THE PROMISING ROOKIES ALL COME TOGETHER UNDER ONE ROOF THIS SEPTEMBER.

At Labelexpo Americas 2022, you and your team will find an incredible array of the latest technologies and solutions alongside hundreds of live demonstrations that will improve your plays and achieve your business goals.

This is your opportunity to turn your converting playbook from good to great.

Experience it all at Labelexpo Americas 2022.

3 DAYS | 5 HALLS | LIVE DEMONSTRATIONS | NEW TECHNOLOGIES
TWO-DAY CONFERENCE | 2 LABEL ACADEMY MASTER CLASSES

REGISTER TODAY AT WWW.LABELEXPO-AMERICAS.COM

LABELEXPO AMERICAS 2022

13-15 SEPTEMBER

**DONALD E STEPHENS
CONVENTION CENTER**

CHICAGO



**LABELEXPO
AMERICAS 2022**

An RDG Media, Inc. Publication
P.O. Box 80915 • Rochester, MI 48308
www.PackagingTechToday.com

PRESIDENT/PUBLISHER

Randy Green . randy@rdgmedia.net
586-227-9344

EDITOR

Vick McDonald-Kastory . vickik@rdgmedia.net

ACCOUNTING MANAGER

Kristen Green . kristin@rdgmedia.net
586-242-8397

PACKAGING/IMS AUCTIONS

Angi Hiesterman . angi@rdgmedia.net
515-351-7973

OPERATIONS/CUSTOMER SERVICE

Jody Kirchoff

ART DIRECTOR

Jake Needham

Web Design

Josh Scanlan

PACKAGING TECHNOLOGY TODAY will not be responsible for any errors in placement or content after first run of ad. Publishers shall not be liable for any costs or damages if for any reason it fails to publish advertisement. Packaging Technology Today recommends that you take appropriate caution before buying items sight unseen. Packaging Technology Today is not responsible for misrepresentation of advertisers. We suggest you contact your own attorney, the Better Business Bureau, or appropriate government agencies if you experience a problem.

Randy Green, President & Group Publisher

Advertising rates, deadlines, and mechanical requirements furnished upon request. Copyright 2019 Packaging Technology Today All Rights Reserved. Reproduction in part or in whole without written consent is strictly prohibited.

rdgmedia
PUBLICATION



COVER STORY

8 Cover Story | Ideas for More Sustainable Packaging The Rise of the Refill

Spouted pouches are a game changer in a circular economy.

FEATURES

10 A Packaging Perspective | Sustainable Materials Collaboration Unlocks the Secrets to Sustainability

A collaborative approach to packaging design and material selections achieves sustainability without compromise.

14 Market Topic | Petfood Packaging Equipment Suppliers Solve Petfood Industry Challenges

Petfood manufacturers count on flexibility, sustainability and easy-to-operate machines.

18 Questions & Answers | End of Line Packaging Palletizing Solutions Optimize End of Line Petfood Operations

Robotic automation seamlessly integrates existing end of line equipment.

2022 Buyers' Guide

DEPARTMENTS

- | | |
|-----------------|----------------------|
| 4 Editor's Note | 30 Supplier Products |
| 4 Online TOC | 31 Ad Index |



BETTER DRYING, BLOW OFF AND AIR RINSING



ENERGY EFFICIENT DRYING

Paxton's high efficiency blowers and air delivery devices improve drying of cans and bottles for high quality labeling and coding, while using 60-80% less energy, typically giving a one year ROI.



BOTTLE & CAN RINSING

NO WATER / COMPRESSED AIR NEEDED

Paxton's New Ionized Air System replaces both water rinsing and compressed air rinsing, using less energy and no wasted resources.



DUST & DEBRIS BLOW OFF

Paxton's powerful air delivery removes particulates, dust and debris efficiently and effectively. And if static cling is an issue, Paxton's Ionized Air Systems dissipate the static then blast the debris away.

All Paxton Air Systems are custom-engineered to maximize performance and minimize energy usage.

All Paxton Blowers carry a full three year warranty.

PAXTON
PRODUCTS

800.441.7475
PAXTONPRODUCTS.COM



New features and spouts provide opportunities for brand differentiation, and spouted pouches offer a contemporary look that works well with design-forward graphic treatments for on-shelf and online brand building. Image courtesy of Glenroy, Inc.

THE RISE OF THE REFILL

SPOUTED POUCHES ARE A GAME CHANGER IN A CIRCULAR ECONOMY

By Ken Brunnbauer, Marketing Manager at Glenroy, Inc.

As brands in the personal care and household products industries plan new product launches or try to invigorate an established product line, choosing refillable spouted pouches can be a game changer. Until recently, refillable pouches were simply an afterthought. But with the rise of eco-conscious consumers, refill spouted pouches are now considered an essential part of moving toward a circular economy.

Choosing premade spouted pouches can be a natural choice for many brands because typically, cost of entry is affordable, product scrap waste is lower, and more pouch features are available. Also, premade spouted pouches are manufactured by experts in flexible packaging — many of whom are continually investing in new materials and pouching technology — and they can guide brands through the process from concept to commercialization.

Benefits drawing brands to refillable spouted pouches include:

- **Completing the circle** – Not only do refillable pouches reduce plastic use (up to 80% less plastic used vs comparable rigid plastic bottles), but they can be made with post-consumer recycled (PCR) content. This reduces the plastic use even further and establishes the circularity in the circular economy, providing another stream for recycled plastic.

- **Better carbon footprint** – Beyond using less plastic, the lighter weight of a refill spouted pouch drives reduced fossil fuel usage and greenhouse gas emissions. One truckload of unfilled pouches can be the same as up to 26 trucks of unfilled rigid bottles according to the Flexible Packaging Association.
- **eCommerce friendly** – In addition to the circular economy benefits above, refill spouted pouches are tested and constructed in a way that they can stand up to the rigors of the transportation requirements of eCommerce, thus reducing product waste and returns.
- **Millennials are “flexible packaging natives”** who grew up seeing juice in pouches, and they are more accepting of pouches than any preceding generation.

The momentum is building

Brands such as Harry's, Puracy, Kiehl's, Ouai, and Oribe are leading the charge for the refillable spouted pouch movement. Each has their own offering for refill spouted pouches which is helping them engage with their customers through a new packaging format, driving their focus on delivering sustainable, eco-friendly packaging, and is a channel to help energize sales through e-commerce.

Each brand has worked with their packaging supplier to custom-engineer their lamination specifically for their unique product formulation and required barrier properties.

Some of the behind-the-scenes options to ensure quality and consistency include:

- **Pouch engineering, sizing, and prototyping** – determining pouch dimensions and configurations based on the product type and volume; and developing digital and physical prototypes.
- **Product and package compatibility testing** – testing how the key ingredients in the product interact with various flexible packaging materials. This determines the flexible packaging materials that are resistant to chemical degradation or physical change during interaction with the product inside.
- **Compression testing** – subjecting pouches to various air pressure forces for varying lengths of time.
- **Interlayer adhesion testing** – verifying that the layers of the packaging film structure meet the required bond level for each application.
- **Seal testing** – testing for fusion seals that bond the plastics in the flexible packaging material together on a molecular level, the same way that the plastics in a rigid container are formed.
- **Puncture resistance testing** – using ASTM testing standards to analyze how much pressure is required to puncture the flexible packaging material.
- **Pour testing** – testing for a clean and controlled pour.
- **Tensile testing** – sealing the flexible packaging film to itself and testing the amount of force required for the seal to break.
- **Vacuum testing** – submitting pouches to the equivalent of 1 atmosphere of external vacuum pressure to ensure that they are hermetically sealed.
- **Burst testing** – exposing pouches to internal pressure until they burst to verify the strength of the seals.
- **Drop testing** – testing the height from which the pouch can be dropped without failing.

Each of these quality control elements allows brands to customize their refill pouch to meet various requirements such as overall quality goals, consumer needs, filling machine and/or copacker requirements, distribution methods, desired shelf life, and regulatory requirements

Looking to the future

As more brands turn to refill spouted pouches and as the recycling infrastructure becomes modernized to accept more and more flexible packaging, the rise of refill pouches will only increase. In addition, recyclable formats of refill spouted pouches are continually being expanded to include store drop-off recyclability (or other recyclable options).

This expansion will only increase the urgency to upgrade our recycling infra-



As eco-conscious consumers seek recyclable and sustainable materials, spouted pouches are a game changer in a circular economy.

Image courtesy of Glenroy, Inc.

structure. Further investment in recycling facilities is needed by all participants in the flexible packaging industry and municipalities is necessary to make the necessary upgrades a reality. But as flexible packaging providers continue to work with brands to expand the availability of eco-friendly refill spouted pouches, the momentum will become the driving force. The rise of the refill is just the beginning. ■

About the Author

Ken Brunnbauer is the Marketing Manager Glenroy, Inc. He has over 20 years of manufacturing experience and is an advocate for sustainable flexible packaging. Visit www.glenroy.com and the sustainability resources page from the Flexible Packaging Association to learn more about the environmental benefits of flexible packaging formats, compared to rigid plastic options.



Brands work with their packaging supplier to custom-engineer their lamination specifically for their unique product formulation and required barrier properties.

Image courtesy of Glenroy, Inc.

TESTING INKS & PENS

Surface Tension Testing

For Adhesion AND Cleanliness Testing

Quick • Easy • Clean



LOTAR ENTERPRISES

(T) 920-465-6678

sales@lotarllc.com

www.lotarllc.com



Sustainable packaging solutions place a brand's unique needs and environmental objectives at the heart of every project.

COLLABORATION UNLOCKS SECRETS TO SUSTAINABILITY

A COLLABORATIVE APPROACH TO PACKAGING DESIGN AND MATERIAL SELECTIONS ACHIEVES SUSTAINABILITY WITHOUT COMPROMISE

By William Kuecker, Vice President of Marketing and Chris Simmers, Vice President of Technical Services at Mondi North America Consumer Flexibles

A key to consumer goods marketing success for the future is sustainability, and the future is now.

A case in point: according to a recent survey of buyers of pet food conducted jointly by Mondi and Dow Chemical, 75% of consumers felt more favorably towards a brand that had sustainable packaging, and 65% said they have greater trust in brands that use sustainable packaging.

While the survey focused on a single consumer market sector, it indicates a broad acceptance of sustainable products, especially among younger demographics whose consumer goods spend will grow as they become a more significant portion of the purchasing community.

And so, a question for brands to consider is: how do we best appeal to younger, sustainability-minded consumers both now and basically

forever?

One answer lies in fully comprehending sustainable flexible packaging options and, with them, ways to achieve their adoption while maintaining or even improving package processing efficiencies. Recent advancements in materials engineering are making this possible. One new option is using mono films in place of polyester materials laminated to polyethylene materials; another is to custom-formulate multiple types of polyethylene resins into flexible film solutions.

It's worth noting that even though polyethylene is a fully recyclable material, in the flexible form it is not traditionally picked up in curbside programs. Therefore, it's essential to know if your packaging supplier has materials that are pre-approved by appropriate store drop-off programs.



Mondi enables brands to achieve sustainability goals through a customer-centric process called EcoSolutions. It comes down to asking the right questions across the value chain to consider the needs of your business, your product, your customers and our planet.

From past to present

Historically, the packaging industry has employed laminated polyester and polyethylene film structures to meet flexible packaging needs for stiffness, color, print quality and other shelf-appeal characteristics. Unfortunately, these structures are not recyclable through traditional recycling channels.

Needs for sustainable flexible packaging inspired the industry to develop flexible packaging that delivers shelf-appeal branding within a sustainable packaging product.

Collaborative design and materials selection

Surprisingly, brands do not always have a clear set of packaging sustainability goals that are communicated throughout the organization. Their company websites typically cover the business's dedication to sustainability and its past achievements, but clearly stated, quantifiable future packaging-related goals tend to be in the future horizon realm.

Let's look at how brands can best collaborate with their packaging supplier to identify, balance and meet sustainability goals pertaining to issues like life cycle assessment, greenhouse gas reduction, recyclability,



Mondi's FlexiBag in Box is a sustainable solution designed in collaboration with customers. The ship-in-own-container (SIOC) corrugated box is paired with a recyclable flexible pouch, equipping manufacturers and retailers with a branding-through-use tool that appeals to environmentally conscious consumers shopping in stores or online. Image courtesy of Mondri.

compostability, plastic reduction and recycled content.

To arrive at a solution that is sustainable

by design, we need to question everything. This means looking at all the solutions, production processes, materials, and specifications needed to protect the product. The approach puts a brand's unique needs and environmental objectives at the heart of every project. It begins with a discussion of what a brand needs to meet its sustainability goals and what it is not willing to compromise to achieve them.

Development and trial phase

A key part of the process is technical support provided during the development and trial phases of transitioning to sustainable materials. Technical specialists provide on-site trial support at machine suppliers and customer locations to help ensure that end users meet their sustainability goals.

Collaborative design and materials selection constitute a major shift in the packaging technology sector, one that is steadily replacing off-the-shelf, transactional solutions. It consists of a brand's designers and sustainability teams, along with its marketing and purchasing managers, collaborating with materials experts who have the knowledge and resources to identify sustainability and

processing opportunities and the equipment to capitalize on them.

Discussions between a materials expert and a brand's management often start with a minor homework assignment for the brand, beginning with unalterable essentials. These might include minimum specs for rigidity, needs for handling components, such as easy-open or pour and top sliders in the product appeal category. In processing, the brand might have requisites to meet form/fill/seal speeds or requirements associated with filling machines.

Color, print quality and consistency are universal priorities, but a brand might have a preference for rotogravure, HD or Ultra HD flexographic printing or want matte or gloss coatings for their packages. These factors all come into play when reaching for sustainability without compromise.

Benchmarks for sustainability gains

At the same time, the brand will need to establish benchmarks for sustainability gains. For example: does it aim to increase its percentage of recyclable packaging by 50% by 2025; or increase PCR (post-consumer recycled) content in a particular product line by 25%?

While this up-front homework comes with an investment in time, it has proven to yield a greater likelihood of sustainability success and long-term market impact.

To illustrate the power of the collaborative approach, consider the case of zooplus AG, the leading European pet food online retailer that recently addressed growing demand for sustainable packaging. The retailer sought a solution for greater package recycling with no compromise on any performance attribute, including aesthetics

By collaborating with Mondi, zooplus AG designed a recyclable pet food package that meets their requirements, maintains the look and feel of the high-end brand's premium packaging and eliminates metallic substances used in the original packaging graphics.

Image courtesy of Mondi.

and barrier protection against moisture and odors.

Testing package designs and materials

Testing throughout the collaborative method of package design is essential for formulating a package that meets both sustainability and processing goals. A packaging supplier's quality management systems should incorporate vacuum bursts and creep tests to ensure air tightness in a brand's small to large packaging and with whatever closure systems might be in place.

Other critical tests include tensile strength, dimensional measurements, coefficient of friction, drop strength, film thickness and monitoring for residual solvents.

Stiffness or rigidity testing along with resistance to stretch are especially important. A certain amount of stiffness is needed for shelf presence and appearance. It is rigidity that allows a package to stand upright on the store shelf. In addition, the tests help ensure stability in printing, laminating and other converting processes.

A parallel type of test evaluates a brand's equipment upfront, such as its form/fill/seal machinery. Detecting and adjusting faulty equipment conditions can eliminate problems that could wreak havoc with even the most carefully formulated new packaging film. Packaging consultants might suggest certain refinements or calibrations to help achieve trouble-free processing with a new sustainable film.

Replace, reduce and recycle

A collaborative process guided by the three pillars of replace, reduce, recycle leads to the development of customized products meeting critical consumer sustainability, appearance and performance requirements. When package designs and material selections are based on collaborative partnerships with customers, packaging meets performance requirements and satisfies food manufacturers' and retailers' sustainability goals. ■

About the Authors

William Kuecker is Vice President of Marketing and Chris Simmers is Vice President of Technical Services at Mondi North America Consumer Flexibles. For more information, visit www.northamerica.mondigroup.com.



RECHNER SENSORS

CAPACITIVE LEVEL CONTROL



AtEx, IECEx

Ex



Tri-Clamp, Sticky Liquids



Fine Powders



482 Fahrenheit / 250 Celsius

www.rechner.com - 1-800-544-4106 - Sanborn, NY



AT LEAST YOU DON'T HAVE TO WORRY ABOUT YOUR CARTON SEALS.

Once your box leaves your facility, it's out of your hands... literally. Rough rides, rigorous handling – your boxes are sure to encounter the works. But not to worry. With the ShurSEAL® Solution, your contents stay safe and secure from your facility to your customer's doorstep.

Shurtape®
TRUE TO YOUR WORK™

For the *Demanding* way you do business, we deliver Secure Seals, Every Time.™

Interested in scheduling a demo? Learn more at ShurSEALSecure.com/direct





Multiple food styles, portions and formulations require ultimate flexibility from secondary packaging machinery.
Image courtesy of Cama North America.

EQUIPMENT SUPPLIERS SOLVE PETFOOD INDUSTRY CHALLENGES

PETFOOD MANUFACTURERS COUNT ON FLEXIBILITY, SUSTAINABILITY AND EASY-TO-OPERATE MACHINES

By Billy Goodman, Managing Director, Cama North America and Wim Kruikemeijer, Global Key Account Manager, Cama Group

We've witnessed a massive surge in demand for pet food and, as a result, our packaging technology. Petfood was already a significant market in 2019, and beginning in 2020 the pandemic drove pet ownership up even further. In fact, in 2021, the global pet food market size was valued at \$110.53 billion. And the market is projected to grow from \$115.50 billion in 2022, to \$163.70 billion by 2029, exhibiting a compound annual growth rate of 5.11% during the forecast period.

Increasingly, petfood manufacturers are looking for flexibility, sustainability, and easy to operate machines. Whether they're packaging dry pet food or wet, petfood manufacturers want the ability to run various product types, such as cans, cups, pouches, cartons, and bags.

Flexibility

The growing "humanization of pets" presents both challenges and opportunities for petfood manufacturers. High-quality pet food and packaging is now seen as a status symbol, which we have to design, fill, pack-

age and handle ... very carefully. Not only does the primary packaging have to look good, but we also have to consider multi-flavor secondary packaging, which places extra pressures on packaging machines.

Multiple food styles, portions and formulations require ultimate flexibility from secondary packaging machinery. Petfood companies – both large and small – realize greater efficiencies when the automation of packaging operations absorbs the impact of changing market dynamics, including the natural progression of packaging. The right secondary packaging machinery manufacturer helps petfood companies keep up with trends in package formats such as cans, trays, pouches, cartons and cups. Finding a partner that can help meet the demand for multi-flavor packaging with integrated and highly flexible automation – often involving robotic pick-and-place systems – is also important.

Ease of operation

From a technology and machine perspective, extra capabilities, features and flexibilities addressing market demands are also driving up machine complexity. However, it is important to make more complex

Cama Pet Food



The increasing number of package styles and portion-sized packages is being bolstered by research into sustainability, easy to open packaging and new shapes and designs to give inexpensive materials a premium appearance. Image courtesy of Cama North America.

About the Petfood Competence Network

The Petfood Competence Network is a collaboration of 11 like-minded companies with decades of combined experience, working together to offer petfood manufacturers simple and streamlined access to the very latest industry has to offer. Their expertise includes raw materials, formulation, processing, filling, transporting, sterilizing, loading, packaging and palletizing ... all of which can be tailored, developed, scaled and installed to match your precise needs – through a single point of contact!

What Can the Petfood Competence Network do for You?

In short, the Petfood Competence Network can help petfood manufacturers get to market smarter and faster. Whether you're looking to break into this market, take your existing products or plant to the next level, or exploit new technologies and become more efficient, PCN offers full-spectrum supply and support at every single stage – from raw ingredients in, to pallets out.

Competence. Each company brings its own domain expertise and extensive industry R&D experiences and merges them into a complete, tightly integrated production solution, which can be trialed, scaled and fully connected to match your precise requirements, to deliver quality processes, products and packaging every single time.

Technology. Many of these companies already work together across the globe, not just in pet food, but also in other equally demanding industries. Mutual understanding, trust, technological integration and Industry 4.0 data architectures are already in place, proven in action and ready for you to leverage.

Members:

- Andritz
- Cama Group
- Cleverttech
- JBT
- JRS
- Karl Schnell
- Miavit
- Opem
- Reich
- TPG: The Packaging Group (FAWEMA, HDG and Wolf)
- Waldner

For more details, please visit www.petfoodcompetencenet.com.

solutions easy to use because operators have the same skill sets.

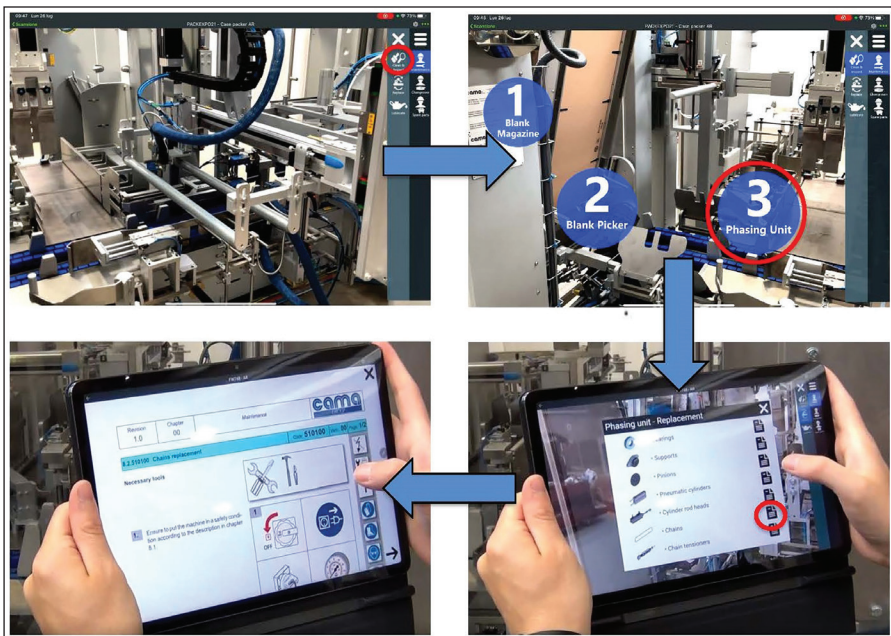
Due to labor shortages and related changes, another request for equipment manufacturers is for easy to operate machines. Petfood packagers appreciate machines that offer accessibility, quick and easy changeovers, and that are simple to learn.

Technology such as Industry 4.0 is shaping the manufacturing landscape and optimizing internal and external processes by integrating technological know-how and new digital skills into classic production paradigms. Tools such as our Augmented Reality (AR) Machine Assistant and Virtual Reality generate value with improved machines and services by supporting operator training, troubleshooting, predictive maintenance, and spare parts management.

Sustainability

Another challenge is to improve sustainability, from a materials standpoint and from a product standpoint. We can't just look at sustainability in terms of materials or reducing plastic waste; we have to consider food waste too. Unfortunately, 25% of all food, including petfood, is wasted, and 75% of that waste is in the household, with the rest occurring during production.

It is responsible to investigate ways of helping consumers reduce waste, and to in-



Cama's Industry 4.0 program helps the customer to stay on top of predictive maintenance and have a better understanding of the machine through augmented reality (AR) instructions. Cama designs smart machines that are easily adaptable to environmental conditions and able to learn and suggest improvements to operators. Image courtesy of Cama North America.

The Cama Packaging Department is a unique service offering more than 30 years of experience in the design and testing of packaging paperboard and cardboard, in order to achieve the highest efficiency when working with automatic machines. Often our engineers can suggest design modifications that will help customers reduce the corrugate used in a tray or case, in many cases saving the company 15% or more on materials. Image courtesy of Cama North America.



One way Cama is helping to address sustainability is the FW Wraparound Case Packer, which helps petfood packagers and other manufacturers save corrugate and reduce costs by packing their products in wrap-around or display ready cases, rather than a standard RSC. Image courtesy of Cama North America.

SUCKERS **BY THE ZILLIONS!**

FOR PRINTING, PACKAGING, & COLLATING



**A large variety of Rudow
Suckers available in rubber,
vinyl, silicone and other
materials**



William B. Rudow Inc.

Phone (941) 957-4200

Fax (941) 955-7666

www.suckers.com info@suckers.com

P.O. Box 2300 • Sarasota, FL 34230



Brenton's latest bag palletizing solution for pet manufacturers replaces gantry solutions with an automated sheet placing robot. Image courtesy of Brenton Engineering.

PALLETIZING SOLUTIONS OPTIMIZE END OF LINE PETFOOD OPERATIONS

ROBOTIC AUTOMATION SEAMLESSLY INTEGRATES EXISTING END OF LINE EQUIPMENT

By Brian Guzek, Regional Sales Manager at Brenton Engineering

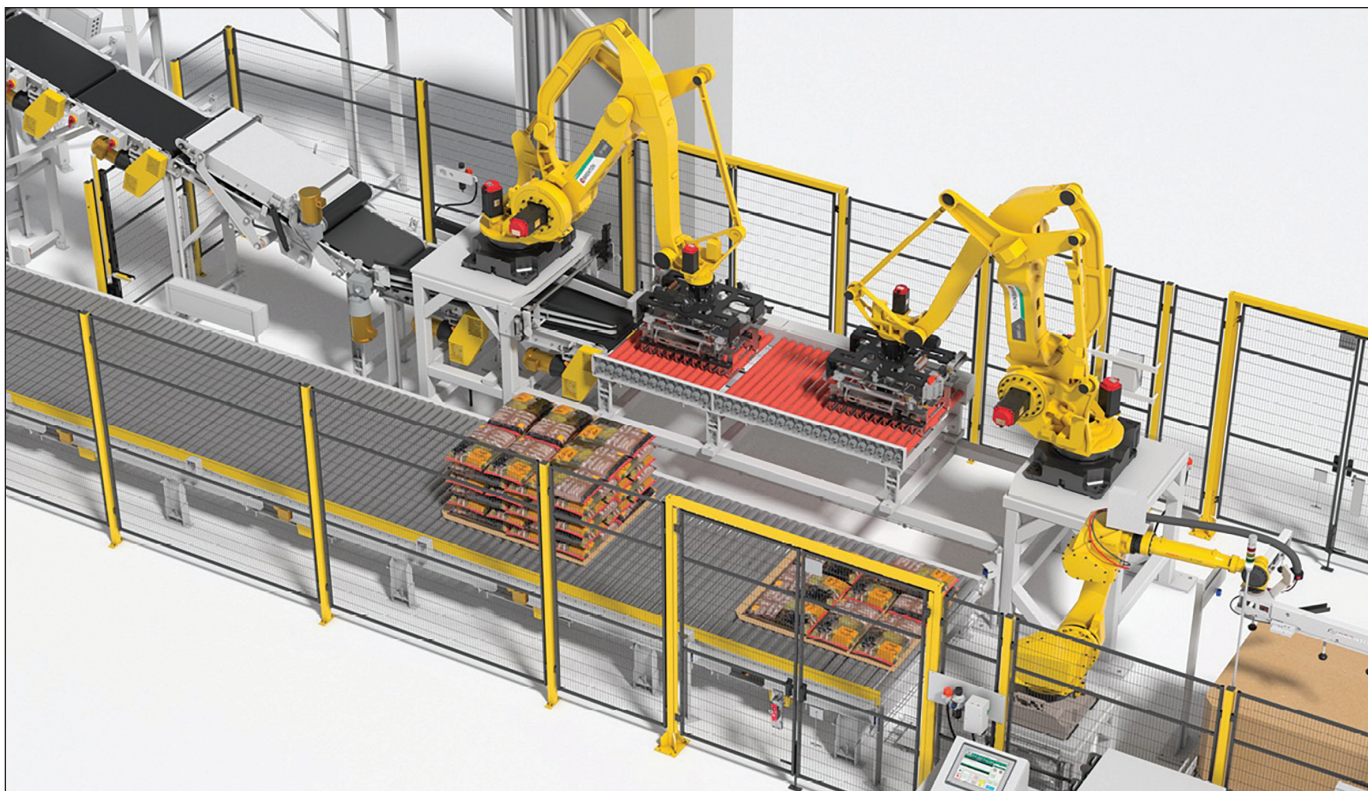
Petfood manufacturers, like other food manufacturers, are looking to gain efficiencies in their end-of-line operations. One way to achieve that is through automation. Adding a robotic solution brings many benefits to petfood manufacturers, including the ability to process multiple SKUs, manage varying product sizes, and create multiple pack configurations – all of which results in more streamlined throughput with reduced labor costs.

Robotic automation can be seamlessly integrated with preferred or existing equipment, case erectors, case sealers, palletizers, stretch wrappers and labelers to provide a turnkey solution. In fact, advances in robotic palletizing seamlessly integrate existing end of line equipment, and provide end-of-line solutions for petfood manufacturers. Here are answers to frequently asked questions:

How does palletizing equipment optimize petfood packaging lines?

One of the main benefits a robotic palletizing solution brings to petfood packaging lines is reduced labor. In manual palletizing operations, it is common for a petfood line to have several employees stacking and building pallets. Hiring people is one thing, getting them to show up consistently is another. A well-designed system can replace three to four employees who were tasked to manually build, pack and stack cases.

For many employees, this type of repetitive, strenuous work is not very motivating, which is why retaining staff can be challenging. Robotic automation reduces the number of employees needed to complete menial tasks, while relocating them to areas where they can be more beneficial to the company.



Robotic solutions improve the safety, flexibility and efficiency of end of line packaging operations.
Image courtesy of Brenton Engineering.

What are the key benefits palletizing equipment provides for petfood manufacturers and distributors?

In addition to replacing employees who were previously hand-stacking pallets and relocating them to other areas where they can be more beneficial to the company, safety is another key benefit to pet food manufacturers and distributors. For employees manually stacking pallets, it is not a question of if they are going to get injured, it is when.

Repeatedly bending over or poor lifting can lead to painful back strain injuries. Palletizing technology protects employees' health, while improving productivity and eliminating costs associated with medical care and workers compensation claims. In addition to a risk of injuries, hand stacking pallets leads to inconsistent builds due to individual strength or fatigue, which impacts productivity. Robotic automation solves these troublesome issues.

Why is flexibility important for petfood applications?

Flexibility in robotic palletizing is more important than ever before, and a main driver of that is e-commerce sales, which are showing no signs of slowing down. To best capture your fair share of the e-commerce market, you are going to ship a greater variety of SKUs and package sizes. Having flexibility in your packaging machinery, including your palletizers, will position you to build and ship pallets to the exact specifications of retailers, distributors, and consumers. Automation also brings newfound flexibility to your operations. As your business grows, production may need to increase. An automated system with robotics can easily keep pace with your growth and will not require additional staffing as would a hand-packing line.

What are key features to consider when selecting palletizing equipment for petfood applications?

The successful packaging OEMs are the ones who listen to their customers, stay abreast of consumer preferences and manufacturing trends, and who can adapt their solutions to an ever-changing land-

scape. You will be most successful when partnering with a company with sound, proven solutions, and a team that supports their machinery long after the sale is completed. That is the kind of partner you want to move forward with.

What questions are important to ask suppliers when integrating equipment into an existing packaging process?

The types of questions to consider when integrating robotics into an existing end-of-line operation include:

- What is your current process, and where are you looking to go?
- What are your sales goals and how can a robotic palletizing system support those goals?
- What are you moving?
- How many SKUs are you handling?
- What style of packaging are you handling?

Knowing the answers to these initial questions is a great start toward selecting an end-of-line system that best achieves your goals. ■

About the Author

Brian Guzek is a regional sales manager at Brenton Engineering. Brenton is a global leader in designing and manufacturing integrated end of line packaging systems and machines, specializing in case packing and palletizing using both robotics and other automation. Learn more about palletizing solutions at www.brentonengineering.com/solutions.



2022 Buyers' Guide



Featured Suppliers



CTM Labeling Systems
1318 Quaker Circle
Salem, OH 44460
330-332-1800 • Fax: (330)332-2144
info@ctmint.com
www.ctmlabelingsystems.com

Inkjet Coding and Marking

Inkjet Coding & Marking
7090 College Street
Beaumont, TX 77707
409-838-5391
www.inkjetcodingandmarking.com

Orientalmotor

Oriental Motor USA
570 Alaska Avenue
Torrance, CA 90503
800-448-6935
sales@orientalmotor.com
www.orientalmotor.com

Alpha Listings

Abbott Company
1413 Pearl Street
Waukesha, WI 53186
262-522-3222 • 888-271-2112
Fax: 262-522-3220
sales@abbottcompany.net
www.abbottcompany.net



ACE Controls Inc.
23435 Industrial Park DR
Farmington Hills, MI 48335
800-521-3320
shocks@acecontrols.com
www.acecontrols.com



Alliedflex
780 Apex Road
Sarasota, FL 34240
941-923-1181
Fax: 941-925-8747
www.alliedflex.com



AZCO Corporation
26 Just Road
Fairfield, NJ 07004
973-439-1428
Fax: 973-439-9411
www.azcocorp.com



BECK America
PO Box 2389
Muscle Shoals, AL 35662
800-239-8665
Fax: 256-381-6659
www.beck-america.com/en



BluePrint Automation (BPA)
16037 Innovation Drive
South Chesterfield, VA 23834
804-520-5400 • Fax: 804-526-8164
sales@blueprintautomation.com
www.blueprintautomation.com

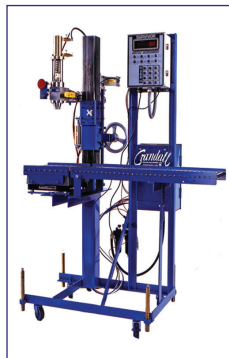
BPM Inc., A Specialty Paper Mill
PO Box 149
Peshtigo, WI 54157
715-582-4551
Fax: 715-582-4853
bpm@bpmpaper.com
www.bpmpaper.com



Brenton
4750 County Road 13 NE
Alexandria, MN 56308
320-852-7705
www.BrentonEngineering.com

Crandall Filling Machinery, Inc.

Family owned and operated since 1906, Crandall Filling Machinery, Inc. has been a leader in the design and manufacture of liquid filling machines and closing machinery for the food, chemical, paint and petroleum industries for a century. Recognized worldwide, our name is synonymous with quality when it comes to producing filling and closing equipment.



CRANDALL FILLING MACHINERY, INC.
80 GRUNER ROAD * BUFFALO, NY 14227
PHONE: 716-897-3486 * 800-280-8551
FAX: 716-897-3488
WWW.CRANDALL.COM
EMAIL : INFO@CRANDALL.COM

Crandall is the registered trade mark of the Crandall Filling Machinery, Inc.

- * CAN FILLERS
- * PAIL FILLERS
- * DRUM FILLERS
- * TOTE FILLERS
- * PAIL CRIMPERS
- * CAN CLOSERS
- * CAPPERS

Electronic Article Surveillance
RFID-Labels
Airline-Tickets
Inmould-Labels

Development and design of machines,
modules and spare parts for the
production of
Labels

Register Punching
Parking-Tickets
Price Labels/Hang Tags

Bottle Labels/Wet Labels/Razor Blade Holders

Perforating Rules

Hollow Spring Knives
Entry-Tickets

Transport Holes

Punch Cards

Selfadhesive Labels

Tea-Tags/Tea-Bags

Vector technology, suitable for Digital, Flexible packaging and Foil printed materials

With the RSM-DIGI-VARICUT, a new generation of Rotary die cutting, using a modular system for materials with a web width upto 850 mm wide and a print length up to 1.220 mm. There are several systems available for the collection and distribution of the finished product including the High Speed Robot "Spider". Contact us.

www.schoberusa.com

if you are interested in Die Cutting, Punching,
Cutting, Perforating, Creasing, Scoring,
Embossing, Sealing, Ultrasonic
Welding, Dispensing, Cut & Place,
Collating, Folding, Gluing/Bonding
or Laser Applications...

Please contact us, we can assist you!

SCHOBER USA

4690 Industry Dr., Fairfield, OH 45014
Ph: 513-489-7393 Ex: 513-489-7485
solutions@schoberusa.com



2022 Buyers' Guide

Alpha Listings



Brisar Industries
150 E 7th Street
Paterson, NJ 07524
973-278-2500
Fax: 973-278-4670
www.brisar.com



Cadence, Inc.
9 Technology Drive
Staunton, VA 24401
540-248-2220
Fax: 540-248-4400
sales@cadenceinc.com
www.cadenceinc.com



Cama North America
901 Corporate Grove Drive
Buffalo Grove, IL 60089
847-607-8797
www.camagroup.com



Cincinnati Convertors
1730 Cleneay Ave
Cincinnati, OH 45212
513-731-6600
Fax: 513-731-6005
kristin@cincinnaticonvertors.com
www.cincinnaticonvertors.com

Colbert Packaging Corporation
28355 North Bradley Road
Lake Forest, IL 60045
847-367-5990
Fax: 847-367-4403
wspeer@colbertpkg.com
www.colbertpkg.com



Combilift USA
303 Concorde St
Greensboro, NC 27406
336-378-8884 • 877 COMBI-56
www.combilift.com



1318 Quaker Circle
Salem, OH 44460
330-332-1800 • Fax: (330)332-2144
info@ctmint.com
www.ctmlabelingsystems.com



Delta ModTech
8445 Bunker Lake Blvd. NW
Ramsey, MN 55303
800-279-3358
www.deltamodtech.com

Enercon Industries
W140N9572 Fountain Blvd.
Menomonee Falls, WI 53051
262-255-6070
mplantier@enerconmail.com
www.enerconind.com



A Duraco Specialty Materials Company
Filmquest Group Inc.
320 Remington Blvd.
Bolingbrook, IL 60440
1-888-pet-film 630-226-9800
Fax: 630-226-9400
www.petfilm.com

Griff Paper & Film
275 Lower Morrisville Road
Fallington, PA 19054
215-428-1075 | 800-872-7549
Fax: 215-428-1189
www.thegriffnetwork.com



H.B. Fuller
120 Willow Lane Blvd
St. Paul, MN 55110
651-236-5900
www.hbfuller.com



Inkjet Coding & Marking
7090 College Street
Beaumont, TX 77707
409-838-5391
www.inkjetcodingandmarking.com



KHK USA, Inc.
259 Elm Place
Mineola, NY 11501
516-248-3850
Fax: 516-248-4385
www.khkgears.us

Lotar Enterprises
1718 Velp Ave Suite E
Green Bay, WI 54303
920-465-6678
Fax: 920-465-7262
www.lotarenterprises.com

MARQ Packaging Systems II LLC
3801 W Washington Ave
Yakima, WA 98903
509-966-4300
info@marq.net
www.marq.net



Matrix Packaging
650 N Dekora Woods Blvd
Saukville, WI 53080
800-628-7491
matrix.info@promachbuilt.com
www.matrixpm.com

Alpha Listings



Matthews Marking Systems
3159 Unionville Road, Suite 500
Cranberry Township, PA 16066
800-775-7775 • 412-665-2500
Fax: 412-665-2550
<https://matthewsmarking.com/>

METTLER TOLEDO

Mettler-Toledo
1571 Northpointe Pkwy
Lutz, FL 33558
813-899-9500
Fax: 813-891-0840
<http://us.mt.com/us/en/home.html>



mk North America, Inc.
105 Highland Park Drive
Bloomfield, CT 06002
860-769-5500
info@mknorthamerica.com
www.mknorthamerica.com

Multi-Conveyor LLC
PO Box 10
Winneconne, WI 54986
920-582-7960 • 800-236-7960
Fax: 920-582-7952
www.multi-conveyor.com

Northcore Industries, Inc.
1105 Lake St.
Baraboo, WI 53913
608-355-2898 • Fax: 608-355-2959
info@northcoreind.com
www.northcoreind.com

OPTIMA

Optima Machinery
1330 Contract Dr
Green Bay, WI 54304
920-983-3133
www.optima-packaging.com



Orion
4750 County Road 13 NE
Alexandria, MN 56308
320-852-7705 • Toll Free: 800-333-6556
Fax: 320-852-7621
Orion@Promachbuilt.com
www.orionpackaging.com



Ossid LLC
4000 College Road
Battleboro, NC 27809
252-446-6177
ossid@ProMachBuilt.com
www.ossid.com



Pflow Industries Inc.
6720 N Teutonia Ave
Milwaukee, WI 53209
414-352-9000
Fax: 414-352-9002
www.pflow.com

Powell Systems, Inc.
604 E 9th St • PO Box 345
Fowler, IN 47944
765-884-0613 Fax: 765-884-0308
jim@powell-systems.com
www.powellsystems.com



Printex Transparent Packaging
Head Office: 3380 South Service Rd,
Ste 109
Burlington, ON L7N 3J5
US: 555 Raymond Dr, Islandia, NY 11749
800-461-8106
info@ptpackaging.com
www.ptpackaging.com



QMI, Inc.
Po Box 931
Pryor, OK 74362
918-825-5777 • Fax: 918-825-7773
sales@qmi-inc.net
www.qmi-inc.net

RECHNER SENSORS

Rechner Electronics Industries, Inc.
6311 Inducon Corporate Dr Ste 5
Sanborn, NY 14132
800-544-4106
Fax: 905-636-0867
www.rechner.com



Rollem Corporation of America
1650 S Lewis Street
Anaheim, CA 92805
714-935-9130
Fax: 714-935-9131
www.rollemusa.com

2022 Buyers' Guide

Alpha Listings



Ryson International, Inc.
300 Newsome Drive
Yorktown, VA 23692
757-898-1530 • Fax: 757-898-1580
sales@ryson.com
www.ryson.com



Schober USA
4690 Industry Dr
Fairfield, OH 45014
513-489-7393
Fax: 513-489-7485
www.schoberusa.com

Simco-Ion Industrial Group
2257 N Penn Road
Hatfield, PA 19440
215-822-6401
Fax: 215-997-3435
www.simco-ion.com



Texwrap
525 Vossbrink Drive
Washington, MO 63090
636-239-7424
Toll Free 800-886-7421
Texwrap@Promachbuilt.com
www.texwrap.com



TGW International
5 Braco International Blvd.
Wilder, KY 41076
800-407-0173
sales@tgwint.com
www.tgwint.com



Totani America, Inc.
1701 Mid Valley Dr
De Pere, WI
920-593-8700
Fax: 920-593-8704
www.totaniamerica.com

Universal Labeling
3501 8th Ave South
St Petersburg, FL 33711
727-327-2123
www.universal1.com

William B. Rudow, Inc.
1122 Goodrich Ave
Sarasota, FL 34236
941-957-4200
Fax: 941-955-7666
david@rudow.com
www.suckers.com

Yaskawa Motoman
100 Automation Way
Miamisburg, OH 45342
937-847-6200
Fax: 937-847-6277
info@motoman.com
www.motoman.com

Product Listings

4 Corner Glued Lids
Printex Transparent Packaging

Accumulating Conveyors
mk North America, Inc.
Multi-Conveyor LLC
Ryson International, Inc.

Acetate Boxes
Printex Transparent Packaging

Adhesives & Coatings
H.B. Fuller

Apparel Packaging
Printex Transparent Packaging

Automatic Box Filling
Cama North America
Automated Guided Vehicles
Oriental Motor USA

Automation
AZCO Corporation
BluePrint Automation (BPA)
Brenton
Cama North America
Delta ModTech
Inkjet Coding & Marking
KHK USA, Inc.
mk North America, Inc.
Oriental Motor USA
Orion
Rechner Electronics Industries, Inc.
Ryson International, Inc.
Texwrap
Yaskawa Motoman

Automotive Components
mk North America, Inc.

Bagging
Alliedflex
TGW International

Barcode Inspection
Matthews Marking Systems

Barcoding
Abbott Company
Inkjet Coding & Marking
Matthews Marking Systems

Belting
mk North America, Inc.

Blister Carding
Brisar Industries

Blister Packaging
Brisar Industries
BluePrint Automation (BPA)

Bottling
Ryson International, Inc.

Bucket Elevator
Ryson International, Inc.

Carton Slevvers
Cama North America

Cartoning Machinery
BluePrint Automation (BPA)
Cama North America
Inkjet Coding & Marking
Pflow Industries Inc.

Cartoning/Case Packing
BluePrint Automation (BPA)
Brenton
Cama North America
Pflow Industries Inc.

Case & Tray Packers
Alliedflex
BluePrint Automation (BPA)
Brenton
Cama North America
MARQ Packaging Systems II LLC

Case Erectors
BluePrint Automation (BPA)
Cama North America
MARQ Packaging Systems II LLC

Case Scales
Ossid LLC

Case Sealers
Abbott Company
Cama North America

Cell Phone Packaging
Printex Transparent Packaging

Cello Wrapping
Brisar Industries

Checkweighing
BluePrint Automation (BPA)
Mettler-Toledo

Clamshell Packaging
BluePrint Automation (BPA)
Brisar Industries
Printex Transparent Packaging

Clear Boxes for Automated Assembly
Printex Transparent Packaging

Clear Plastic Folding Boxes
Printex Transparent Packaging

Closing & Sealing Equipment
Cama North America
Enercon Industries
Optima Machinery
Texwrap

Club Packs
Brisar Industries
Texwrap

Coding & Marking
Abbott Company
Inkjet Coding & Marking
Matthews Marking Systems
Mettler-Toledo

Cold-Form Blister Packaging
Brisar Industries

Cold Storage
Ryson International, Inc.

Combination Packaging
Cama North America
Printex Transparent Packaging

Combination Weighers
Mettler-Toledo

Components
KHK USA, Inc.
Oriental Motor USA

Consulting
Mettler-Toledo

Continuous Inkjet Printers
Abbott Company
Inkjet Coding & Marking

Contract & Custom Converters
Cincinnati Convertors
Northcore Industries, Inc.

Converting Equipment
Delta ModTech

Conveyors & Conveying
Inkjet Coding & Marking
Mettler-Toledo
mk North America, Inc.
Multi-Conveyor LLC
Orion
Pflow Industries Inc.
Ryson International, Inc.

Cores & Tubes
Northcore Industries, Inc.
Printex Transparent Packaging

Cosmetic Packaging
Cama North America
Optima Machinery
Printex Transparent Packaging

Custom Silk Screen Services
Printex Transparent Packaging

Cut to Length Knife Assemblies
AZCO Corporation

Cutting
AZCO Corporation
Cadence, Inc.
Printex Transparent Packaging
Rollem Corporation of America
TGW International

2022 Buyers' Guide

Product Listings

Die Cutting

AZCO Corporation
Printex Transparent Packaging
Rollem Corporation of America
Schober USA

Die-Cut Packaging Windows and Inserts

Printex Transparent Packaging

eCommerce

Ryson International, Inc.
Texwrap

Electronics

mk North America, Inc.

Equipment Stands

AZCO Corporation

Ergonomic Equipment

mk North America, Inc.

Fill

Alliedflex

Films & Foils

Filmquest Group Inc.
Northcore Industries, Inc.
TGW International

Finishing Equipment

Rollem Corporation of America

Flat Bottom Box Pouch Making

Totani America, Inc.

Flexible Packaging

Alliedflex
BPM Inc., A Specialty Paper Mill
Cincinnati Convertors
H.B. Fuller
Matthews Marking Systems
Ossid LLC
QMI, Inc.
Schober USA

Flow Wrappers

Ossid LLC

Foil Printing & Stamping

Printex Transparent Packaging

Folders & Gluers

Printex Transparent Packaging
Rollem Corporation of America

Folding Cartons

Colbert Packaging Corporation
Printex Transparent Packaging
Schober USA

Food & Beverage Packaging

BluePrint Automation (BPA)

Food Packaging Bag

Printex Transparent Packaging

Foods

Universal Labeling

Forklifts

Combilift USA

Form, Fill & Seal

Alliedflex
BPM Inc., A Specialty Paper Mill
Brisar Industries
Cincinnati Convertors
TGW International

Gas Springs & Motion Controls

ACE Controls Inc.
Inkjet Coding & Marking

Health & Beauty

Printex Transparent Packaging
Universal Labeling

Heat Sealing

Enercon Industries

Heat Shrink Labels

Inkjet Coding & Marking

Hole Punching

AZCO Corporation
QMI, Inc.

Home Entertainment

Printex Transparent Packaging

Horizontal Form, Fill, Seal

Ossid LLC

Hot Laminating

Rechner Electronics Industries,
Inc.

In-Store Marketing POP

Printex Transparent Packaging

Infeeders

Texwrap

Ink Jet

Abbott Company
Filmquest Group Inc.
Inkjet Coding & Marking

Inks

Abbott Company
Inkjet Coding & Marking

Inserting Equipment

AZCO Corporation

Inserts

Colbert Packaging Corporation

Inspection & Testing Systems

Alliedflex
Lotar Enterprises
Mettler-Toledo
mk North America, Inc.

iPhone Printer

Inkjet Coding & Marking

Knives & Blades

AZCO Corporation
Cadence, Inc.
Schober USA
TGW International

Label Maker

Inkjet Coding & Marking
Universal Labeling

Labeling

Abbott Company
Brisar Industries
CTM Labeling Systems
Filmquest Group Inc.
Inkjet Coding & Marking
Matthews Marking Systems
Universal Labeling

Labeling Dispensers

Universal Labeling

Labeling Machinery

Abbott Company
CTM Labeling Systems
Inkjet Coding & Marking
Matthews Marking Systems
Ossid LLC
Universal Labeling

Labels

Matthews Marking Systems
Northcore Industries, Inc.
Universal Labeling

Lidding Films

Griff Paper & Film

Lifting

Pflow Industries Inc.

Liquid Filling Machines

Optima Machinery

Machine Vision

Abbott Company
Mettler-Toledo

Material Handling Equipment

Combilift USA
CTM Labeling Systems
Mettler-Toledo
mk North America, Inc.
Orion
Pflow Industries Inc.
Rechner Electronics Industries,
Inc.
Yaskawa Motoman

Materials, Parts & Supplies

ACE Controls Inc.
KHK USA, Inc.
William B. Rudow, Inc.

Medical

Brenton
mk North America, Inc.
Universal Labeling

Product Listings

Medical Device Packaging

Brenton
Brisar Industries
Cama North America
Texwrap

Metal Detection

Mettler-Toledo

Motion Control

ACE Controls Inc.
Inkjet Coding & Marking
Oriental Motor USA

Non-Foods

Cama North America
Northcore Industries, Inc.

Off-Set UV Printing on Plastic

Printex Transparent Packaging

Overwrapping & Bundling

Brisar Industries
Cama North America
Texwrap

Packaging Equipment

Abbott Company
AZCO Corporation
BluePrint Automation (BPA)
Brenton
Cama North America
Delta ModTech
Matrix Packaging
mk North America, Inc.
Powell Systems, Inc.
Ryson International, Inc.

Packaging Machines

Alliedflex
AZCO Corporation
BluePrint Automation (BPA)
Brenton
Cama North America
Inkjet Coding & Marking
Matrix Packaging
Orion
Ossid LLC
Texwrap

Pallets & Palletizing

Brenton
Cama North America
Orion

Particulate Removal

Simco-Ion Industrial Group

Parts & Accessories

KHK USA, Inc.
QMI, Inc.
William B. Rudow, Inc.

Pharmaceutical

Brenton
Brisar Industries
mk North America, Inc.
Printex Transparent Packaging
Texwrap
Universal Labeling

Pharmaceutical Fulfillment

Brisar Industries

Pick-and-Place/Picker Lines

BluePrint Automation (BPA)
Cama North America

Plastic Packaging

Brisar Industries
Griff Paper & Film
Printex Transparent Packaging

Plastic POP Packaging Displays & Dispensers

Printex Transparent Packaging

Pneumatic Conveyors & Accessories

Multi-Conveyor LLC

POS/POP Display Packouts

Brisar Industries
Cama North America

Pouch Making Machinery

AZCO Corporation
Totani America, Inc.

Pouch Packaging

Alliedflex
BluePrint Automation (BPA)

Pressure Sensitive Labels

Abbott Company
Colbert Packaging Corporation

Printing

Inkjet Coding & Marking
Printex Transparent Packaging

Processing Equipment

Rechner Electronics Industries, Inc.

Product Handling & Systems

Brenton
Ryson International, Inc.

Product Settling

BluePrint Automation (BPA)
mk North America, Inc.

Professional Services & Supplies

Lotar Enterprises

Promo & Club Packs

BluePrint Automation (BPA)
Cama North America
Printex Transparent Packaging
Texwrap

Promotional Product Direct Mail

Brisar Industries

Protective Packaging

Orion
Texwrap

Punches

AZCO Corporation
QMI, Inc.
Schober USA

RF Sealing

Brisar Industries

RF Services

Printex Transparent Packaging

Rigid Containers

Brenton
Cama North America

Rigid Window Pick and Place

Printex Transparent Packaging

Robotics

BluePrint Automation (BPA)
Brenton
Cama North America
mk North America, Inc.
Oriental Motor USA
Yaskawa Motoman

Robots

Brenton
Cama North America
Oriental Motor USA

Rotary Cutters

AZCO Corporation

Rotary Indexing Tables

Inkjet Coding & Marking
Oriental Motor USA

Sanitary Conveyors

Multi-Conveyor LLC

Scales

Powell Systems, Inc.

Scanners

Inkjet Coding & Marking

Scented Packaging

Printex Transparent Packaging

Sealers

Texwrap

Servo Motion Control Components

Brenton
Oriental Motor USA

Servo Motion Control Systems

Brenton
Oriental Motor USA

Sheeters

AZCO Corporation

2022 Buyers' Guide

Product Listings

Shipping & Transportation

Inkjet Coding & Marking

Shrink Wrapping

Brisar Industries
Texwrap

Side Weld Bag Making Machinery

Totani America, Inc.

Signs & Marking

Inkjet Coding & Marking
Lotar Enterprises

Sleeving Systems

Cama North America

Slitters

AZCO Corporation

Specialty Packaging

BluePrint Automation (BPA)
BPM Inc., A Specialty Paper Mill
Brisar Industries
Printex Transparent Packaging

Specialty Products

Inkjet Coding & Marking
Rechner Electronics Industries, Inc.

Spiral/Vertical Conveying

Ryson International, Inc.

Stapling Heads

BECK America

Static Charging

Simco-Ion Industrial Group

Static Neutralizing

Simco-Ion Industrial Group

Stationary

Printex Transparent Packaging

Stencil Machines

Abbott Company
Inkjet Coding & Marking

Stickers & Labels

Inkjet Coding & Marking

Storage

Ryson International, Inc.

Stretch Wrappers

Orion

Surface Treating

Enercon Industries

Sustainability

Cama North America
H.B. Fuller
Ossid LLC
Printex Transparent Packaging

Tape Dispensers

Abbott Company

Tapes & Rolls

Griff Paper & Film

Testing & Analysis

Lotar Enterprises
Mettler-Toledo

Thermal Transfer Overprinters (TTO)

Abbott Company

Thermo/Vac/Pressure Forming

Brisar Industries

Thermoform & Blister CNC Tooling

Brisar Industries

Tipping

Brisar Industries

Toll Printing

BPM Inc., A Specialty Paper Mill

Tools & Fasteners

BECK America

Tray Loading Equipment

BluePrint Automation (BPA)
Brenton
Cama North America

Trayformers

Cama North America
MARQ Packaging Systems II LLC

Tray Overwrappers

Ossid LLC

Tray Sealers

Ossid LLC

Tube Cutters

AZCO Corporation

Ultraviolet Equipment/Systems

Abbott Company

Unit Cartoning

BluePrint Automation (BPA)
Brisar Industries
Cama North America

Unwind/Rewind

AZCO Corporation

Vacuum Cups

William B. Rudow, Inc.

Vertical Form, Fill, Seal

Matrix Packaging

Vertical Sealers

Texwrap

Vibratory Equipment & Conveyors

Multi-Conveyor LLC

Warehouse Equipment

Inkjet Coding & Marking
Ryson International, Inc.

Weigh Price Labelers

Ossid LLC

Weighing Equipment

Mettler-Toledo
Powell Systems, Inc.

Wine & Spirits

Printex Transparent Packaging
Texwrap

X-Ray Inspection Systems

Mettler-Toledo



the **NEW** Pouchmaster H/F/F/S

- Leasing Available
- Manufactured in the USA
- Zipper/Standup
- Trailing Clips - Large Pouches
- Special Die Cut Shapes
- Servo Retrofits
- Rebuilt Bartelts®/New HMC's Available
 - (1) IM 9-12
 - (2) IM 7-14
 - (1) Servo IM 12-9
 - (1) Liquid Post Fill Die Cut - 100 PPM



www.hmcproducts.com

7165 Greenlee Drive • Machesney Park, IL 61011

800-423-4198 • 815-885-1900 • F: 815-885-2775

email: hmc@hmcproducts.com

Bartelt® is a registered trademark of KHS-USA

Replacement Lighting Systems Available

48" LED, color balanced, energy efficient with mounting hardware included. Direct replacement for older less efficient fluorescent lights. *Improve your productivity!*



Progressive Ergonomic Movement



Proudly Made in the U.S.A.

Since 1984



BRUTE Not Needed

CM3000 - 2000 lb capacity
Heavy-duty extruded aluminum with adjustable height and shelf height

Ergonomic Work Stations

Meeting the Needs of Warehouse Facilities

Dealer inquiries accepted.

Contact us for information and your local dealer today at:

Call: (508) 481-3322 • Email: info@Omtec.com • www.Omtec.com

Innovative, modern and adjustable design. Affordable and well built with the highest quality non-corrosive materials.

IMMERSE YOURSELF IN GENERATION 4.0



Cama Group is a leading supplier of advanced technology secondary packaging systems, continuously investing in innovative solutions.

IBIE EDUCATION: SEPT. 17-21, 2022
INTERNATIONAL BAKING INDUSTRY EXPOSITION EXPO HALL: SEPT. 18-21, 2022
BOOTH: 5011

PACK EXPO INTERNATIONAL
October 23-26, 2022
McCormick Place
Chicago, Illinois USA
BOOTH: 3386



Scan to
Download
Brochure

Buffalo Grove, IL, USA · 847-607-8797 · www.camagroup.com



Mettler Toledo Demonstrates Inspection Systems at Interphex

Mettler Toledo Product Inspection demonstrated a variety of inspection systems for the pharmaceutical and biotech industries at the Interphex conference in May, including its new X34C x-ray inspection system for pharmaceutical blister packs and pouches, which features a compact footprint of just 28 inches (700 mm) in length for easy line integration. The X34C offers accurate performance while running at exceptionally high speeds of up to 400 feet (120 meters) per minute.

Also on display was the T16 manual multi-aggregation system, part of their new line of integrated mark and verify solutions designed to help manufacturers add serialization and aggregation to their production lines for product safety and compliance requirements. Combining a high-resolution camera and advanced software algorithms, the semi-automatic T16 captures and verifies product codes on serialized cartons and aggregates them with a single click.

Mettler Toledo's newest load cell – FlashCell™ was demonstrated on a C35 AdvancedLine checkweigher. With industry-leading throughputs of up to 800 packages per minute, FlashCell enables product manufacturers and contract packers to process products more quickly and reduce product giveaway. Checkweighers with FlashCell feature a smaller footprint, allowing customers to better fit their equipment within limited factory floor space.

A Tablex-PRO system was exhibited, and is ideal for inspecting tablets and capsules. It offers ultra-high frequency operation and enhanced noise and vibration immunity to achieve exceptional detection sensitivity. With an easy-to-use color touchscreen, failsafe reject design and reject confirmation, the Tablex-PRO is a reliable field-proven solution.

ROYAL[®] BASKET TRUCKS

www.royal-basket.com
800.426.6447



**Collect, Sort, &
Transport with
Efficiency!**

Experience the Difference in Quality.



AD INDEX

Ace Controls Inc.	2
www.acecontrols.com	
CAMA North America	30
www.camagroup.com	
Crandall Filling Machinery	21
www.crandall.com	
EBS Ink Jet Systems USA	3
www.ebs-inkjet-usa.com	
Fibre Box Association	BC
www.fibrebox.org	
HMC Products Inc.	29
www.hmcproducts.com	
Label Expo Global Series	5
www.labelexpo.com	
Logical Machines.....	31
www.logicalmachines.com	
Lotar Enterprises.....	9
www.lotarenterprises.com	
Omtec Corp.	29
www.omtec.com	
Paxton Products.....	7
www.paxtonproducts.com	
Rechner Electronics Industries Inc.	12
www.rechner.com	
Royal Basket Trucks Inc.	31
www.royal-basket.com	
Schober USA Inc.	21
www.schoberusa.com	
Shurtape Technologies	FC
www.shurtape.com	
Shurtape Technologies	13
www.shurtape.com	
William B Rudow Co.	17
www.suckers.com	

The S-4: The Perfect Popcorn Filling Machine

**We understand the needs
of Popcorn Producers. Our
Model S-4 is the perfect
Popcorn Filling Machine.**

- Fully assembled
- Easy to set up, maintain, and operate
- Start filling popcorn quickly without a lot of fiddling with controls and settings
- Proven user-friendly design and trouble-free reliability
- Made in the USA by a company that supports your values
- Available in Floor Stand and Table Top models



Model S-4
with Floor Stand

For more information visit our website:

www.logicalmachines.com/popcorn-machine

**LOGICAL
MACHINES**

1158 Roscoe Rd., Charlotte, VT 05445
lminkler@logicalmachines.com
802.425.2888

Made in Vermont, USA

Packaging

TECHNOLOGY TODAY

PACKAGING TECHNOLOGY TODAY
An RDG Media, Inc. Publication
P.O. Box 80915
Rochester, MI 48308

Presorted Std
US Postage
PAID
RDG Media, Inc.



FIBRE BOX ASSOCIATION®



BOXES.

THE MOST *extraordinary* ORDINARY THING IN THE WORLD.

The corrugated industry has a long-standing and proven commitment to sustainability and an inherently circular supply chain. Only trees from sustainably managed forests are used to make corrugated boxes, and each year, more trees are planted than harvested. In fact, more trees live on American soil today than 50 years ago, now covering one-third of U.S. land¹. With a recycling rate hovering around 90 percent for the last decade, the corrugated industry closes the loop by reusing fibers from recycled boxes to make new ones.

Square? Most likely. Circular? Definitely! Renewable. Circular. Extraordinary.

Learn more about the renewability, recyclability and responsibility of boxes at boxesareextraordinary.com.