

packaging

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YOUR PACKAGING INSIDER

N°4-2025



CoA2.0: Wireless Revolution

Servomotors 5.0 for automation and motion control for the **Food & Beverage industry**



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

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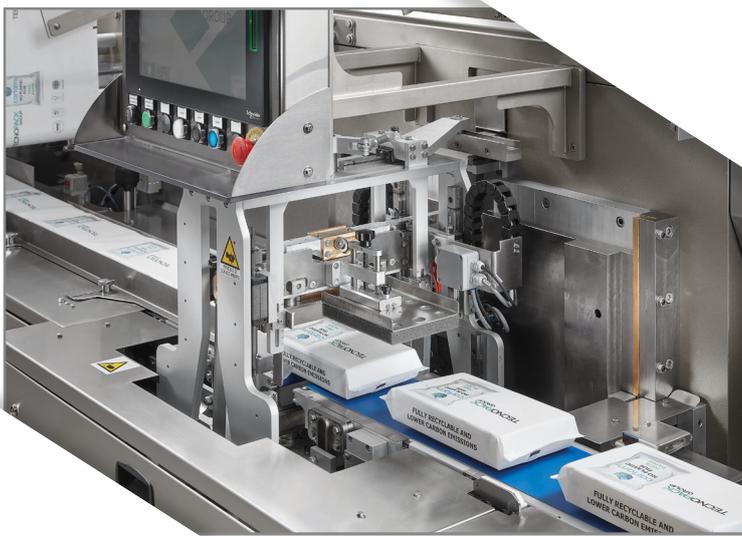


6-7

CAMA GROUP

The future of
manufacturing

PACKAGING



16-17

TECNO PACK SPA

FP 100 HP: high-speed
paper sealing
by Tecno Pack.



SONIA V. MAFFIZZONI
Editorial Manager

The packaging industry is moving through one of its most significant transitions in years. Sustainability, efficiency and operational continuity are no longer distant ambitions but concrete forces shaping every strategic move in the market. Companies are not simply looking for high-performance machines. They are seeking reliable solutions, intelligent materials and partners able to guide decisions that influence productivity, cost control, safety and long-term competitiveness.

Current market trends confirm this direction. Demand is rising for technologies that enhance precision and performance, for systems that reduce environmental impact and for approaches that make packaging smarter, lighter and more resilient. At the same time, manufacturers are rethinking processes with broader, more responsible perspectives, aware that innovation today must serve both efficiency and sustainability.

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AUTOMATION



22-23

MINI MOTOR SPA

CoA 2.0: Mini Motor revolutionizes packaging with wireless format changeover.

EXHIBITION



78-79

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PACKAGING AND BRANDING: MORE THAN JUST A BOX

Packaging is often perceived as merely a functional container, a protective layer for products during transport and distribution. However, in today's world, packaging is much more than that. It has evolved to become a key element in a company's marketing and communication strategy. In an increasingly competitive market, packaging plays a crucial role in differentiating a brand, communicating its values, and capturing consumer attention. It's the first point of contact between the product and the customer, and it often represents the first impression that forms in the buyer's mind. For this reason, packaging design has become an art in itself, capable of influencing purchasing decisions and contributing to customer loyalty.

Modern packaging must meet a range of needs that go far beyond physical protection. It needs to be visually appealing, functional, and sustainable, but most importantly, it must communicate the brand's identity. Good packaging is instantly recognizable and reflects the values the company wants to convey. It's a vehicle for storytelling, capable of telling a story without words, using design, the materials, colors, and even the format. For example, minimalist, clean packaging can communicate a message of elegance and quality, while a more colorful, bold design might suggest a dynamic, youthful brand.

An emblematic case is packaging in the luxury sector, where aesthetics are often considered just as important as the product itself.

A well-known example is Apple products: the packaging is meticulously designed to offer an unboxing experience that lives up to the brand's expectations. Attention to materials, the sound of the box as it opens, the arrangement of accessories—all these elements contribute to creating a moment of connection between the customer and the product, making the consumer feel part of something special. In this context, packaging is not just a means of protecting the product but becomes an integral part of the purchasing experience.

But packaging isn't just about aesthetics. Another crucial aspect is its functionality. A good design must be practical, easy to use, and, at the same time, optimize space to reduce shipping costs and minimize environmental impact. Companies are increasingly investing in solutions



by *Walter Konrad*

that are not only beautiful but also sustainable. The theme of sustainability is now one of the main drivers of innovation in the packaging sector. The use of recycled, biodegradable, or easily disposable materials has become a key element for many companies that want to position themselves as responsible brands with environmental awareness. This is especially true for brands targeting a young, conscious audience, for whom sustainability is a non-negotiable value.



All images: pexels.com



Another aspect of packaging that deeply affects a brand's image is consistency—visual consistency, of course, but also consistency in messaging. Packaging must be perfectly aligned with the rest of the brand's communication, from advertising campaigns to website design. Everything needs to speak the same language. This consistency helps build a strong, recognizable identity that sticks in the consumer's mind. In a world where we are constantly bombarded with visual stimuli and advertising messages, having a clear and distinctive identity is essential to stand out and be remembered.

Thus, packaging can be a powerful branding tool, but it must be authentic to truly work. Today's consumers are more attentive and informed than ever and can quickly recognize a fabricated or artificial message. Packaging that promises sustainability but uses non-recyclable materials risks seriously damaging the brand's reputation. Therefore, companies must be transparent and consistent, not just in terms of aesthetics but also ethically.

Lastly, we can't talk about packaging without mentioning the importance of interactivity. With the advent of new technologies and the integration of digital elements, packaging has become an interactive tool that can enhance the consumer's experience.

One example is the use of QR codes, which allow access to digital content, explanatory videos, or exclusive promotions. This integration between physical and digital enables the brand to create a direct dialogue with the customer, enriching the buying experience and offering



content that can positively influence the perception of the product.

In conclusion, packaging is no longer just a "simple box," but a fundamental element for building and promoting a brand. It's a communication tool, a means of telling a story, a channel for connecting with the consumer, and a symbol of the company's values. In an increasingly crowded market, good packaging can make the difference between a product that goes unnoticed and one that captures the attention and loyalty of customers. Being aware of this transformation is essential for companies that want to continue growing and standing out in an increasingly demanding and complex competitive landscape.

THE FUTURE OF MANUFACTURING

Cama Group on embracing Industry 5.0 and rolling out its Machine Enhancement Program to improve the productivity and sustainability of its secondary-packaging machines.

Secondary-packaging machine manufacturer Cama Group is embracing this new era of industry. Its team believe we're in the middle of a cultural change that redraws the boundaries between humans, machines, and artificial intelligence.

"Our goal is to make sophisticated systems simple according to the Industry 5.0 paradigm, which brings humans and machines closer together through interfaces, contextualised language, and shared goals," says Head of Research and Development Massimo Monguzzi.

Generating solutions

The use of artificial intelligence (AI) and Generative AI (GenAI) are particular areas of interest for the team. According to Monguzzi, they have potential to improve products, processes, and services.

"From an initial curiosity, AI and GenAI have now become work tools. The first area has been the writing of software code, which is becoming increasingly high level. We are

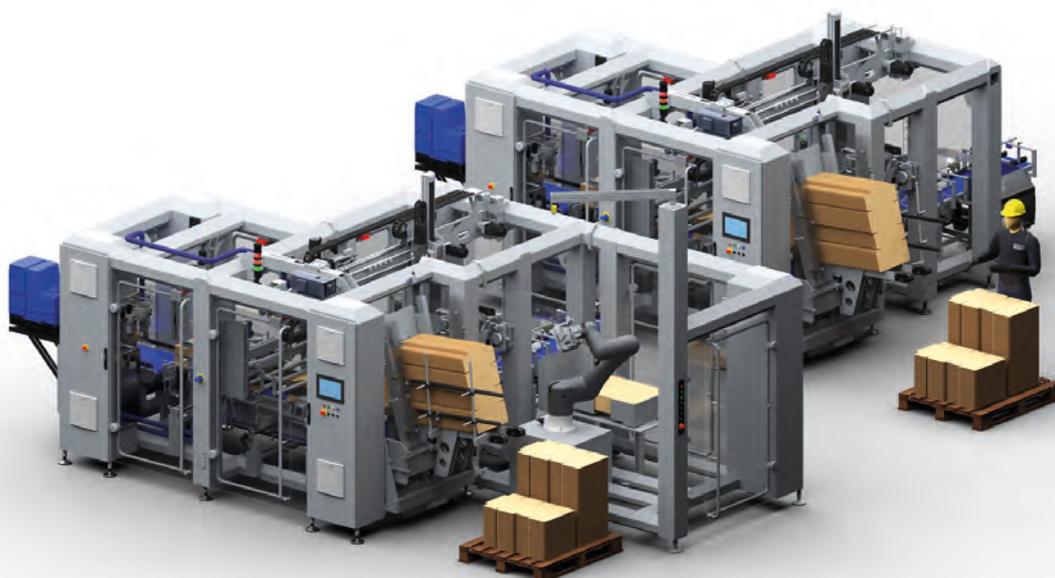


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rethinking the approach to programming to automate repetitive operations such as code writing," he says.

Alongside code writing, the team are also using this technology to develop technical documentation such as manuals, technical files, risk analyses, and declarations of conformity, which are usually time-consuming to produce.

"In similar scenarios GenAI proves effective, even if it cannot replace human control, but it increases productivity. It also reduces errors and enables greater standardisation of technical content."





To optimise its secondary-packaging solutions and make them more even efficient for its customers, Cama's Research and Development division is developing algorithms to study machine data in depth and identifying correlations between operating parameters and performance.

Continual enhancement

These explorative projects run alongside Cama Group's long-established Machine Enhancement Program, a continuous research and development process that aims to progress the company's packaging machinery and robotic solutions through the introduction of "cutting-edge technologies".

According to Sales Group Director Alessandro Rocca, the program has a strong focus on resource savings in terms of materials, energy, time, and space.

"The Machine Enhancement Program currently includes five fully operational systems and two modules in advanced development. It is a scalable platform that can be applied both to new installations and as a retrofit on existing packaging lines," he says.

The five operational systems that are in use across Cama's fleet of machinery are: augmented reality, digital twin, automatic format changeover, automatic carton loading, and automatic collaborative palletising. Each is designed to aid the production process for manufacturers and increase the performance of their packaging lines.

The first step of the Machine Enhancement Program is augmented reality, which is now a standard on all new machines and available as a retrofit on most recently installed bases.

Using a tablet to scan QR codes placed on different ma-

chine areas, operators can access a digital environment with step-by-step procedures, 3D animations, dedicated checklists, and specific documentation. Replacing traditional operating manuals, the goal is to save time, prevent errors, and simplify daily work.

"Augmented reality guidance makes even the most advanced machines easier to use. Every step is visualised and contextualised, reducing complexity and smoothing the learning curve," says Rocca. The Cama team have identified human errors and

downtime as being the two main weaknesses of packaging lines. To address these issues, they developed the automatic format changeover system.

In line with Cama Group's continued focus on machine evolution, the research and development team are currently working on two new functions of the Machine Enhancement Program that are due to be introduced to the market soon.

"A twofold benefit follows: the customer obtains a stable process and rapid diagnostics, and Cama raises design standards thanks to the efficient use of data to create increasingly high-performing machines."

These new technologies will be on display at Interpack 2026 in Dusseldorf, Germany, in May 2026.

For more information, visit camagroup.com

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Non ci spaventano le sfide più impegnative. La conoscenza approfondita nel tempo del packaging di processo e fine linea, ci consente di proporre soluzioni che co-





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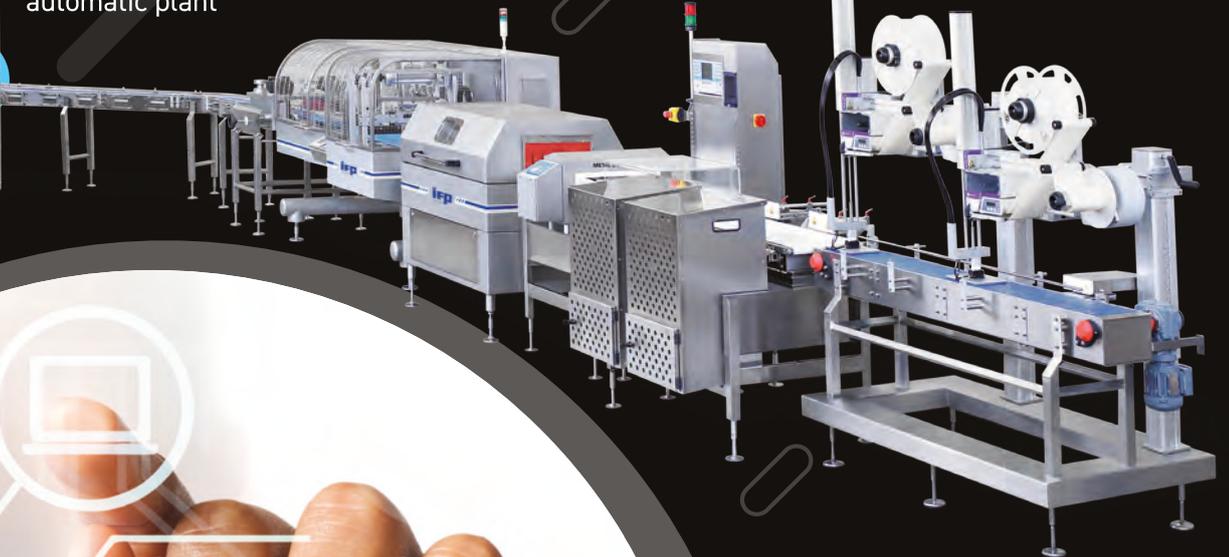


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prono una vastissima gamma di prodotti di ogni genere. La nostra produzione spazia dalla piccola macchina entry-level alle linee di grandi dimensioni, mantenendo inalterato l'elevato standard qualitativo.

Oggi IFP PACKAGING mette a disposizione della propria utenza la nuova serie di macchine confezionatrici per film termoretraibile SSI e SSIT, con o senza tunnel di termoretrazione integrato.

Frutto di 40 anni di esperienza e pensate per ottimizzare prestazioni, qualità senza compromessi e investimento, le macchine saldatrici in continuo della serie SSI e SSIT sono confezionatrici di ultima generazione studiate per assicurare versatilità, affidabilità e ottime velocità operative. Sono concepite per avvolgere sia prodotti sottili che di buon spessore, solidi di piccole, medie e grandi dimensioni.

La robusta struttura e l'integrale controllo di tutte le funzioni tramite touch screen fanno di queste confezionatrici la scelta ideale sia per usi artigianali che industriali ad alta produttività. 

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general system pack

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GSP 55 S BB
electronic inverted
flow pack wrapper



HIGH-SPEED
PACKAGING LINE

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GSP - PACKAGING MACHINES AND AUTOMATIC PACKAGING SYSTEMS

General System Pack builds and supplies packaging machines and automatic packaging systems, distinguishing itself with its advanced technology and extremely high quality standards.

The packaging lines produced by General System Pack are electronically managed, extremely sturdy, durable, and simple to operate and are built adopting solutions that aim to meet the most stringent ergonomic and hygienic demands. The wide range of models which General System Pack offers provide excellent flow pack solutions for every packaging sector, including automatic feeders and end-of-line equipment, ranging from controlled atmosphere to high speed, all the way to maximum levels of automation. The packaging lines offered are the best solutions for small and medium enterprises that wish to provide industrial-style packaging for their products.

GSP 50 EVO



GSP 65 BB



GSP 75 EVO




general system pack

The following are several examples of packaging machines and automatic series:

GSP 55 EVO: Electronic packaging machine, versatile and reliable, extremely flexible when it comes to changes in format, perfect for food and non-food products, for both single servings and multi-packages. It is characterised by a cantilevered structure and ease of accessibility, as well as its hygienic standards, simple maintenance, and built-in safety.

GSP 65 BB: Horizontal electronic packaging machine for long term heat sealing, designed to create hermetic bags in a controlled atmosphere for products that are more challenging to transport or that require extreme caution and zero shocks during transport and insertion

in the film. It is the perfect solution for increasing the shelf life of food products, while also providing a bag that is aesthetically pleasing and able to provide good mechanical protection to the contents.

GSP 50 EVO: Highly technological horizontal electronic packaging machine: a fast, easy-to-use, and versatile machine that is capable of combining high technology and an excellent quality-price ratio.

Visit: www.gsp.it

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WINNING OVER GEN ALPHA THROUGH PACKAGING

Packaging has evolved far beyond its traditional role as a protective covering, it's now a key part of the product experience. For Generation Alpha, the first fully digital-native generation, packaging matters just as much as what's inside. They interact with it in a way previous generations didn't, seeing it as an extension of the brand, something to engage with, share, and get excited about.

Gen Alpha is expected to be the largest generation in history, comprising over 2 billion people by 2025. They are highly digitally literate and seek sustainable, interactive, and personalized packaging that aligns with their values.

Packaging has evolved into a powerful extension of brand identity, influencing consumer sentiment and long-term loyalty. Businesses that prioritize packaging as an experience – not just a necessity – are successfully driving engagement and elevating their market presence.

How packaging is changing

To capture Gen Alpha's attention, brands are embracing these key packaging trends:

- **Character-driven branding** – Beloved animated faces create instant familiarity and make products more engaging.



- **Limited-edition designs** – Exclusive, seasonal packaging sparks curiosity and encourages repeat purchases.
- **Playful, interactive elements** – Packaging that reimagines traditionally mundane activities, such as healthy eating, into exciting experiences, fostering engagement and enjoyment at mealtime.

Why it works

- **Kids get excited** – Fun, recognizable packaging makes products feel special.
- **Parents feel good** – Designs that encourage healthy choices make buying decisions easier.
- **Retailers see results** – Eye-catching packaging improves shelf visibility and boosts sales.

The bigger picture

It's not just Gen Alpha shaping packaging trends—wider consumer behavior is shifting, too:

- **Nostalgia meets novelty** – Familiar characters combined with fresh, modern designs appeal to multiple generations.
- **Edutainment packaging** – The edutainment market is projected to grow at a CAGR of 16.1% through 2034, driven by interactive and gamified packaging that enhances learning experiences.

• Sustainability matters

- Studies show that 92% of shoppers consider sustainability important when choosing a brand, and 74% of consumers are willing to pay more for sustainable packaging

Looking ahead: packaging as an experience

The future of packaging is all about storytelling. It's not just about wrapping a product, it's about creating an emotional connection. The brands that win will be the ones that make packaging feel personal, exciting, and shareable, both in stores and online.



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FP095 E INOX
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in an aggressive environment



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FP 100 HP: HIGH-SPEED PAPER SEALING BY TECNO PACK

Tecno Pack continues its tradition of research and development, with an ever-increasing focus on energy savings and the shift towards fully sustainable packaging. The 2025 edition of the international IPACK-IMA trade fair marked the debut of the flagship model among horizontal flow pack packaging machines: the FP 100 HP BOX MOTION 520.

Tecno Pack
PACKAGING MACHINES

This new model has been specifically designed to ensure perfect sealing on paper, even at high speeds, delivering smooth and linear operation while elimi-





nating the typical challenges associated with similar applications.

The FP 100 HP BOX MOTION 520 is the result of extensive optimization efforts, significantly enhancing both the reel drive system and the longitudinal and transversal sealing groups.

The transversal sealing unit features an innovative box motion system with extended sealing time, capable of delivering adjustable sealing pressure up to 600 kg per square centimeter, even at the highest operating speeds.

The film unwinding mechanism benefits from precision regulation, fully automated and supported by load cells. These ensure consistent film feed to the longitudinal sealing group under all conditions - from startup to top speed, during in-cycle adjustments, restart phases, and automatic reel changes.

The longitudinal sealing unit, consisting of four pairs of wheels, features exclusive micrometric adjustments designed for paper sealing, accommodating varying thicknesses and material consistencies.

At the Tecno Pack Group booth during IPACK-IMA 2025, visitors witnessed

the FP 100 HP BOX MOTION 520 producing perfectly sealed paper packages at high speed (up to 160 packs per minute), appreciating the machine's operational smoothness — a top-level performance maintained effortlessly at cruising speed.

Tecno Pack is fully prepared to meet the new challenges of industrialization in primary flow pack packaging, offering a thoroughly tested, reliable solution aligned with the demands of today's market. 🏢

www.tecnopackspa.it

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IMA PHARMA AND IMA MED-TECH CELEBRATE A SUCCESSFUL PHARMINTECH 2025

Showcasing cutting-edge solutions for pharmaceutical and medtech industries

The recent PHARMINTECH 2025 event marked a significant milestone for IMA Group's Pharmaceutical and MedTech Divisions, with a successful showcase of their latest innovations and solutions. Held in Hall 2 at Booth B46-C45, the exhibition attracted a broad spectrum of industry professionals eager to discover IMA's all-in-one approach to pharmaceutical and medical device manufacturing.

Innovative solutions across divisions

IMA Pharma brought a comprehensive lineup of advanced machines and complete production lines, covering packaging and processing for pharmaceutical, nutraceutical, and medical products. The divisions—IMA Active, IMA Life, IMA Safe, and the End of Line Hub—presented a range of new technologies tailored to meet the evolving needs of the market, including digitalisation, sustainability, and enhanced customer service.

IMA Active: precision capsule filling and more

IMA Active highlighted the ADAPTA 50 capsule filling machine, a state-of-the-art solution designed for maximum

flexibility and precision. Capable of handling complex product combinations and micro-dosing for dry powder inhalers, ADAPTA 50 impressed visitors with its advanced volumetric dosing and delicate handling technologies. The presentation also included insights into the IMA Active Competence Center, a hub dedicated to R&D acceleration, process optimization, and advanced pharmaceutical testing.



ADAPTA 50

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In today's ever-changing world, complexity has become an opportunity. An opportunity to create new dimensions, advanced connections and effective solutions together with a single supplier who can provide everything you need to shape the future of pharma.

IMA Life: leading aseptic processing and freeze drying

IMA Life showcased its groundbreaking TILE-X system, a fully gloveless, modular filling and closing solution for small-batch Ready-To-Use containers.

Designed for high-value therapies such as personalized medicines and ATMPs, TILE-X was awarded the prestigious Biotech Innovation Award at Interphex NY 2025.

Additionally, the innovative HYPER labelling machine demonstrated exceptional performance and flexibility, capable of handling diverse container types and equipped with advanced serialization and Track & Trace features.



TILE-X



IMA Safe: efficient primary and secondary packaging

IMA Safe exhibited the C1290 tube filling machine, known for its speed, compact design, and user-friendliness, alongside the SAAS vertical form-fill-seal machine tailored for suppository production. The End of Line Hub specialists were also on hand to demonstrate cutting-edge packaging line solutions, including robotics and integrated systems designed to maximize operational efficiency.



Suppository sealing strip

IMA MED-TECH: revolutionizing medical device assembly

IMA MED-TECH presented its innovative and versatile X-PEN modular platform for the assembly of pen injectors and autoinjectors. The system supports multi-variant manufacturing with fast changeovers and is ideal for high-

precision assembly needs in treatments for diabetes, obesity, multiple sclerosis, and more. Visitors had the opportunity to participate in virtual demos and one-on-one expert meetings, gaining firsthand insight into how X-PEN can transform injectable device production.

A focus on digital innovation and sustainability

IMA Group placed a strong emphasis on digital transformation and sustainability throughout the event. The booth featured the latest AI-driven manufacturing technologies, energy-efficient machinery, and sustainable packaging solutions developed under the IMA Sustainability Program.

These innovations help optimize production processes, reduce environmental impact, and enhance regulatory compliance, showcasing IMA's commitment to responsible innovation.

Looking ahead

The success of PHARMINTECH 2025 reaffirmed IMA Group's leadership in delivering tailor-made, high-quality solutions to the pharmaceutical and MedTech sectors.

The company looks forward to continuing to support its customers with cutting-edge technologies that meet the growing demands of the industry.

For more information about IMA Pharma and IMA MED-TECH, please visit:

www.ima.it/pharma

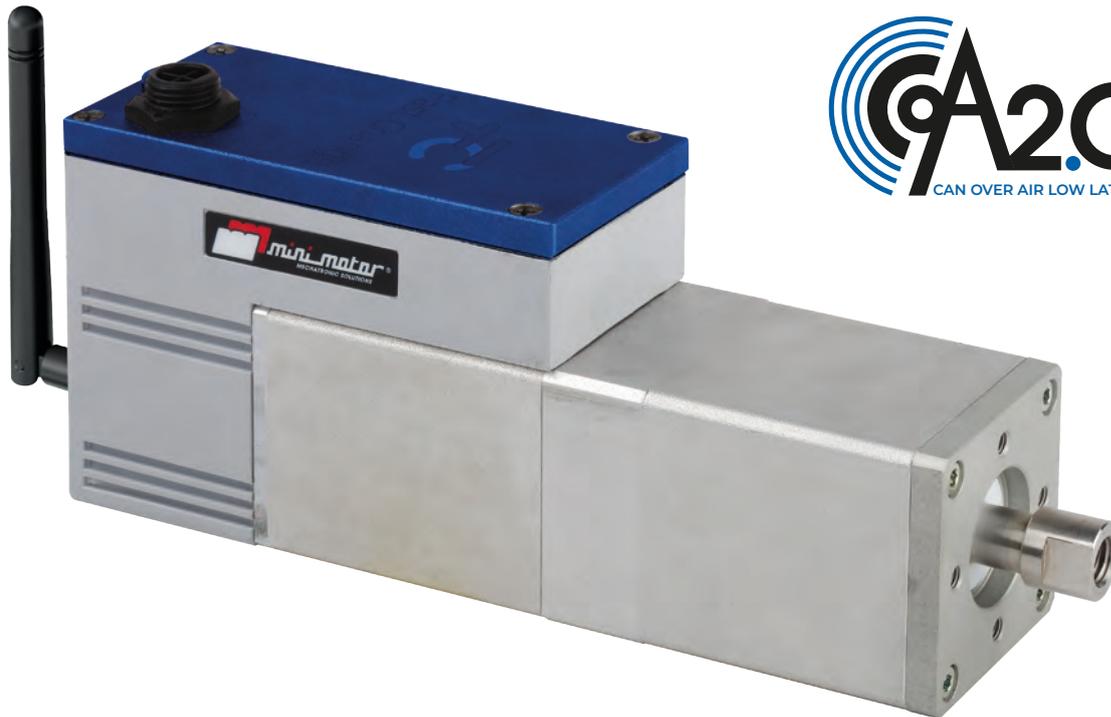
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X-PEN



COA 2.0: MINI MOTOR REVOLUTIONIZES PACKAGING WITH WIRELESS FORMAT CHANGEOVER



The packaging market has established the competitive advantage that characterizes successful companies. Versatility has been the challenge of the last five years, and format changeover, the real star of new operational projects, has enabled the most responsive companies to move into a new operating scenario.

In this sense, responsiveness is represented not only by the speed with which a line switches from one format to another, but also by the precision in the execution and replicability of the process.

Research carried out by Mini Motor, based on real cases from its customers, has guided the reinterpretation of integrated drive brushless gearmotors, which were created as intelligent components and are now optimized to meet the changing needs of format changeover.

Solutions for format changeover

The FC line incorporates the best features of the DBS integrated drive line, including a 32-bit multi-turn abso-

SECTORS

✓ INDUSTRIAL
AUTOMATION

✓ FORMAT CHANGEOVER





er thanks to Mini Motor's new proprietary wireless technology.

Can Over Air 2.0 is a proprietary Mini Motor technology that allows servomotors to be controlled without the need for communication cables.

The gateway, connected to the PLC via industrial fieldbuses, transfers communication to the motors, allowing multiple control units to be integrated.

Designed to receive incoming signals via Ethernet or CAN, COA is a secure and noise-resistant protocol that can adapt to the needs of modern automated and interconnected industrial systems.

In format change, this translates into greater ease of implementation of new components, with consequent advantages for scalability and line expansion.

The logic is essential: a concentrator, a radio network, Mini Motor motors with integrated communication, and the result is a network without fieldbus cabling, where devices communicate in real time

lute encoder and communication with the main fieldbuses (Profinet, Ethernet/IP, EtherCAT, Powerlink, Modbus, and CANopen), but differs in its specificity for packaging lines thanks to its versions with orthogonal gearbox or linear actuator.

The innovative design of the rotary version is designed to guarantee double the speed for the same size, halving the time required for format changeover. Available in four sizes: **FC3, FC6, FC10, FC20** depending on the required ratio, they are ideal for automating manual parts, also opening up numerous revamping opportunities.

The **FCL** line is available in the **FCL100** and **FCL200** variants, ideal for automating the movement of sides in linear format changes up to 200 mm. The FCLs are capable of delivering up to 200N and withstanding up to 5kg of axial load.

Format changeover goes wireless

Automating procedures with the FC line is now even easi-

and the layout of the system is no longer dictated by the passage of a cable or the presence of collectors.

CoA thus allows you to change the starting point and redesign the architecture of production lines with greater freedom and a wider design margin.

All this without complications: commissioning is carried out via a Windows application from which you can monitor the status of the network.

Mini Motor brings innovation to the service of work.

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OMETEC: EXCELLENCE IN PACKAGING SOLUTIONS

An Integrated Process for a Competitive Advantage

OMETEC oversees the entire process, from co-design to final molding. How does this integration provide a competitive advantage for your clients in the packaging sector?

OMETEC is a strategic partner for packaging companies thanks to an integrated production process that begins with co-design and extends to final molding. This synergy reduces time-to-market, optimizes costs, and ensures maximum quality and customization. By managing every phase internally, we guarantee precision in tolerances and high-performance materials, meeting the demands of an increasingly demanding market.

Industry 4.0: innovation for quality and efficiency
You use advanced technologies and interconnected systems based on Industry 4.0 principles. How do these solutions impact production quality and lead times?

The adoption of Industry 4.0 technologies has transformed our production process: real-time monitoring improves quality control, automation reduces errors, and

OMETEC is a company with over forty years of experience in the packaging market, specializing in the design and manufacturing of molds for caps in the pharmaceutical, detergent, and cosmetics sectors.

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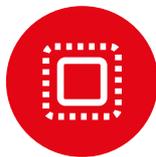




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predictive maintenance ensures continuous production. Additionally, digital simulation allows us to optimize projects before implementation, minimizing waste and reducing processing times.

Commitment to sustainability

What concrete actions have you taken to make your processes more sustainable, and how do they reflect on the final packaging products?

Sustainability is at the core of our strategy. We use bioplastics, recycled, and compostable materials, reduce energy consumption, and recycle production waste. To further strengthen our environmental commitment, we are obtaining the ISO 14001 certification, which validates our responsible approach to resource management and reducing environmental impact throughout the production chain.

Certifications: ensuring excellence

What role do certifications play in your daily operations, and how do they ensure high standards for your clients?

Certifications are a guarantee of quality for our clients. We have ISO 9001 and ISO 45001, and are also obtaining ISO 14001, to ensure controlled processes, environmental awareness, and compliance with industry standards.

Moreover, we believe in fostering a fair and inclusive work environment. For this reason, we already got the UNI PDR 125 certification for Gender Equality, promoting equal opportunities and valuing diversity within our team. We are also working on our Sustainability Report.



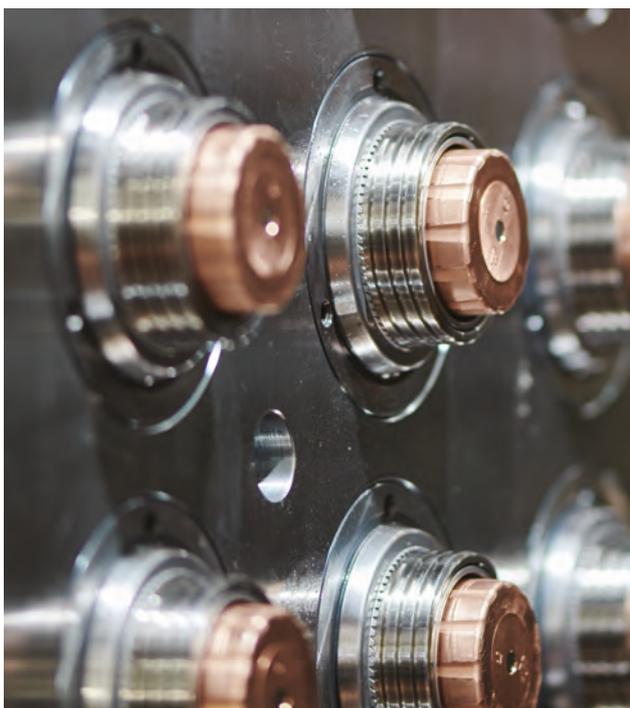
International expansion and future growth

You are investing in trade shows and foreign markets. What are your growth objectives, and what opportunities do you see in the international packaging sector?

We are determined to expand into international markets. Participating in trade shows and events allows us to strengthen our presence in Europe, North America, North Africa, and Asia, expanding our network of clients and partners. We aim to grow in sustainable packaging, responding to the increasing demand for innovative, low-impact solutions.

With our experience, technology, and strategic vision, OMETEC is the ideal partner for companies seeking efficient, customized, and sustainable packaging solutions, with a strong commitment to innovation, social responsibility, and international growth.

www.ometec.it



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BERRY GLOBAL UNVEILS NEXT-GENERATION BONTITE SUSTANE STRETCH FILM WITH 30% PCR

Berry Global's flexible films division is set to unveil the latest addition to its Bontite® Sustane™ Stretch Film portfolio at Packaging Innovations in Birmingham on 12-13th February – now featuring 30% certified post-consumer recycled (PCR) content.

Bontite is a range of technically advanced blown stretch films offering exceptional holding force to ensure palletised goods remain secure throughout transit. Providing strength, puncture resistance, and load stability, Bontite films are a prime solution for a range of industries including logistics, food and beverage, construction, retail, manufacturing, pharmaceuticals, and e-commerce.

The range includes films made from virgin materials as well as the Bontite Sustane portfolio, which utilises various types of recycled plastic. At the heart of this latest advancement is Berry's commitment to developing high-performance packaging solutions that align with circular economy principles. The integration of 30% certified post-consumer recycled content, which helps to reduce the reliance on virgin plastic, combined with stretch film's ability to be recycled post-use (Recyclable where PE film collections exist), supports this goal.

The use of PCR content in stretch films often presents technical challenges, from maintaining consistent strength and elasticity to ensuring load stability. However, through continuous investment in research and product development, Berry has successfully overcome these challenges to deliver the reliable performance and protection their customers have come to expect.

In addition, Berry works closely with its customers to help them optimise their packaging process – helping to re-engineer wrap patterns, select the ideal film thickness, and

fine-tune machine settings to minimise costs and maximise load stability.

“Stretch films are a critical component in the packaging process, keeping goods secure and protected throughout the supply chain.” said Gabrielle Ditsch, Sales Director at Berry Global's European Flexible Films business.

“Our new Bontite Sustane Stretch Film incorporating 30% PCR content demonstrates Berry's commitment to sustainability and innovation. By incorporating PCR, we can help to reduce the environmental impact of packaging while delivering an effective solution that safeguards products, reduces waste, and supports circular economy goals.”

Berry Global continues to push the boundaries of technical performance and operational excellence, reinforcing the vital role that high-quality stretch films play in modern packaging.

www.berryglobal.com





A MIDDLEBY STAR IS BORN IN CASARSA DELLA DELIZIA, ITALY

The Middleby Centro di Innovazione will drive progress in protein, bakery, and snack applications.

The inauguration of the Middleby Centro di Innovazione marked a moment of pride, unity, and deep emotion shared by all who were part of it: the Colussi Ermes team led by President Giovanni Battista Colussi, together with his children Andrea and Chiara Colussi, CEOs; the Board of Directors of Middleby Corporation and the Middleby Food Processing and Innovation Kitchens Team; local authorities; clients from around the world; exceptional suppliers; project and plant managers; friends.

Their presence brought warmth and meaning to the celebration, unveiling a place where innovation and inspiration meet – a place where the future of the food industry takes shape.

This milestone was made possible by the visionary leadership of the Board of Directors of Middleby

There are places that seem to breathe with a soul of their own. Places shaped by vision, passion, and the audacity to dream without boundaries.

During two unforgettable days, what was celebrated was not merely an opening, but the beginning of a new and meaningful chapter in Middleby's journey.





Corporation, and, in particular, the foresight of CEO Timothy Fitzgerald with the support of Mark Salman, President of the Food Processing Group, who chose to create this iconic center in Casarsa della Delizia, Italy - a land of authenticity, ingenuity, and heart.

Under the passionate leadership of Giovanni Battista Colussi, together with Andrea Colussi, Chiara Colussi, and the entire Colussi Ermes team, that vision came to life — with the contribution of visionary architects, passionate creatives, brilliant engineers, devoted suppliers, and specialized technicians, all united by the same goal and the same heartbeat.

The Middleby Centro di Innovazione stands today as a living symbol of collaboration, creativity, and determination.

A monumental project - 7,500 square meters of pure innovation - that blends the excellence of Friuli Venezia Giulia with the international know-how of the Middleby Group, elevating them onto the world stage of food tech.

The center encompasses:

- 2,000 square meters dedicated to the bakery sector, housing technologies and production lines for bread, baked goods, pastries, and confectionery;
- 2,000 square meters dedicated to the protein sector, with specialized plants for processing, treating and transforming meat for the food industry;
- 1,500 square meters dedicated to training, with equipped classrooms for courses, testing, and development;
- 2,000 square meters dedicated to foodservice, designed for product demonstrations, trials, and real-world applications.

The whole Middleby team is really excited to present the most extraordinary innovations in the industry in an exceptional location that will become a global hub: the “Temple” of Middleby Innovation.

A living place where innovation meets tradition - where customers from all over the world can experience something unique: they can experiment, create, and shape the future of food processing, developing new products with cutting-edge solutions, all while savoring the land’s beauty and flavors.

The center is dedicated to Giovanni Battista Colussi, whose creative ingenuity and entrepreneurial spirit inspired its design, reflecting his passion for innovation and excellence.



He envisioned the structure as an unparalleled showcase for all Middleby companies and as a one-of-a-kind experience for the food processing and foodservice industry.

From the heartfelt speeches to the first steps inside this extraordinary place — filled with technology, research, inspiration, and life — every moment resonated with pride and gratitude.

Because at Middleby, it’s not just about innovation; it’s also about caring, creating and building connections. TOGETHER, AT THE HEART OF INNOVATION.

For more information visit:
www.middprocessing.com
www.colussiermes.com

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SUSTAINABLE AND AUTOMATED PACKAGING SOLUTIONS BY HENKEL

Henkel publishes a white paper dedicated to automation and sustainability in e-commerce packaging. Entitled 'The ideal solution: packaging automation in e-commerce'.



E-commerce continues to grow rapidly, leading to an explosion in shipping volumes. This dynamic is accompanied by logistical, economic and environmental challenges: rising material costs, saturated storage capacity, increasing regulatory pressure and heightened consumer expectations. Faced with this context, e-commerce players are seeking to rethink their packaging chains. All too often, parcels are oversized, filled with unnecessary padding, or, conversely, insufficiently protected. These practices generate additional costs, waste materials and undermine the customer experience.

In its white paper 'The ideal solution: packaging automation in e-commerce', Henkel proposes an integrated approach to optimising packaging processes. The central idea is to automatically adapt the size of the box to the product being shipped, using intelligent packaging systems.

This technology reduces empty space in parcels, eliminates unnecessary padding materials, and makes better use of space in warehouses and vehicles. The result: substantial savings in transport costs, lower CO₂ emissions and a more efficient supply chain.

A development supported by European regulations The new European Packaging and Packaging Waste Regulation (PPWR) sets out a clear framework: by 2030, empty space in a parcel must not exceed 50% of its volume. This requirement encourages companies to adopt size-appropriate solutions, contributing to waste reduction and resource conservation. Henkel is anticipating these developments by offering concrete solutions based on automation and adhesive innovation that can help e-retailers comply with regulations while enhancing their operational efficiency. Adhesives: a key factor in performance While the size of the box is crucial, so is how it is sealed. The hot melt adhesives developed by Henkel are a key factor in the success of right-sized packaging.

Unlike conventional adhesive tapes, these adhesives ensure fast, stable and clean sealing without compromising the recyclability of the boxes. In addition, their low-temperature application reduces machine energy consumption and improves safety on production lines. A concrete example illustrates this efficiency: a major British e-commerce player that adopted Henkel



hot melt adhesives was able to reduce its glue consumption by 52% and its energy consumption by 42%. These measurable gains demonstrate the added value of the technology in a circular economy approach. Combining efficiency, sustainability and customer satisfaction Adopting appropriately sized packaging is not just a technical issue. It also contributes to improving the customer experience. Consumers receive better- proportioned parcels that are easier to handle and contain less unnecessary material to recycle. This consistency between logistical efficiency and environmental responsibility helps to strengthen trust in brands and enhance their image.

In a market where returns due to damaged products weigh heavily on margins, optimising protection and cushioning is also becoming a factor in competitiveness. A white paper as a strategic tool Henkel is making its expertise available to the industry through a white paper that details best practices for automating and optimising packaging processes. This guide is intended for companies seeking to reduce costs, accelerate their flows and integrate sustainable solutions into their production model. Through this initiative, Henkel confirms its role as a key partner in supporting the ecological and technological transition of the packaging sector.

Henkel, one of the world's leading manufacturers of adhesives, sealants and functional coatings, continues its mission of responsible innovation. In 2024, the group achieved sales of €21.6 billion and employs nearly 47,000 people worldwide. Its commitment to sustainability and its integrated approach, combining technical expertise and environmental awareness, make it a key player in industrial developments.

www.next.henkel-adhesives.com

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packaging-mag.com



MAGAZINES and WEB PORTALS
focused on PACKAGING
technology for FOOD
and NON-FOOD industry



MAGAZINES AND MORE

THE FUTURE OF PHARMACEUTICAL PACKAGING: BETWEEN SUSTAINABILITY, HIGH TECH AND GLOBAL MARKET PRESSURE

The pharmaceutical industry is one of the most innovative and biggest-selling sectors in the world. In 2024, the European pharmaceutical market generated sales of around 280 billion US dollars. In Germany alone, sales in the first quarter of 2025 totalled around 16.6 billion euros, making the country the largest pharmaceutical market in Europe and the fourth largest in the world. Alongside this, packaging technology is becoming more important: it is not only a means of safely storing and transporting medicines, but is also a key issue where sustainability is concerned.

When it comes to packaging, regulation plays a central role in the pharmaceutical industry; the Packaging & Packaging Waste Regulation (PPWR) is going to concern the pharmaceutical and medical technology sector, too,

in the long term. Although the regulation does not initially apply to the packaging of medical products and pharmaceuticals – transitional periods apply here until 2035 and 2040, respectively – the industry needs to take action now. The intensity with which it is already working on solutions will also be evident at interpack 2026 – from recyclable blister materials to digitalised production lines.

Recyclable materials for pharmaceutical products

More attention is therefore being paid to sustainability. Some solutions – such as reusable and refillable packaging – will be difficult to realise for pharmaceuticals, as will the use of recyclates, which is subject to strict regulatory limits. In the area of primary packaging, however, packaging and film manufacturers have already developed a range of sustainable alternatives in recent years,



Recyclable packaging materials are still not available for many pharmaceutical products. (Image: AI-generated)

for example for standard blister packs made of PVC and aluminium. Initial solutions are already on the market: moulded film and lidding film are made of PET or PP, or even paper-based materials with a barrier.

In a joint project, four packaging companies have developed a polypropylene pharmaceutical blister pack that meets the strict requirements of the pharmaceutical industry. The material from PP blister film manufacturer Etimex was tested and optimised for practical suitability under realistic conditions on a modern blister machine from interpack exhibitor Uhlmann Pac-Systeme.

Many machine manufacturers have been busy focussing on the processing of sustainable packaging materials. Romaco produces blister packs made of recyclable PET monomaterial on its new Noack N 760 plate sealing machine. It achieves a maximum output of up to 150 blisters per minute when producing PET/PET blisters in four-lane operation. The universally applicable intermittent blister machine is suitable for packaging a very wide range of products, from solid dosage forms, ampoules and medical products through to semi-solid forms.



Steriline combines robotics with a 3D vision system. (Image: Steriline)



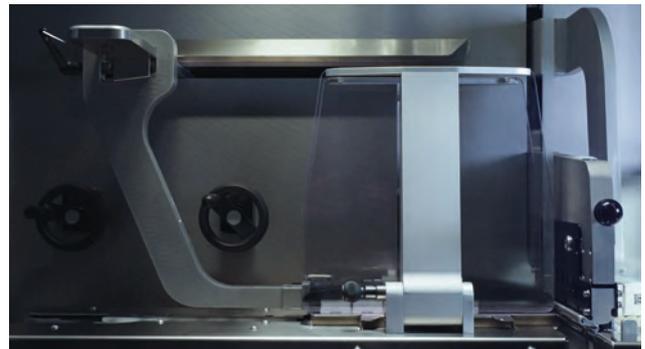
Four packaging companies, including Uhlmann Pac-Systeme, have jointly developed sustainable pharmaceutical blister packaging made from monomaterial. (Image: Etimex)

Digitalisation and robotics in the pharmaceutical process

The latest machine developments are characterised by modularity, automation and robotics. Many of these technologies were first presented to a wide audience of professionals at interpack and have been shaping production processes ever since.

Steriline technology ensures safe primary packaging for sensitive medicines. The company combines robotics with a 3D vision system (3D CPS) to reduce particle emissions and enable flexible, low-contamination production processes.

The system recognises objects in the work area and adjusts its movements in real time, allowing for the replacement of conventional feeding systems such as hoppers or vibrating bowls. The 3D CPS was developed together with ISS – Innovative Security Solutions, a spin-off of the Politecnico di Milano. With this collaboration, the two companies aim to combine pharmaceutical process expertise with state-of-the-art robotics and image processing.



The patented FilmTeq sealing system seals gently from above. (Image: Christ Packing System)

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Christ Packing Systems is also focussing on innovation. The Ottobeuren-based company has been granted a patent for a new type of sealing unit developed specifically for the requirements of the pharmaceutical and medical technology sectors. Unlike conventional machines, which seal from below, the FilmTeq 250 seals from above. According to the manufacturer, this means that the sealing table remains unheated, which prevents the product from heating up and reduces the amount of cooling required. The top-down process also enables a more compact machine design with a smaller footprint.

Mechanical engineering companies such as Syntegon benefit greatly from the dynamics of the pharmaceutical market. In 2024, the company achieved record results driven by the increasing demand for complete aseptic solutions. This year, the system provider presented a new line concept for liquid pharmaceuticals, which was developed together with two partners from the pharmaceutical industry. SynTiso ensures faster aseptic transportation and up to 50 per cent shorter batch changes in a smaller space. With 100 per cent in-process control, up to 600 syringes, vials or cartridges can be processed per minute – a speed never before seen on the market, according to Syntegon. This is an important factor in vaccine production, among other manufacturing processes. The system is also suitable for filling ready-to-use (RTU) containers.

Smart packaging: from NFC to functional labels

In addition to the ecological dimension, digital and functional added value continue to take centre stage. Packaging is increasingly being equipped with RFID chips, NFC labels and battery-free Bluetooth sensors to obtain real-time data on the location, temperature or condition of the packaging. Smart blisters can do even more: their sensors register the removal of individual tablets and thus record the dosing times. Security labels such as Securikett’s paper-based VOID labels offer important and sustainable tamper protection. In addition to tamper protection, they can be recycled together with the folding box they seal. Using electronic package leaflets not only saves paper, but also makes it easier for consumers to access information.

interpack 2026 will once again showcase customised solutions and innovative concepts along the entire pharmaceutical packaging value chain.

One thing is certain: companies that invest in research, a digital infrastructure and recyclable materials today will secure competitive advantages in the long term. In future, it will be less about the active ingredient itself and more about how safely, sustainably and intelligently a medicine reaches the patient.

www.interpack.com



SynTiso enables rapid aseptic transportation.
(Image: Syntegon)



Paper-based VOID labels offer tamper protection and are recyclable.
(Image: Securikett)

 **interpack**
PROCESSING & PACKAGING



FIORINI INTERNATIONAL: THE PARTNER FOR SUSTAINABLE PAPER PACKAGING SOLUTIONS

Fiorini International produces small and medium paper bags for international customers in the human food and pet food industry, agriculture, chemical industry, hygiene and personal care segments and for global leaders in large-scale distribution: a range of products and finishes that supplies a flexible solution to every need.

Achieving excellence by focusing on the continuous improvement of quality of products, services and processes and designing a sustainable production model to ensure environmental and human respect are the main values that drive the definition of the strategies and everyday actions.

A constant consolidation of the market share and the new challenging opportunities in the packaging industry have been the main drivers for Fiorini International to become a strategic partner in the Drive to Paper process and in the design of sustainable packaging solutions, fully and easily recyclable, compliant with existing filling technologies, according to the European directives.

In order to measure and evaluate sustainability and performance and design the path for a sustainable development, Fiorini International has started its sustainability performance assessment with a series of activities focused on minimising environmental impact and to creating awareness of sustainability culture, offering solutions

and answers to the community and engaging the entire company network, supporting by a strategic scientific partner Università Milano Bicocca and Toroto, a leading environmental company.

The company commitment to sustainability development has been awarded with the Leader in Sustainability 2023 award: the important acknowledgement is the result of a research by Il Sole 24 Ore and Statista that examined about 1,500 Italian companies based on 45 key sustainability environmental, social and economic indicators.

The continuous analysis of trends and consumer habits, and the ongoing research into technological solutions and innovative materials have aided an organic and rapid growth in the packaging industry, leading the company to successfully diversify production, while firmly maintaining the eco-friendly commitment to the exclusive use of paper, FSC certified in compliance with the forest chain of custody and ecosystem.

Made up of 2 manufacturing companies, located in Italy and the Czech Republic, and 2 trading companies operating in France and China, Fiorini International stands out as a worldwide production, commercial and logistic network.

www.fiorinint.com

FIORINI INTERNATIONAL

PAPER SUSTAINABLE
packaging

Logos: FSC, Recycled, ecoVadis, Sedex, ISO 9001, ISO 14001, BRGS, Packaging Materials, and others.



PROTECTING YOUR PRODUCTS SINCE 1991

It was 1991 when Walter, Maria Grazia, and Davide started and shaped their project of manufacturing beehives and separators. Back then, the idea of offering the market that particular support for protecting products being shipped worldwide wasn't very widespread, but it immediately received a positive response.

From that moment, the three pioneers made investments and innovations to stay one step ahead, creating a well-organized structure with technologies and machinery and ensuring quick and customized responses to their customers. Today, L'Alveare, considered a leading company in the production and delivery of tensioned and corrugated





cardboard packaging products, relies on highly experienced collaborators, an always updated machine park, the ability to work with various sizes, and the availability of its own means for direct deliveries. Sustainability, environmental attention, and organizational efficiency are at the core of the company's philosophy, in addition to being the basis for the quality of the

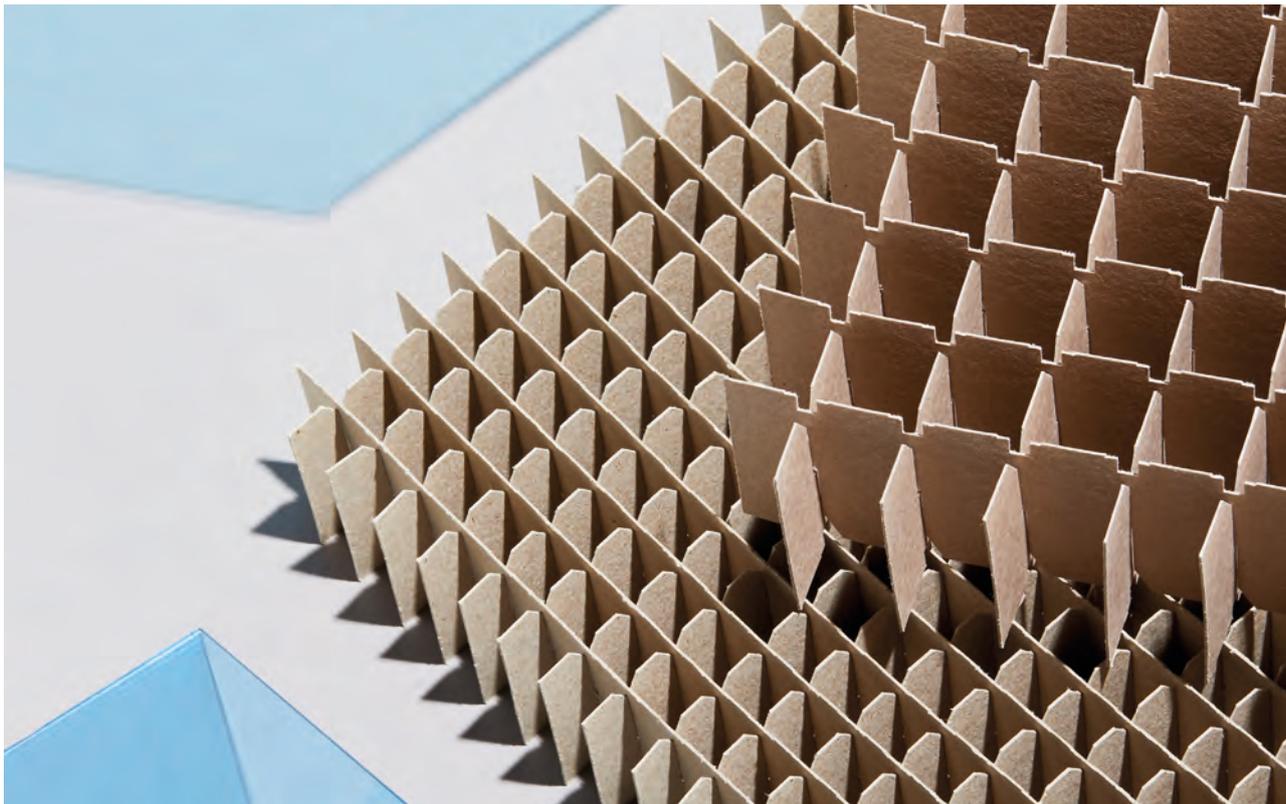
offering, with the awareness that dealing with fragility and responding to the need to "protect" means thinking thoroughly about preserving every creation of humankind.

The use of recycled and recyclable cardboard allows customers to reduce the carbon footprint of their products, support-



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ing the image of a sustainable company, which is increasingly demanded by the market and consumers.

Solutions of every complexity and size are available for different categories of clients, including the Beverage Sector (separators and beehives for wine, spirits, beverages, and wa-

ter bottles), Glassware Sector (for glass bottle and container manufacturers, up to a maximum size of 1250 mm), Mechanical and Mechatronics Sector, as well as the Pharmaceutical/ Cosmetic Sector.

www.alveare.com



DIGITAL LINK UNVEILS THE FIRST CONVERSATIONAL PRODUCT PACKAGING

powered by AI that lets consumers speak directly to their products

At Labelexpo 2025, Digital Link Co-founder & CEO Paula Rivero just declared the end of packaging as we know it. From this moment forward, every product can become a living, speaking presence in the consumer’s life. Not with an app or a manual, but with a simple scan and conversation.

Rivero revealed the world’s first AI-powered product assistant in a live demonstration that left the audience buzzing. By embedding conversational intelligence into a next-generation QR code, packaging now does more than comply with regulations or share static information: it answers back.

“For the first time, a product can respond when you ask it a question,” said Paula Rivero. “This is not a gimmick. This is packaging becoming a voice, an ambassador that speaks for the brand, and listens to the consumer.”

The rise of conversational packaging

Packaging has been a silent messenger for decades, limited to what could be printed on a label. The unveiling at The Pulse stage, Fira Gran Via, Barcelona, marks a shift from passive to interactive, from one-way to two-way.

In one demo, Paula Rivero scanned a face cream pack and asked Cleo, the Digital Link assistant, if it was safe to use for a pregnant woman. Cleo replied with tailored suggestions and recommendations. In another, a gin bottle was asked about cocktails, resulting in a series of recipes and instructions.

Riding the wave of AI and transparency

The launch comes at a time when consumers demand instant clarity and regulators worldwide push for radical transparency. By merging GS1 Digital Link standards with conversational AI, Digital Link positions packaging at the intersection of compliance and innovation:

- **Transparency:** Consumers get trustworthy, real-time answers about ingredients, allergens, safety, or sustainability.

With a single QR code scan, consumers can now ask products any questions, marking the rise of conversational packaging

- **Agentification:** Products become active digital agents, capable of dialogue and context-aware guidance.
- **Efficiency:** Brands lower support costs by automating Q&A while collecting valuable insight into consumer needs.

A radical industry shift

Industry observers described the session as one of the defining moments of Labelexpo 2025. Rivero positioned Digital Link as the architect of a new consumer reality by reframing connected packaging from a regulatory burden into a strategic advantage.

“This is the barcode’s successor,” Rivero told the audience. “From now on, products don’t just sit on shelves. They live, they listen, they respond.”

About Digital Link

Digital Link is the global platform for next-generation 2D barcodes, powering smart packaging, digital product passports, and now AI-driven consumer conversations.

With 15+ years of innovation — including the invention of dynamic QR codes in 2009 — the team behind Digital Link helps brands worldwide turn packaging into a channel for compliance, transparency, and direct consumer engagement.





LUXURY PACKAGING IN THE AGE OF SMART DESIGN

Combining exceptional craftsmanship with digital innovation, smart packaging is redefining luxury

Packaging, a new frontier for innovation in luxury goods

In the world of luxury goods, every detail counts. Long dominated by artisanal expertise, luxury packaging is now emerging as a strategic area of innovation. Leading brands seek to preserve the emotion of the gesture (folding, gilding, paper texture) while integrating invisible technologies that extend the experience beyond the object itself. The challenge is no longer just aesthetic: it is about creating consistency between tradition, authenticity and innovation. Smart packaging is thus a natural extension of modern luxury, where the soul of the product meets technological precision.

When digital technology enhances the craftsmanship of packaging

Digital innovations do not replace packaging expertise, they enhance it. Packaging artisans now collaborate with engineers, data designers and connected materials specialists. Conductive inks, NFC tags and invisible QR codes add a layer of information, storytelling or after-

sales service elements without altering the aesthetics. A bottle or box then becomes a digital passport capable of tracing the origin of the product, ensuring the traceability of raw materials and the signature of the artisan.

In the workshops, the meticulous gestures remain the same, but the purpose changes: it is no longer just a question of 'making things beautiful', but of 'making the invisible visible'.

Transparency and traceability: blockchain at the service of luxury packaging

In a context where provenance and authenticity have become essential, smart packaging meets the demand for absolute transparency.

Fashion houses, jewellers and perfumers now use blockchain to certify the origin of their creations and combat counterfeiting. Each piece of packaging becomes a living certificate, a direct link between the customer and the brand.

This new relationship of trust reinforces the value of the product and repositions packaging as a central player in the luxury value chain, from the initial design to the object's second life.



Connected packaging: an immersive and emotional experience

Beyond security and traceability, connected packaging is becoming a medium for immersive experiences. Thanks to embedded technologies, it extends the emotional link between the brand and the customer.

With a simple scan, the customer can now access exclusive content: a video of the master craftsman, a virtual tour of the workshop, or even a playlist designed to accompany the opening of the box.

Long considered an accessory, packaging (and by extension, unpacking) is becoming a ritual, and technology is enhancing its magic. Here, digitalisation is not a gimmick: it serves to tell a story and pass on a heritage.

Responsible luxury: packaging in the era of 'low tech premium'

The rise of smart packaging goes hand in hand with an ecological imperative. Luxury can no longer afford to outbid itself in terms of materials. Innovations are moving towards recyclable, bio-based or biodegradable

materials, incorporating discreet sensors or smart inks without compromising recyclability.

Eco-design is combined here with high-precision technology: connected solutions are integrated into lightweight structures, often produced locally. This is the era of 'low tech premium' – conscious, understated and intelligent luxury.

An industry in transition

This transformation is profoundly changing the luxury packaging industry. Traditional suppliers are now collaborating with technology start-ups, research laboratories and experimental design studios. Major luxury groups are creating their own innovation hubs, where artisans rub shoulders with data scientists. Packaging is becoming a strategic pillar of differentiation, a vehicle for storytelling and responsibility. This convergence between technology and tradition is reshaping the entire value chain: design, production,

logistics, recycling and customer relations. Luxury product packaging, once a symbol of timelessness, is now pioneering sustainable modernity.



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PACKAGING CEASES TO BE PHYSICAL

how AI and Digital Twins are revolutionizing R&D

For decades, new packaging development was an empirical process: design, physical prototyping, lab testing, failure, and repetition. It was a cycle costly in both time and materials. Today, this paradigm is being overturned by virtualization. Packaging design is shifting from the physical lab to the digital twin, with Artificial Intelligence as its computational engine.

This revolution is happening on three levels.

The first is structural simulation. Using Finite Element Analysis (FEA), engineers can now virtually validate the mechanical performance of a bottle or box before it exists. They simulate drop tests, transport stress,

vertical compression strength (stacking/top-load), and even deformation during hot-fill processes. This allows for aggressive light-weighting, optimized to the microgram, reducing raw material use without compromising stability.



By the editorial staff



All images: pexels.com



The second level is process and barrier simulation. Using Computational Fluid Dynamics (CFD), it is possible to optimize a container's design for filling (e.g., eliminating the "glugging" effect or foaming) or simulate the barrier performance (OTR/WVTR) of a new polymer or coating, shortening shelf-life tests that would otherwise take months.

The third and most advanced level is material informatics. Here, AI doesn't just validate a design; it helps create it. By inputting desired parameters (e.g., stiffness, transparency, oxygen barrier, recyclability), machine learning models can analyze polymer databases and propose entirely new chemical formulations or lamination structures, optimized for a specific purpose.

The impact on time-to-market is disruptive. The ability to virtually test thousands of iterations in a matter of hours is transforming packaging from a manufacturing industry into a data-driven one. The true competitive advantage no longer lies just in the extrusion plant, but in the algorithm that designed it.



CORTEC® EXPANDS SUSTAINABLE PACKAGING OPTIONS WITH NEW ECOBIO™ BARRIER PAPER



Cortec's barrier paper portfolio just got more sustainable! Industries looking for environmentally responsible options in the area of barrier packaging should take a closer look at the new EcoBio™ Barrier Paper, a premium recyclable, repulpable, biodegradable barrier paper designed with the "circular economy" in mind.

Sustainability from Start to Finish

EcoBio™ Barrier Paper starts the product life cycle as 100% recycled paper stock coated with a biobased (90-100% renewable organic carbon per ASTM D6866) and biodegradable (per OECD 301) barrier coating. In contrast to traditional barrier packaging that relies on polyethylene or foil to create a barrier, EcoBio™ Barrier Paper has no intentionally added plastics (or PFAS or fluoro-



chemicals) to hinder recycling or biodegradation. Similar to EcoShield® Recyclable Barrier Paper, EcoBio™ Barrier Paper can be recycled through normal paper recycling streams instead of ending up in the landfill. However, EcoBio™ Barrier Paper goes a step further with its biodegradable, biobased coating that has the potential to open even more sustainable end of life options depending on local regulations. Most importantly, EcoBio™ Barrier Paper tackles moisture and grease resistance without the risk of plastic or foil pollution.

Who Needs Barrier Packaging?

EcoBio™ Barrier Paper and Linerboard can be used in a variety of short-term packaging applications where moisture or grease is a concern. The barrier serves several purposes:

- 1) Discourage moisture from entering or exiting the package
- 2) Avoid grease or oil seepage
- 3) Maintain packaging integrity in the presence of moisture or grease

Wrapping items in EcoBio™ Barrier Paper can help keep them dry as shipments pass through unpredictable environments with fluctuating humidity and weather patterns.





meet your sustainability goals, contact Cortec® to learn more about EcoBio™ Barrier Paper and Linerboard and other full circle packaging options.

Keywords: Cortec, sustainable packaging, EcoBio, barrier paper, biodegradable barrier paper, recyclable barrier paper, moisture resistance, fight plastic pollution, eco-friendly alternative to plastic packaging, biodegradable packaging for moisture-sensitive products

*Note: Grease contamination may interfere with sustainable disposal options. Check local regulations first.

www.cortecvci.com

Similarly, EcoBio™ Barrier Paper (also available as linerboard) can be used to line wooden crates or cardboard boxes (which have a tendency to absorb moisture), thus keeping goods out of direct contact with the potentially damp walls of the package.

Conversely, EcoBio™ Barrier Paper can be used to keep moisture or grease from leaching out of the package when, for example, metal auto parts are lightly coated with oils that could soak through and break normal paper.*

Completing the Circle

As the world of sustainable packaging solutions continues to expand, Cortec® remains a leader in developing industrial packaging options that address the beginning and end of the life cycle. If your company is ready to invest in circular economy packaging options like these to

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies

for packaging, metalworking, construction, electronics, water treatment, oil & gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures

over 400 products distributed worldwide. ISO 9001:2015 and ISO 14001:2015 certified.



FOOD AFRICA AT 10 WITH PACPROCESS MEA, THE REGION'S LEADING FAIR

Bigger, more international and more motivating than ever: in December 2025, the interpack alliance trade fair duo will be inviting visitors to a very special edition in Cairo. With the tenth anniversary of Food Africa, growing international participation and diverse business impulses, the event together with a strong pacprocess MEA promises to be a real highlight in the international trade fair calendar.

There is much to celebrate at this year's Food Africa and pacprocess MEA – and even more potential to reap. On 9 –12 December 2025, participants can look forward to an exhibition at the Egypt International Exhibition Center in Cairo that will focus on the African market with a strong impetus, international contacts and multifarious business opportunities. What is, today, the most

important platform for the food and packaging industry on the continent and in the MEA region is organised by Messe Düsseldorf, together with local partners IFP Group and Konzept.

A special highlight this year is the tenth anniversary of Food Africa. What began as a regional trade fair in 2015 has, within a decade, established itself as the leading trade platform for the food and beverage industry in Africa. Today, it is the meeting place for international key players, exporters, buyers and political parties who drive innovation, trade and partnership in the region.

The sixth edition of pacprocess MEA will be taking place parallel to Food Africa. As part of the interpack alliance, it is firmly anchored in a global network and has developed





into the leading marketplace for processing, packaging and printing technologies and packaging materials in the region.

Beyond the food and beverage industry, international buyers from other user industries such as pharmaceuticals and cosmetics are also reached.

Focus on business and international cooperation

The figures speak for themselves: both events are already almost fully booked – with significantly more international exhibitors and newcomers than ever before, totalling over 1,000 exhibitors from 35 nations. Visitors from fast-growing markets such as Nigeria, Kenya and South Africa are specifically targeted in order to strengthen dialogue across the entire continent.

The strong business orientation is supported by the Hosted Buyers programme, which last year brought over 500 buyers from 70 countries to Cairo. The B2B matchmaking platform also promotes business: in 2024, over 5,500 meetings were arranged in this way. Both trade fairs also offer a conference programme with key players from the industry.

Multipliers such as the World Packaging Organisation (WPO), the United Nations Industrial Development Organisation (UNIDO), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the VDMA Food Processing and Packaging Machinery Association

are involved. Both events profit from support by local businesses, public authorities, associations and Egyptian governmental organisations. This also applies to the German Federal ministries, which support exhibitors on behalf of the German government and offer them the opportunity to present themselves at the German pavilion. Further international pavilions are planned for Turkey, Jordan and China as part of pacprocess MEA.

Exhibitors can also learn more at
www.foodafrica-expo.com
www.pacprocess-mea.com

SECTORS

-  EXHIBITION
-  PACKAGING
-  FOOD





THE EVOLUTION OF MACHINERY IN THE COSMETICS INDUSTRY: FUNDAMENTALS, DIGITAL TECHNOLOGY, AND SUSTAINABILITY

by Deanna Utroske

“Industry 4.0” refers to the targeted integration between the digital and physical dimensions—an approach set to profoundly transform manufacturing processes. At the same time, well-established production technologies, which have ensured reliability and continuity over the years, continue to play a central role.

From expert insights emerge concrete examples of this evolution: from advanced automation to digital solutions, up to the growing commitment to combining technological innovation with environmental sustainability.

Established manufacturing technologies remain essential

Core technologies remain crucial and are progressing alongside emerging ones. Machinery needs in the cosmetics, personal care, and fragrance industry are distinctive from those of other industries, which is why technologies and equipment that work well and meet those needs are in-demand for years or even decades after being introduced to the market.

“Liquid filling, in particular, is an area where **Marchesini Group Beauty** is seeing strong demand,” according to **Lorenzo Gatti**, that company’s **Sales Director**, who goes on to clarify that “among the most frequent requests we hear from cosmetics companies, one word stands out: fragrance. Not just as a product, but as an experience to be crafted with care.” “Our experience tells us the market is buzzing, and fragrances are quickly becoming the stars of new production lines,” says Gatti. Another good example of the importance of core capabilities even during the transition to Industry 4.0 are lipstick molding machines from Citus Kalix, which have long been an industry staple. As **Filiberto Cacciari**, **Head of Customer Service and Marketing at Citus Kalix and ADMV** reminds us, the company “[invented]... silicone technology for lipstick molding.” And he says, when machines from their CRLA Range are “combined with our silicone molds, they deliver perfect finishes and

offer broad customization possibilities.” He also highlights the value of packaging machinery that is “specially designed to run even the most delicate cartons with careful handling” and how the company has innovated in this space to solve a challenge in fragrance packaging: “the KP600 Liner EVO,” says Cacciari, “was developed in response to the specific demands of the perfumery market. It combines our KP600 EVO cartoning machine with a protective liner module, ensuring maximum product security and flawless presentation. This solution addresses the critical need to protect high-end fragrance products during distribution. By integrating cartoning and liner application in one streamlined process, the KP600 Liner EVO increases efficiency, reliability, and quality assurance for luxury packaging.”

Recent news from equipment makers reminds us that Citus Kalix isn’t alone in helping move reliable manufacturing solutions into tomorrow. US-based **FlackTek** specializes in industrial technology premised on the physics of centrifugal acceleration. The company’s machinery is used in multiple industries to mix, disperse, homogenize, mill, de-gas, and more. And in July of this year, FlackTech introduced a 50kg version of its patented, dual-asymmetric centrifuge machine design.

In his comments to the press, CEO Matt Gross said that the new machine (now part of the company’s range of equipment that accommodates volumes from 200g through to 300kg), “is about more than capacity; it’s about flexibility. We’re committed to giving our customers more options to scale with speed, precision, and confidence. The 50kg system is another step in our mission to support agile, end-to-end production without compromise.”

Where digital technology and environmental sustainability intersect

Regardless of how traditional or transformative manufacturing technology is, environmental sustainability is a cosmetics industry priority. And





machinery makers play an important role in this regard. “The two biggest forces shaping our sector today are sustainability and digitalization,” says Filiberto Cacciari, Head of Customer Service and Marketing at Citus Kalix and ADMV. And **Stefania Chen of Wish-Tech** makes a similar observation saying, “automation works best when aligned with fast- changing consumer demands such as customization and sustainability.”

Cacciari explains further saying, “in recent years,” Citus Kalix has “seen a growing demand for sustainable and eco-friendly packaging, both in primary and secondary formats. Brands are increasingly interested in materials that are recyclable, lightweight, or sourced from renewable origins.

At the same time, luxury and premium packaging remain essential for high-end beauty, with protective features gaining importance especially for fragrances and skincare.”

With that in mind, **Coesia Group** (which owns Citus Kalix) implemented what it calls a “GREENMATION strategy... a production revolution that combines automation with eco-friendly solutions helping beauty brands stay efficient, cost-effective, and sustainable.”

Lorenzo Gatti of Marchesini Group Beauty shares a recent example of how that company also is supporting manufacturers’ sustainability endeavors. “The cosmetics and pharmaceutical industries have been steadily converging in recent years.... More and more cosmetics companies are expanding their product lines with personal care offerings in the form of food supplements,” observes Gatti when asked about the beauty-from-within

movement. And he goes on to tell me that “among the latest projects we’re working on is a solution for a client in the nutraceutical sector, with whom we’ve collaborated to support the transition from plastic trays to paper ones.”

“Switching from plastic to paper trays offers several advantages in terms of environmental sustainability, especially when it comes to transport efficiency.” Though changing materials involves a degree of complexity. “It’s a process,” says, Gatti, “that requires careful study and expertise—including [expertise] in robotics.... Our Group is able to offer tailored solutions for the nutraceutical industry, which sits at the intersection of pharma and beauty.”

And he proudly shares that “having an in-house team dedicated to designing paper trays is definitely a plus, as it allows us to carry out an in-depth analysis of the customer’s needs and propose the right solution, not only in terms of cost savings, but also in terms of product machinability.”

Cosmetics Industry 4.0 has not yet fully arrived. But change is underway; and machinery makers— including Marchesini Group Beauty, Citus Kalix, and Wish-Tech— continue to innovate, merging digital and physical capabilities to support cosmetics, personal care, and fragrance companies in meeting their strategic imperatives.

At Cosmopack, the world of machinery, automation, and technological innovation has always taken center stage. With a constant focus on the most advanced solutions, the event stands as a benchmark for those looking toward the future of cosmetics.



THE TRUE COST OF FILLING EQUIPMENT

Why Upfront Savings Can Lead to Long-Term Losses & How to Choose the Right Supplier

When manufacturers invest in filling equipment, the decision often comes down to price. However, focusing solely on upfront costs can lead to significant long-term expenses that outweigh the initial cost savings. Total Cost of Ownership (TCO) is the true measure of value, encompassing factors such as maintenance, downtime, energy efficiency, and overall productivity. Understanding TCO and selecting the right supplier can make the difference between a high-

performing, cost-effective production line and a costly operational headache.

The True Cost of Ownership: Understanding Hidden Expenses

Total Cost of Ownership (TCO) is a comprehensive calculation that reveals what a piece of equipment will truly cost over its entire lifespan. While low-cost filling machines may seem appealing at first, their hidden



ProSys Fill designs its filling machines with efficiency, durability, and cost-effectiveness in mind.

expenses can quickly outweigh the initial savings. Frequent repairs and maintenance are common with lower-end machines, which often rely on cheap materials and poorly designed components.

These machines tend to break down more frequently, leading to costly servicing, extended downtime, and increased labor expenses.

Every minute of unplanned downtime can disrupt production schedules, delay shipments, and ultimately reduce revenue.

In addition to maintenance concerns, low-end machines are often energy-inefficient, consuming excessive power and driving up utility bills.

These systems typically lack energy-saving features found in premium equipment, resulting in unnecessarily high operational costs over time. Product waste is another significant drawback — inaccurate filling machines risk

overflowing, which reduces profitability, or underfilling, which can trigger costly rework, compliance violations, or even product recalls.

Labor costs can also rise with lower-end equipment. Machines that require frequent manual adjustments, recalibrations, or operator intervention slow production and increase the demand for training.

Compounding these issues, budget equipment may fail to meet strict regulatory standards in industries like pharmaceuticals, cosmetics, and food, putting businesses at risk of legal repercussions, fines, and damaged brand reputation.

By prioritizing TCO over upfront cost, manufacturers can make informed purchasing decisions that contribute to greater profitability, efficiency, and long-term success. Investing in well-built equipment reduces unexpected expenses, streamlines operations, and ensures better financial stability in the years to come.



ProSys Fill offers comprehensive after-sales support, including readily available spare parts, remote diagnostics and troubleshooting, on-site service technicians, and operator training programs.



What to Look for in a Filling Equipment Supplier

Investing in high-quality filling equipment is just one part of the equation. Choosing the right supplier ensures that your investment delivers lasting value.

A reputable supplier should provide machines made from durable, corrosion-resistant materials, such as stainless steel, ensuring long-lasting performance with minimal maintenance.

The supplier should also prioritize Total Cost of Ownership (TCO) transparency, helping buyers understand long-term expenses such as maintenance schedules, expected lifespan, energy efficiency, and operational costs. If a supplier focuses solely on upfront pricing, it's a red flag that they may not be considering the full financial picture. Industry experience is another critical factor. Not all filling equipment suppliers are equal, and selecting one with expertise in your specific industry—whether it's adhesives and sealants, pharmaceuticals, cosmetics, or food production—ensures they understand the unique challenges and compliance requirements of your market. The ability to customize solutions is equally important. One-size-fits-all equipment rarely works in filling operations, so a good supplier should offer customization options that align with your production needs, container types, and product viscosities.

Beyond the equipment itself, after-sales support and service play a crucial role in ensuring long-term value. The best suppliers offer comprehensive after-sales support, including readily available spare parts, remote diagnostics and troubleshooting, on-site service technicians, and operator training programs.

Additionally, modern filling equipment should integrate automation features such as real-time monitoring, predictive maintenance, and quick changeover capabilities. These advancements reduce labor costs, increase accuracy, and improve overall efficiency.

Compliance with regulatory standards cannot be overlooked. Ensuring the supplier's equipment meets industry regulations, such as FDA, GMP, and ISO certifications, minimizes legal risks and ensures product consistency. Lastly, businesses should consider scalability when selecting a supplier. Production needs evolve over time, and modular equipment that can scale with business growth is far more valuable than a system requiring full replacement as demand increases.

Making the Smart Investment

Investing in filling equipment is a significant financial decision, and cutting corners on upfront costs can lead to

major financial losses down the road. By understanding Total Cost of Ownership and choosing a supplier that prioritizes quality, reliability, and long-term value, manufacturers can ensure they make a smart, future-proof investment.

ProSys Fill designs its filling machines with efficiency, durability, and cost-effectiveness in mind.

The company's commitment to high-quality materials, precision engineering, and strong customer support ensures that their equipment provides a superior return on investment. ProSys Fill machines are designed for:

- Long-Term Durability – Built with corrosion-resistant materials to withstand heavy use and frequent cleaning.
- Precision Filling – Reducing waste and ensuring compliance with industry regulations.
- Automation and Efficiency – Advanced technology that minimizes downtime and maximizes throughput.
- Customization Options – Machines tailored to specific industry needs and production requirements.
- Comprehensive Support – Readily available parts, training programs, and nationwide service technicians.

By partnering with a supplier that meets these comprehensive needs, manufacturers can confidently invest in filling equipment that not only meets their immediate needs but also delivers long-term cost savings and operational efficiency. When evaluating filling equipment, ask yourself: Will this machine save me money over time, or will it cost me more in maintenance, downtime, and inefficiencies? The answer to that question should guide your purchasing decision—because when it comes to filling equipment, the cheapest option is often the most expensive in the long run.

SECTORS

-  **FOOD & BEVERAGE**
-  **COSMETICS**
-  **PHARMA**



TIPA UNVEILS ADVANCED HOME COMPOSTABLE HIGH-BARRIER FILM FOR SUSTAINABLE SNACK PACKAGING

TIPA, a global pioneer in compostable packaging innovation, is launching an advanced home compostable high-barrier film for laminated savory snack and crisp packaging. The solution addresses critical challenges in eco-conscious packaging for crisps and salty snacks, offering enhanced functionality and durability.

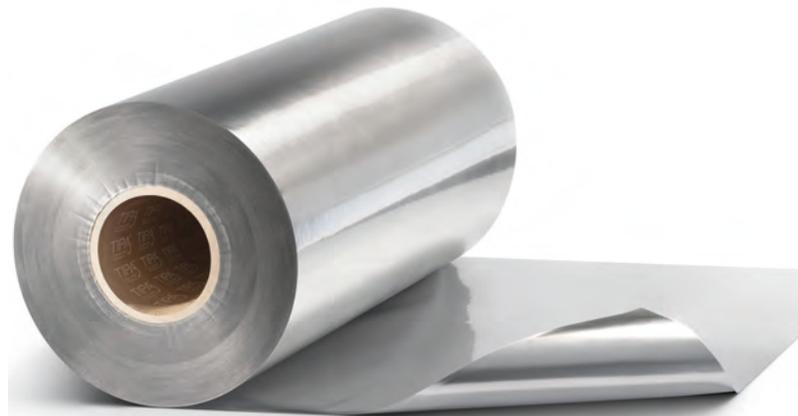
This unveiling coincides with growing demand for sustainable snack packaging as the global market for chips and crisps is due to significantly grow in the next five years.

The 312MET Premium film is a lightweight, ultra-thin metallized solution designed for high barrier protection against salt, oil, and moisture—traditional challenges for compostable snack packaging. These barrier properties eliminate the need for an additional sealing layer, making it highly efficient for converting and versatile for various applications. This film is available globally for purchase in reels and when paired with cellulose or paper layers, it makes one of the market’s thinnest 2-ply home compostable solutions for crisps, chips, and snacks.

Suitable for packaging crisps, chips, snacks, granola bars, grains, coffee, and tea, the film offers exceptional freshness and extended shelf life while maintaining an eco-friendly end-of-life.

“Packaging crisps in compostable materials has long been a formidable challenge due to their corrosive properties,” said Gary Tee, VP Global Converting at TIPA.

“With the improvements to our high-barrier film, we’re taking a significant step forward in reducing plastic waste



while ensuring snack brands and consumers have a viable, thin, high-performance sustainable option.”

This move underscores TIPA’s commitment to combating the mounting plastic waste crisis.

With crisps packaging making up a significant portion of non-recycled waste, TIPA’s solution aims to pave the way for brands to shift toward truly circular and environmentally responsible packaging alternatives.



SECTORS

 **FOOD**



PPWR: THE NEW EUROPEAN PACKAGING REGULATION TRANSFORMING THE FOOD INDUSTRY

From product manufacturers to machinery and film suppliers, all stakeholders across the value chain must adapt to a more demanding legal framework focused on sustainability, circularity, and reducing environmental impact.

From product manufacturers to machinery and film suppliers, all stakeholders across the value chain must adapt to a more demanding legal framework focused on sustainability, circularity, and reducing environmental impact.

The new **Packaging and Packaging Waste Regulation (PPWR)**, promoted by the European Commission and in force since 11 February, is not just a regulatory evolution – it represents a structural transformation that will impact the entire packaging value chain. How does this affect the food industry?

1. Redesign of formats and materials

The regulation will restrict or prohibit certain types of packaging widely used today: Non-recyclable multilayer films.



“Over-packaging” formats in single-dose or secondary packs. Single-use plastic packaging for food and beverages in the HORECA channel to be consumed in the premises. This compels food manufacturers to adapt the materials and structures used in their packaging.

2. Effective recyclability and mandatory recycled content

The regulation establishes that by 2030, all packaging must be designed for recycling and by 2035 all packaging shall be recycled at scale. It also sets for 2030 mandatory minimum percentages of recycled plastic content for both food and non-food applications (for example, rPET in trays).

This requirement directly impacts packaging design and film selection, with both technical (transparency, sealability) and economic implications.

3. Reuse obligations in specific channels

The PPWR will introduce minimum reuse quotas in sectors such as foodservice, delivery, and beverages. It will also promote the use of refillable or returnable packaging in retail, especially for bulk or fresh products.

For many food brands, this might mean developing two parallel packaging systems: one for the traditional disposable/recyclable channel and another for a new reusable packaging model.

4. Uniform labelling and mandatory eco-design

All packaging will require harmonised labelling across the EU clearly indicating: How to recycle the packaging. What material it is made from.

Whether it complies with eco-design or reuse criteria. This will affect the relationship between brands and consumers and will require complete traceability of materials and formats.

Opportunities to stay ahead

While the PPWR presents clear challenges, it also opens major opportunities for companies that invest in innovation and proactively adapt to the new regulation:

Competitive advantage in retail and export: distributors and major international operators prioritise suppliers with sustainable, innovative, and certified packaging solutions.

Efficiency and weight reduction: by reducing packaging weight and adapting lines to recyclable materials, your company will be better prepared for future challenges in the sector.

Technological acceleration: the PPWR is driving investment in versatile, connected machinery designed to work with sustainable films, change formats easily, and capture key data for reporting and traceability.

ULMA solutions to lead the change

At **ULMA Packaging**, we have been developing technologies that already address PPWR requirements: **Tray sealers** for paper-based trays (LeafSkin™), plastic-reduced tray formats (R-Skin™), and recyclable or cardboard solutions.

Thermoformers with technologies such as Eco Form™ and Better Form™ to reduce plastic consumption, and Better Seal™ to ensure sealing performance with mono-materials.

Flow Pack lines with Better-Seal™ technology for mono-material packaging and trayless formats, reducing plastic use by up to 70%.

Vertical packaging with Plus-Cut™ technology, which lowers film consumption and improves efficiency.

Conclusion

The European PPWR is transforming how the food industry conceives and uses packaging. Not adapting is no longer an option. Companies that lead this transition with efficient, sustainable, and technology-driven solutions will gain a competitive edge in the new regulatory and market landscape.

Are you ready for the change?

At ULMA Packaging, we help you face this new stage with the technology, expertise, and proximity it demands.

www.ulmapackaging.com

SECTORS

-  **PACKAGING**
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-  **PHARMACEUTICAL**



VETROPACK OPENS FULLY AUTOMATED WAREHOUSE IN BOFFALORA SOPRA TICINO

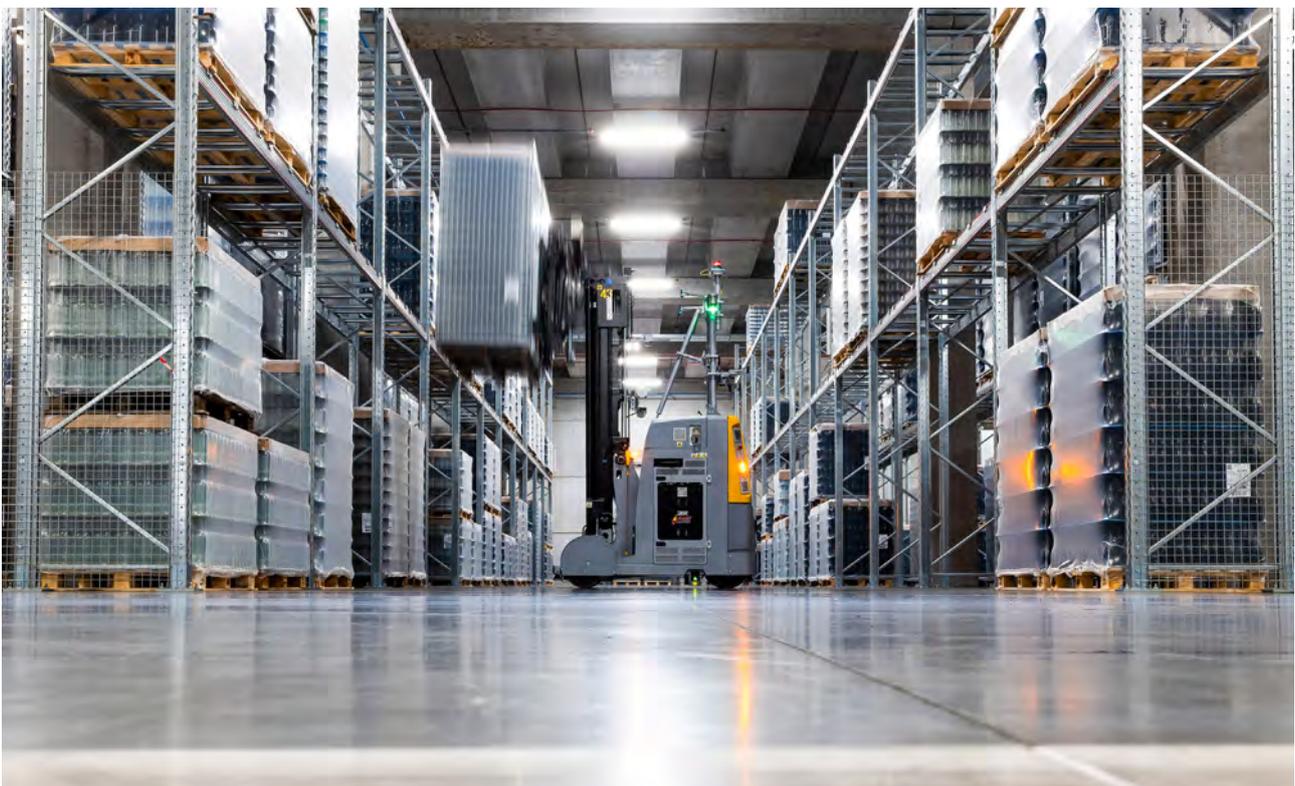
It is a glimpse into the future: Vetropack, one of Europe's leading glass manufacturers, is embracing the full potential of a smart factory in Italy. At its new manufacturing site in Boffalora sopra Ticino, the company operates a state-of-the-art, fully automated warehouse. Customers benefit from shorter lead times and seamless transparency.

The fully automated warehouse is equipped with state-of-the-art technology designed to optimise logistics operations at Vetropack's new site in Italy. It achieves notably higher efficiency in order processing compared to conventional or partially automated warehouses. Thanks to this new system, Vetropack Italia ensures real-time full traceability, enabling immediate responses to any deviations and significantly reduced lead times. Automation also ensures the even distribution of tasks across available resources, helping Vetropack avoid bottlenecks and ensure efficient capacity utilisation.

"In Boffalora, all processes are aligned with the latest technology," says Jaroslav Mikliš, Group Supply Chain Projects and Transformation Manager. This includes the logistics, which were planned using simulations. "In a fully automated warehouse, unnecessary movements are a thing of the past. At the same time, precise data acquisition enables us to control and monitor processes with exceptional accuracy," Jaroslav Mikliš explains further. To ensure smooth operations, the entire system can be remotely monitored.

Maximum safety, more sustainability, no waiting times

Avoiding manual intervention enhances both occupational safety and the quality of secondary packaging: The use of automation technologies and artificial intelligence prevents risky situations as well as damage to secondary packaging. The fully automated warehouse also contributes to Vetropack's sustainability goals. The entire fleet



Vetropack has commissioned a fully automated warehouse at its new 340,000 m2 Boffalora sopra Ticino plant





The system in Boffalora offers shorter lead times, end-to-end control, high operator safety, sustainability, and seamless transparency



“In Boffalora, all processes are aligned with the latest technology,” says Jaroslav Mikliš, Group Supply Chain Projects and Transformation Manager

of vehicles has been equipped with state-of-the-art, low-consumption lithium batteries, which not only reduce the charging cycle durations but also significantly improve the charging process efficiency. “Thanks to our efficient use of the entire area, we are reducing shuttle traffic to other warehouses and will hopefully soon be able to eliminate it completely,” comments Jaroslav Mikliš. The new fully automated warehouse once again exemplifies the positive impact of the ultra-modern and resource-efficient site in Italy on the entire Group.

www.vetropack.com

vetropack 



TRANSFORMING THE FOOD SUPPLY CHAIN: HOW TOSCA'S REUSABLE PACKAGING SOLUTIONS TOUCH EVERY MEAL

In a world where supply chains are the invisible life-line delivering food from farm to fork, the pressure on companies to have a compliant, food safety fit-for-purpose solution, increase efficiency, cut waste and boost sustainability has never been greater. Tosca, a global leader for 100% reusable and recyclable plastic packaging and pooling solutions, plays a crucial role in reshaping the modern food supply chain, ensuring that every meal begins with smarter logistics and ends with satisfied, sustainability-conscious consumers. From producers and processors to distributors and retailers, Tosca's solutions touch every stage of the journey, supporting safer handling, reducing waste, and helping businesses meet rising demands for performance and responsibility. In today's food supply chain, the right packaging choices are proving more essential than ever. "Tosca's mission is to eliminate waste and unlock hidden value across the supply chain," says **Jurgen Van Roy**, Vice President of Supply Chain. "From reducing packaging waste to increasing the durability and

safety of assets, our model enables businesses to operate more sustainably while enhancing their operational performance."

Safer, cleaner, smarter: packaging built for food integrity

Today's consumers care not only about what they eat but also about how it gets to their table. Transparency, traceability and sustainability are no longer optional.

Tosca's technology-driven solutions support these goals by enabling clear traceability of products and reducing food waste through more stable and hygienic load carriers.

Marco Gonzalez, Managing Director of Central Europe Downstream, notes: "Customers want to know that their food is safe and sustainably sourced. Our reusable plastic pallets and crates are not only more durable and hygienic, but also designed to prevent damage and contamination. That's critical for preserving food safety and quality."

By helping retailers eliminate food waste resulting from damaged packaging or spoil-



Jurgen Van Roy





age, Tosca plays a crucial role in meeting ESG goals and reinforcing consumer trust. Whether it's meat, dairy, produce, or packaged goods, Tosca provides customisable solutions that are aligned with each product's unique needs and handling requirements.

Driving efficiency from the ground up

Food supply chains are complex, spanning thousands of kilometres and involving multiple stakeholders. At every link, Tosca's packaging solutions provide an infrastructure that is both standardised and flexible, allowing retailers and producers to scale without compromising quality. One of the clearest benefits of Tosca's approach is its impact on logistics. By using foldable, stackable, and standardised assets, customers can significantly reduce transportation costs and maximise the use of truck space. More impressively, Tosca's pooling system slashes "empty miles" – trips where trucks return with unused capacity.

Vincent Nagels, Managing Director of Upstream, points to a real-world case: "We had a customer in Denmark sending pallets to Spain, and instead of returning those pallets empty, we now collect them locally and deliver them to another customer in Spain. This simple switch has led to a huge reduction in carbon emissions and transport costs."

Tosca's customers also benefit from improved asset visibility and inventory control. In markets such as Central Europe, where Tosca's RFID and IoT technologies are already in place, customers have access to real-time tracking data that enhances pool transparency and reduces the need for buffer stock, lowering working capital requirements. This leads to greater predictability,



Vincent Nagels

fewer surprises, and more strategic planning. From passive RFID tracking to active IoT monitoring, Tosca's asset tracking capabilities are designed to evolve with customer needs. The company continues to invest in these technologies as part of its broader commitment to smarter, more responsive supply chains.

Sustainability through circularity: Tosca's closed-loop approach

Reusable packaging is inherently sustainable, but Tosca takes it a step further by embedding circular economy principles into every layer of its business. Instead of relying on single-use packaging that ends up in landfills and drains resources, Tosca's plastic-based assets are designed for durability, and when they reach the end of their usable life, they are recycled and reborn.

"Our entire model is circular," says Jurgen Van Roy. "We collect assets, inspect them, repair if needed, and clean them thoroughly with food-approved detergents. If an asset is beyond repair, it's recycled and reintroduced into the system. No plastic is wasted, and the loop is fully closed." This closed-loop approach results in tangible environmental benefits. Tosca's pooling model reduces packaging waste, cuts down carbon emissions, and helps customers comply with evolving legislation across Europe, such as the upcoming Packaging and Packaging Waste Regulation (PPWR).

A powerful, complete solution across the supply chain

What sets Tosca apart is its ability to apply this circular approach across the entire supply chain, offering a complete, reusable packaging solution from producer to retailer



that delivers both operational value and environmental benefits.

As Vincent Nagels explains, Tosca is vertically integrated, which means it manages all the value contributors across the entire supply chain. “We are uniquely able to combine our upstream and downstream products to create a powerful, effective returnable packaging for our customers, ranging from small-medium companies to one of the largest European FMCGs and retailers.”

Innovation that never stops

Innovation is at the heart of Tosca’s identity. With a dedicated team focused on product design, material science and digital technologies, the company continues to push the boundaries of what reusable packaging can achieve. “We’re not just reacting to change; we’re anticipating it,” says Jurgen Van Roy. “Our innovation team looks at how to improve the strength and durability of assets, how to make materials more sustainable, how to embed technology like tracking to create smarter, more responsive systems.”

Automation is another area where Tosca is anticipating evolving needs. As warehouses become increasingly automated, the consistency and reliability of plastic pallets become critical. As Marco Gonzalez explains, “plastic load carriers are much more suitable because they maintain their shape, weight, and integrity across multiple uses, which is essential for reliable handling by machines and AI systems.”

A trusted partner in transformation

Tosca’s value extends beyond products. At its core, the company operates as a strategic partner, working closely with customers to assess their needs, identify opportunities for efficiency, and develop long-term solutions. This collaborative approach sets Tosca apart in a crowded marketplace.

“Customers approach us because they see us as experts in reusable plastic packaging. They come to us for our in-



Laurent Le Mercier

sights. Whether it’s reducing costs, increasing food safety or adapting to new legislation, we work hand-in-hand to find the best way forward,” says Vincent Nagels

Laurent Le Mercier, EMEA President, concludes: “We value long-term relationships with everyone in the supply chain – from carriers and retailers to third-party wash centres and recyclers. It’s only through close partnerships that we can continuously im-

prove and evolve together.”

As the pressures on the global food supply chain grow, Tosca’s reusable packaging solutions become vital and transformative.

About Tosca

Tosca is a global leader in reusable plastic packaging and performance pooling solutions. Committed to driving sustainability and innovation across industries, Tosca focuses on supplying innovative packaging solutions for a wide variety of industries.

Tosca’s end-to-end pooling capabilities offer a smart and sustainable solution for growers, suppliers, and retailers. By utilising reusable containers and pallets, Tosca not only reduces costs but also enhances supply chain performance.

For further information about TOSCA, visit www.tosca ltd.com



SECTORS

- ✓ POOLING
- ✓ AUTOMATION
- ✓ PACKAGING



PACKAGING PRINTING: CREATIVITY AND SUSTAINABILITY IN MOTION

Between digital innovations, eco-friendly inks and traceability requirements, packaging printing is undergoing a real transformation.

Between digital innovations, eco-friendly inks and traceability requirements, packaging printing is redefining its role at the heart of industrial chains. Far from being a mere decoration, it is becoming a strategic lever where aesthetics, performance and sustainability converge.

Packaging printing, long perceived as a finishing step, is now establishing itself as a strategic link in the chain. The global packaging printing sector is showing sustained growth, estimated at more than 6% per year according to The Business Research Company. In France, this momentum contrasts with the decline in commercial printing: packaging is driving the entire sector upwards, buoyed by the boom in the food, cosmetics and pharmaceutical markets. This structural change is altering expectations: colour accuracy, compatibility with sustainable substrates, shorter lead times, customised runs and the integration of variable data. The printer is becoming a technical and creative partner, serving to deliver a complete brand experience.

The rise of digital printing is transforming business models. High-definition inkjet and dry toner technologies enable short, adaptable print runs without any loss of quality. Brands can now customise their packaging by market, campaign or consumer. Variable data such as numbering, QR codes and adaptive graphics offer new opportunities for expression. Each piece of packaging becomes unique, without any major additional industrial costs. This flexibility is particularly appealing to e-commerce and cosmetics companies, which are seeking to strengthen customer loyalty while limiting waste. Digital printing also paves the way for greater energy efficiency: reduced set-up times, elimination of plates, and on-demand production.

Eco-friendly inks and materials

In the face of European regulatory constraints, sustainability is becoming a central pillar. Water-

based, UV LED and natural pigment-based inks are gradually replacing traditional solvents. Substrates are becoming lighter: high-strength recycled paper, bio-based films, cardboard from sustainably managed forests. This technical change is not at the expense of visual quality: print fineness, colour density and texture effects continue to improve. The challenge for printers now is to combine performance, recyclability and aesthetics, while ensuring process compliance. Ink, machine and substrate manufacturers are working hand in hand to develop comprehensive solutions that are sustainable, modular and interoperable throughout the production chain.

When printing becomes a vector of trust

Beyond its aesthetic dimension, printing now contributes to product security and traceability. Invisible markings, luminescent inks, micro-typography and dynamic QR codes are integrated into packaging to combat counterfeiting and enhance transparency. This convergence between printing and data opens up a whole new field: that of 'smart printing'. Printed matter becomes a point of access to product information, origin, composition and recyclability, while remaining a sensory object. This dialogue between material and technology illustrates the evolution of the sector: making the invisible visible, without altering the beauty of the gesture.

This sector will be featured at the ALLFORPACK EMBALLAGE PARIS trade show from 24 to 26 November 2026 at Paris Nord Villepinte.



ROBOTIC PACKAGING: ANALYSIS OF AUTOMATION'S TRANSFORMATIVE IMPACT ON PACKAGING

The rapid technology advancements in robotic technology have revolved the packaging industry in recent years. As manufacturers seek major market share and competitive advantages by boosting efficacy and cost reduction, robotic systems emerged as a game-changer solution. Robotic packaging actively offering a wide range of benefits that are reforming product quality and packaging standards.

Why robot packaging?

Precision and repeatability:

Compared to the traditional process, robotic packaging is gaining popularity among manufacturers by providing repeatability and precision. Robotic packaging is programmed to perform the packaging task with accuracy and consistency. By using computer vision and sensors, robotic arms can help manufacturers with a level of accuracy that far exceeds human capabilities. Also, robotic packaging can minimize manual inspection and rework continuing the packaging workflow.

Increased speed and throughput:

The robotic packaging offers impressively greater speed and throughput than manual labor. Robotic arms can work 24/7 with minimal downtime with more significant dexterity than humans.

The lower production cost and faster work capabilities make it the ideal choice for the packaging industry.

Improved Safety:

The workplace safety is a major concern in the packaging industry, where workers are often exposed to repetitive motions and heavy lifting with sometimes hazardous equipment. Robotic packaging eventually provides safety by removing human operators from the most risky tasks. Robotic arms are designed to handle heavy loads and operate in hazardous areas without taking the risk of human injuries. Thus, robotics are significantly reducing costs which are associated with worker's compensation and regulatory compliance.



**Flexibility and adaptability:**

The inherent flexibility and adaptability are contributing to the growth of acceptance of robotics in packaging. Robotic systems can be programmed and reprogrammed like dedicated packaging equipment by handling a wide variety of products with sizes and packaging configurations. This type of versatility allows manufacturers to respond to changing consumer preferences and trends.

What are the trends in Robotic Packaging?

As packaging lines become more complex and diverse, robots are being designed to handle a broader range of tasks, such as picking, packing, sorting, labeling, and palletizing. This trend is especially prevalent in the food and beverage industry, where robots are being used to handle delicate and perishable products with greater speed, safety, and hygiene. Adoption of collaborative robots. Cobots are designed to be easy to program, operate, and maintain, and can perform a wide range of tasks, such as picking and placing, assembly, and inspection. They are particularly useful in small and medium-sized enterprises (SMEs) that require flexible and affordable automation solutions.

Increasing use of robots in e-commerce and logistics, where they are used to handle the high volumes of packages and parcels that are processed every day. Robots are being used to sort, pack, and transport packages, as well as to perform last-mile delivery tasks, such as loading and unloading trucks and vans. This trend is expected to accelerate as e-commerce continues to grow and consumers demand faster and more efficient delivery options.

Focus on sustainability and environmental responsibility. Robots are being designed to reduce waste, energy consumption, and emissions, as well as to optimize the use of resources such as water and materials. For example, robots can be used to pack products more efficiently, reducing the amount of packaging material required, or to recycle or repurpose waste materials. This trend is driven by increasing consumer awareness and demand for sustainable products and practices.

Introduction of AI in the packaging industry:

“The fusion of AI and robotics into protective packaging systems connotes an innovational step toward smarter, more resilient, and eco-friendly operations, requiring investments in smart machineries and technologies.” – Says Ismail Sutaria, Chief Packaging Analyst.

The packaging industry is evolving with the technological revolution, as artificial intelligence emerges as a needy and powerful innovation and transformation. The advancement in areas such as language processing, computer vision, and reinforcement learning will enable even more sophisticated automation, predictive maintenance, and supply chain optimization.

A quick look at our latest report on AI in packaging

The global AI in packaging market is estimated to be worth US\$ 1,790.8 million in 2024. The artificial intelligence (AI) in packaging market is expected to reach US\$ 23,415.2 million by 2034. It is projected to surge at a CAGR of 29.3% in the forecast period 2024 to 2034. The packaging sector is undergoing significant innovation through partnerships between companies, technology providers, research institutes, and government agencies, focusing on creating integrated solutions, conducting research, exchanging best practices, and resolving regulatory issues in various countries.

What is the future of robotic packaging?

The future of the packaging industry is associated with AI technology by transforming the industry into a more agile, customer-faced, and efficient. As manufacturers embrace the transformative potential of artificial intelligence, the packaging sector is poised to reach new heights of excellence and competitiveness.

Final Thoughts

Robotic packaging has become a game-changer solution for the packaging industry, offering a wide range of benefits such as precision, repeatability, speed, safety, and flexibility. Robotic systems have vastly improved the packaging workflow, increasing efficiency and reducing costs for manufacturers. Additionally, the introduction of AI has further transformed the industry, offering even more sophisticated automation and optimization.

Some recent developments in the packaging industry

In 2021, BEUMER Group was contracted by Helthjem, a Norwegian CEP (Courier, Express, and Parcel) provider, to automate its parcel sorting and distribution process. This partnership is aimed at enhancing the efficiency of Helthjem's operations and enabling it to deliver a better customer experience. By leveraging BEUMER Group's advanced sorting technology, Helthjem intends to streamline its parcel handling process, reducing processing times and boosting productivity.

In 2022, Maxpack Machinery LLC has recently launched a revolutionary piece of packing equipment called Leap by Max pack, which is designed to meet the demands of the fast-growing Buy Now, Pay Later market. Leap is a state-of-the-art automation equipment that enables customers to pay for their purchase over time. This innovative technology is offered as premium bundles with 18 interest-free, guaranteed, and credit-free monthly installments. This makes it easier for customers to invest in this equipment without having to worry about the upfront costs, thereby increasing accessibility to businesses of all sizes.

www.futuremarketinsights.com



RANPAK DEBUTS CUSTOMIZABLE, ON-DEMAND, PRINTING CAPABILITIES FOR AUTOMATED PACKAGING LINES

The new Print'it!

Box lid printing solution applies individualized designs to boxes, on-demand, enabling automation within multi-brand environments while enhancing marketing performance

Ranpak Holdings Corp. ("Ranpak") (NYSE: PACK), a global leader of sustainable paper-based automated packaging solutions for e-commerce and industrial supply chains, has announced the debut of its new Print'it!™ in-line printing solution. This solution allows customers to print full-color customized designs on up to 15 boxes of varying heights per minute.

The Print'it!™ solution supports personalization opportunities by allowing operators to manage requirements for multiple brands or create emotional connections with end-customers through individualized messages. The solution removes the need for multiple SKUs of branded or pre-printed boxes while enabling downstream box customization and branding within a standardized automation setup: where packaging is right-sized, a lid is applied,



and unique designs are printed without adding additional touchpoints. The Print'it! solution allows custom printing on boxes of varying heights, as well, delivering a unique capability in the market.

Working in tandem with a Cut'it! EVO™ height-reduction and box sealing machine or other lidded box system, it can add custom full-color printed designs to packaging along a single automation line. The ability to support separate branding for individual packages on a single line is an ideal match for third-party logistics providers (3PLs), e-commerce businesses, and other fulfillment parties looking to gain a competitive edge in their packaging presentation, supporting limited time offers, seasonal designs, birthday messages, and more.

“The Print'it! solution unlocks new personalization capabilities for automated packaging lines that are exciting for both operations and marketing,” said Bryan Boatner, Global Managing Director of Automation at Ranpak. “It’s the icing on the cake of the improved total packaging solution that Ranpak Automation delivers for end-customers. And it’s achievable while optimizing efficiency for our clients, helping them consolidate their SKUs and streamline their processes.” The Print'it! solution will also be live on site for demon-



stration at ProMat 2025 and LogiMAT 2025. These trade-show appearances will be the first opportunities for Ranpak customers to see the machine in action after launch. Exhibited alongside other Ranpak Automation solutions including the flagship Cut'it!™ EVO height-reduction solution, visitors will have a chance to see the printing in action as well as how it interacts with other elements of a fully automated end-of-line packaging setup.

www.ranpak.com

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SHANGHAI WORLD OF PACKAGING 2025: ENABLING GLOBAL PACKAGING SYNERGY VIA INTEGRATED INDUSTRY CHAIN



Celebrating its 10th edition, swop 2025 showcases pioneering technologies, immersive features, and global packaging trends. The event highlights how intelligent and sustainable solutions are shaping the next phase of industry development.

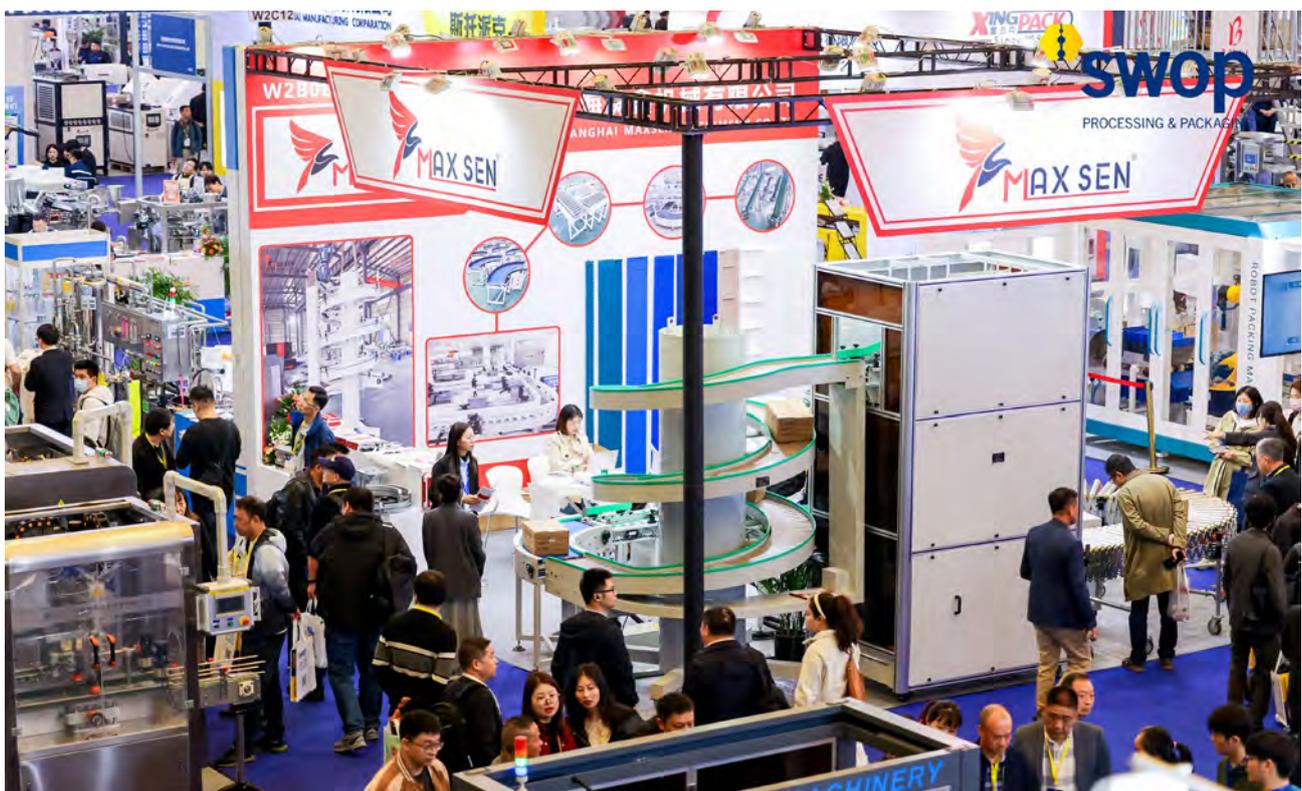
As globalization advances and China steps up efforts to meet its “dual-carbon” goals (carbon peaking and carbon neutrality), the packaging industry is entering a new phase of transformation driven by intelligence, sustainability and flexibility. A report by Market Monitor estimates the global smart-packaging market will reach US\$38.662 billion by 2030. The deeper integration of artificial intelligence with sustainable materials is accelerating the supply chain’s shift toward greater efficiency and lower carbon intensity.

Reflecting these trends, Shanghai World of Packaging (swop) will be held at the Shanghai New International Expo

Centre from November 25–27, 2025. The show will occupy approximately 70,000 m² and feature more than 950 exhibitors, presenting the latest trends and end-to-end solutions across the packaging value chain. Marking its 10th anniversary, swop will debut a host of new initiatives and innovations. We warmly invite you to join us for this landmark event and explore the future of packaging together.

Extreme Packaging Challenge – immersive, gamified tests that redefine product selection; swop helps buyers solve sourcing dilemmas

A highlight of swop 2025 is the “Extreme Packaging Challenge,” an immersive, gamified feature that offers



industry professionals a fast, intuitive, and interactive platform to evaluate and select packaging solutions. The interactive zone concentrates on four key areas: packaging containers; production equipment and materials; smart packaging equipment; and packaging products for logistics and e-commerce. From material innovations to intelligent systems, the Extreme Packaging Challenge presents frontier technologies through a series of playful, hands-on experiments—helping attendees identify integrated, one-stop solutions that reduce costs and improve efficiency across food, logistics and e-commerce sectors.

On the show floor, exhibitors will stage live demonstrations that turn technical specifications into observable performance. Selected highlights include: a paper-bag handle that can be folded 200 times without breaking, demonstrating exceptional durability; an ultra-thin, steel-core strapping tape that nevertheless withstands loads up to 1,000 jin (500 kg / ≈1,102 lb); PLA cling film shown in exhibitor tests to begin biodegrading under home-composting conditions within 72 hours; a PP resealable bag that survives being stood on by a 180-jin (90 kg / ≈198 lb) test weight without tearing; AI-powered visual sorting systems capable of identifying and classifying a wide range of items; ice-cream cups rated for reliable use at temperatures as low as -30 °C; and molded pallets that still support loads up to 2 tonnes (≈4,409 lb) after 28 days of immersion. (All challenge items and live demonstrations are provided by exhibitors.) By translating technical specifications into direct, observable results, these hands-on demonstrations help buyers accurately identify cost-effective, high-performance protective packaging solutions. Discover more at swop 2025 — we look forward to welcoming you on site.

Global breakthrough packaging technologies and market insights — taking center stage at swop 2025

As a member of the interpack alliance, the world’s leading trade fair for processing and packaging machinery, swop will leverage the alliance’s international network and specialist resources. This enables swop to offer end buyers across sectors — including food and beverages, pharmaceuticals, cosmetics, confectionery and bakery, non-food consumer goods and industrial products — one-stop processing and packaging solutions. The exhibition will bring together over 100 packaging companies and suppliers with formal export credentials, covering markets across Asia (e.g., Japan, South Korea, Vietnam), Europe (e.g., Germany, France, Russia), Africa (e.g., South Africa, Nigeria), the Americas (e.g., the United States, Brazil) and Oceania (e.g., Australia, New Zealand).

swop 2025 will spotlight global packaging compliance and cutting-edge technologies, with on-site briefings and

sessions addressing key industry concerns:

- EU regulatory restrictions on bisphenols: compliance challenges for food-contact packaging manufacturers and practical compliance strategies;
- Improving logistics packaging reliability: practical take-aways and case-study analysis on International Safe Transit Association (ISTA) testing standards;
- Cutting-edge international technologies and sustainable solutions: national pavilions and delegations from Germany, Spain, Finland and other countries will concentrate on frontier advances in digitalization, smart automation and low-carbon, sustainable packaging solutions.

Pre-Register Now for swop 2025 in November and Enjoy Exclusive 10th-Anniversary Benefits

At swop 2025, visitors will discover the latest breakthroughs across the full packaging value chain. swop will feature end-to-end innovations across the industry, including processing and packaging machinery, equipment for packaging materials and container production, innovative packaging materials and finished products, components for processing and packaging, printing and labeling solutions, and the latest advances in packaging design.

Pre-registered visitors will have the opportunity to receive exclusive 10th-anniversary privileges, with even more benefits available for corporate group registrations! For groups of 10 or more visitors, complimentary round-trip shuttle service will be provided. Additionally, all team members will receive same-day lunch, E-show Catalogue, exclusive business matchmaking services, and access to the VIP lounge.

For more information, please visit the official website www.swop-online.com

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ADAPTIVE ROBOTICS AND AMRS RESHAPE END OF LINE

The end-of-line (EoL) has historically been the realm of rigid automation: case erectors, packers, and gantry palletizers built to handle millions of identical items. This model is collapsing under the pressure of SKU proliferation and the demand for flexibility. The answer is no longer just automation; it is adaptive robotics.

The key transformation is the shift from mechanical, cam-driven systems to servo-driven and vision-guided solutions.

In case packing, delta robots and VGR (Vision-Guided Robotics) systems are becoming the norm. Where a traditional system requires complex retooling, a 3D vision-equipped robot can identify randomly oriented products (like pouches on a belt) and adapt its grip



By the editorial staff

in real-time, handling different formats with zero downtime. In palletizing, 4- or 6-axis articulated robots have supplanted gantry systems. Their flexibility lies not just in speed, but in their ability to manage complex logic. They can pick the case, pick the slipsheet, build mixed-SKU patterns, and interface with stretch



All images: pexels.com





wrappers, all within one compact cell. Cobots (collaborative robots) are also emerging for low-cadence applications, enabling safe, entry-level automation alongside operators.

But the real revolution is the elimination of conveyors between the EoL and the warehouse. Autonomous Guided Vehicles, specifically AMRs (Autonomous Mobile Robots), are changing plant logistics. Unlike older AGVs (which followed fixed paths), AMRs navigate the environment dynamically. An AMR can retrieve a finished pallet directly from the robotic palletizing cell and transport it autonomously to the storage area or loading bay, communicating directly with the WMS (Warehouse Management System).

The modern EoL is no longer a sequence of machines, but an integrated ecosystem of robotics and logistics.

The goal is no longer just speed (Units Per Minute), but agility: the ability to change production in minutes and flow products to the warehouse without interruption.

SUGARCANE PACKAGING GAINS TRACTION

The sugarcane packaging market is experiencing rapid growth driven by sustainability trends and regulatory pressures. According to a report by Future Market Insights, the market size is projected to grow from USD 304 million in 2025 to USD 586.9 million by 2035, with a CAGR of 6.8% during this period. This growth is largely fueled by increasing adoption in the food and beverage sectors, where biodegradable and compostable packaging alternatives are in high demand.

Why Sugarcane Packaging?

Sugarcane packaging primarily utilizes bagasse—the fibrous residue left after extracting juice from sugarcane stalks. This material is biodegradable, compostable, and sourced from renewable resources, making it an eco-friendly substitute for plastic packaging. With the food and beverage industry leading adoption, sugarcane packaging accounts for over 60% of the sustainable packaging market share by 2035. Its applications include trays, bowls, clamshell containers, plates, and flexible films, with bagasse-based products expected to command over 67% of the market share.

Market Drivers

1. Environmental Concerns and Regulations

Growing consumer and corporate awareness about plastic pollution have fueled demand for compostable packaging. Governments worldwide are enforcing stricter bans on single-use plastics, accelerating the transition to plant-based alternatives like sugarcane packaging. The EU, India, and North America are key regions where regulatory pressure has significantly boosted market growth.

2. Technological Advancements

Innovations such as moisture-resistant and grease-proof coatings have enhanced the durability and performance of sugarcane packaging, making it suitable

for diverse applications. Automation and AI-driven production technologies are improving manufacturing efficiency, reducing costs, and enabling mass customization to meet the rising demand.

3. Expanding Applications

Beyond foodservice, sugarcane packaging is penetrating sectors like cosmetics, pharmaceuticals, and electronics, driven by consumer preference for sustainable products and brand differentiation through eco-friendly packaging.

Challenges and Opportunities

Despite its benefits, sugarcane packaging faces challenges related to production costs and scaling supply chains. However, investments in advanced processing technologies and local manufacturing initiatives, especially in emerging markets like India and China, are expected to overcome these barriers.





The market is increasingly supported by the principles of the circular economy, which focus on maximizing resource efficiency, minimizing waste, and promoting the reuse and recycling of packaging materials. This approach helps reduce environmental impact by lowering greenhouse gas emissions and conserving natural resources, aligning closely with global sustainability objectives.

Many companies are innovating to develop packaging solutions that are recyclable, compostable, or reusable, thereby closing the loop on material use and reducing reliance on virgin resources. By embracing circular economy strategies, businesses can improve their environmental footprint while also enhancing brand reputation and opening new economic opportunities in sustainable packaging.

Regional Outlook

- South Asia & Pacific: Projected to witness the highest CAGR due to a booming foodservice industry and increasing regulatory support.
- North America: Strong growth driven by major foodservice chains adopting biodegradable packaging.
- Europe: Stringent plastic bans and consumer demand fuel market expansion, with Germany as a key contributor.
- Latin America and MEA: Gradual uptake supported by government incentives and rising sustainability awareness.

The sugarcane packaging market is poised for significant growth as sustainability becomes a central business imperative worldwide. With its natural biodegradability, regulatory tailwinds, and continuous innovation, sugarcane packaging offers a promising path toward reducing plastic waste and fostering a greener future. Industry stakeholders who prioritize sustainable product development and invest in advanced manufacturing capabilities will be best positioned to thrive in this expanding market.

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MONDI ENABLES LABEL-FREE PACKAGING OF 35,000 PARCELS PER DAY FOR KOMSA WITH HIGH-PERFORMANCE DIGITAL PRINTING

- Mondi supplies a packaging solution with integrated digital printing that allows KOMSA, one of Germany's leading IT distributors, to ship up to 35,000 parcels per day without adhesive labels.
- The printed barcodes on the corrugated packaging reduce the use of materials, improve operational efficiency and support more sustainable logistics processes.
- The solution is part of Mondi's expanded digital printing offering, enhanced by the acquisition of Schumacher Packaging, and is designed for customised, high-volume applications.

Mondi, a global leader in sustainable packaging and paper, has expanded its portfolio with a high-performance digital printing solution, enabling customised, high-volume packaging following the acquisition of Schumacher Packaging's Western European operations. KOMSA, a leading distributor for digital infrastructure in Germany, has been using this option to print consecutive barcodes directly onto cor-

rugated board packaging, without additional labels or manual labelling.

KOMSA dispatches up to 35,000 parcels daily, making efficiency critical to maintaining next-day delivery. One key improvement has been the integration of consecutive barcodes directly onto the packaging using Mondi's high-performance digital printing solution.





Across KOMSA's packaging line, 60 scanners identify and allocate each parcel. Previously, barcodes were applied using label dispensers. Now, they are printed directly onto the packaging – precisely positioned and visible on all four sides. This approach reduces lead times, lowers costs and minimises the risk of errors.

“The collaboration with Mondi is a real benefit for us – technologically, economically and strategically”, summarises Harald Josef Ollinger, Vice President Marketing & Communications at KOMSA. “We are not only making our logistics processes more efficient, but also more sustainable.”

Mondi's high-performance digital printing enables customised barcodes and complex print images in high-resolution without the need for printing plates or clichés.

The process uses water-based, food-compliant inks, and offers maximum flexibility. Series, seasonal campaigns, regional designs and individualised QR codes can be produced in a single production run with short lead times and faster time-to-market.

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-  eCOMMERCE



LUXE PACK MONACO 2025: A CAPTIVATING SHOW WHERE CREATIVITY, IMPACT AND BUSINESS CONNECTIONS UNITE

Elegance, Emotion and Excellence Shine at LUXE PACK Monaco 2025 that once again, has delivered a truly exceptional experience at the heart of the premium and luxury packaging industry, where elegance, emotion and excellence came together in perfect harmony.

From September 29 to October 1, the Grimaldi Forum was transformed into a refined showcase, where creativity, innovation and attention to detail reflected the very essence and high standards of the LUXE PACK Monaco brand.

As a true hub of inspiration and strategic thinking, the event brought together the global packaging community around a shared ambition: to reimagine the luxury pack-

aging of tomorrow—more responsible, more creative and more meaningful.

A captivating, unifying and inspiring event

Chosen by a loyal and discerning community, LUXE PACK Monaco stands out as an event where time spent together becomes an opportunity to build lasting relationships and turn ideas into tangible projects.

A genuine space for open and constructive dialogue, the show cultivates a spirit of conviviality that sparks creativity and strengthens collective momentum.

This sense of connection was especially tangible this year through the event's new spaces and the Welcome Drink held on the brand-new esplanade





and Ravel terrace, offering a breathtaking sea view and extending professional exchanges in a warm and inspiring atmosphere.

The 2025 edition also made a remarkable impression right from the entrance. After five years of renovation, the sea view made its grand return, unveiling a bright and refined scenography with new outdoor areas and redesigned social spaces. The exceptional quality of execution elevated the entire experience, reaffirming LUXE PACK Monaco's position as the global reference for luxury packaging.

An impactful experience

In this atmosphere conducive to business and creativity, LUXE PACK Monaco once again confirmed its status as an unmissable event on the international calendar.

Decision-makers, brands, designers, artisans and technology partners gathered to share insights, discover the latest innovations from 470 exhibitors, and forge new collaborations.

The conference program reached an outstanding level of excellence, generating strong engagement and participation. Major themes included:

- Redefining the value of luxury through emotion, design and storytelling, with contributions from Camus, Lalique Beauty, Lisa Eldridge Beauty, Curius, and Château d'Estoublon.
- Understanding Middle Eastern consumers, analyzed by Peclers, in a market undergoing rapid transformation.

- Materials of the future, where Canopy, La Prairie, Natura, and Erode explored new paths to reconcile luxury and sustainability.

Creativity and experimentation at the core

The 2025 edition was enriched by several areas dedicated to innovation and creative expression:

- The Portal (powered by NUON) brought together 30 exhibitors focused on sustainability and digital transformation, offering workshops and demonstrations dedicated to innovation and Beauty Tech. Among them, EDGYN show-

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- EXHIBITION
- DESIGN
- SUSTAINABILITY





cased its cutting-edge authentication technology against counterfeiting, while Sulapac presented Sulapac Flow 1.8, a biodegradable, FSC-certified wood-based material that perfectly illustrates the fusion of beauty, performance and sustainability.

- The Col’lab gathered nine consortiums and associations committed to driving the sector’s sustainable transition. “This unique space for dialogue and collective action is a fantastic initiative. By bringing all stakeholders together—even competitors—we can truly accelerate transformation,” said Rebekah Lees, Head of Marketing & Communications at EcoBeautyScore.
- Artistic and creative zones further enhanced the event’s atmosphere: The Artisans d’Art from La Fabrique Singulière captivated visitors with their mastery of weaving, metal pleating, gilding and marquetry. The BLUE-WASHING exhibition by matériO explored sustainability through thirty exceptional blue materials, inviting visitors to reflect on conscious and responsible use. Students from BESIGN The Sustainable Design School presented two projects dedicated to ocean protection. The Make a Mark program gathered twelve international design studios to push the limits of responsible innovation. The Musée à la Carte previewed a major exhibition planned for 2026, which will spotlight the creativity of packaging suppliers and their influence on brand heritage.

LUXE PACK in green awards: honoring sustainable excellence

Once again this year, the LUXE PACK in Green Awards, organized in partnership with INFINITY GLOBAL, celebrated the most remarkable innovations among more than 60 entries.

- The Best Sustainable Packaging Innovation Award was presented to MA BALISE, exhibitor at The Portal, for its compostable, biodegradable, and paper-recyclable RFID & NFC labels, free of plastics and heavy metals.
- The Best CSR Initiative Award went to AMCOR for its bio-recycling plant project, designed to make PET recycling fully circular.

“LUXE PACK Monaco remains a space for exploration and

reflection, where creativity meets responsibility to give true meaning to innovation,” said Fabienne Germond, Show Director.

A global and strategic gathering

The 2025 edition confirmed the show’s vitality and global reach, with a notable increase in attendees from China, Australia, the United States, the Netherlands, Belgium and Austria.

Despite a challenging economic environment, this cultural diversity reflects the loyalty of LUXE PACK’s international network and its unifying role among premium packaging decision-makers.

“The quality and depth of exchanges this year truly set the tone, reinforcing LUXE PACK Monaco’s position as a catalyst for high-value collaborations,” added Fabienne Germond.

Looking ahead to 2026

Building on this momentum, the team is already preparing an ambitious 2026 edition, introducing new formats, fresh experimental spaces, and an even stronger focus on collaboration, impact and innovation. “Since its creation in 1988, LUXE PACK Monaco has been the place where trends take shape, partnerships are forged, and the future of the industry is defined. The decisions made here directly influence the development, production, and innovation strategies of luxury brands worldwide,” concluded **Fabienne Germond**.

www.luxepackmonaco.com/en/

**LUXE PACK
MONACO**





PACKAGING FOR EMOTIONAL WELL-BEING

Quadpack has created caps and collars for the fragrance roll-ons of Neuraé, Sisley's skincare brand based on neuroscience.



Neuraé is a new Sisley brand rooted in the connection between skin and emotions, enhancing positive feelings by focusing on well-being, energy, and serenity through a three-step routine. The packaging of the neurocosmetic products is masterfully designed, featuring glass jars and bottles with maple wood caps and collars from Quadpack, the international manufacturer and supplier of cosmetic packaging. Quadpack also developed its exceptional roll-ons, creating a wide range of containers designed to engage all senses. Neuraé formulas are composed of at least 95% natural ingredients. The range includes a serum and three face creams, complemented by roll-on fragrances called "Emotion Boosters." The routine involves three simple steps: restore skin balance with the harmonizing serum harmonie; apply the face cream joie, énergie, or sérénité, depending on the desired mood; and enhance with the appropriate fragrance.

The brand is clear about its packaging goals and stated: "We aim to reduce our ecological footprint by using glass, recyclable plastics, and wood." Quadpack's wood experts collaborated with Neuraé to select the most suitable type of wood and finish. The company chose maple for its light surface and smooth, refined finish.

The collars and caps for the droppers, jars, and roll-ons were custom-designed and produced at Quadpack Wood's facility in Spain, powered by renewable energy and a biomass plant fueled by production waste. Made exclusively from sustainably

managed forests, each wooden component is unique, with its own natural grain. Each cap was branded using a precise laser engraving process. The laser was meticulously calibrated to ensure shallow engraving, avoiding the typical burnt effect, making maple an ideal material.

The Emotion Boosters are conveniently sized for travel. The 6.5 ml glass bottles were lacquered and decorated with single-color screen printing. Each variant's roller applicator features a gemstone: jade for énergie, rose quartz for joie, and amethyst for sérénité. Here too, the cap is made of maple wood.

Overall, the combination of natural wood, glass, and gemstones enhances the sensory appeal of the range, supporting Neuraé's mission to "nourish the skin and promote well-being."

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INTERPACK 2026: MORE IMPORTANT THAN EVER

Artificial intelligence, innovative materials, new functionalities and future skills: the major themes of transformation in the industry won't wait. At interpack 2026 in May, visitors will gain valuable insights and make important connections. Market leaders from every stage of the value chain are preparing to attend. The ticket shop is also open now.

Anticipation is growing as interpack reaches the next milestone on the way to its 2026 edition, which will take place from 7 to 13 May. Around 2,800 exhibitors from all over the world are preparing to showcase their latest innovations in Düsseldorf, setting important trends for the future of a globally connected industry.

"interpack 2026 is more important than ever," says interpack director Thomas Dohse. "Against the backdrop of profound transformation across many sectors, a wide range of topics are on the agenda, including AI, automa-

tion, new regulations, the need for future skills, and innovative materials. Now is the time to take action together."

Global dynamics, challenges and opportunities

Due to population growth, rapid urbanisation, rising incomes and changing consumer behaviour, the processing and packaging industry is in high demand now and will continue to be so in the future. At the same time, however, companies face major challenges: raw materials are limited and expensive; regulations are becoming increasingly complex, creating an enormous administrative burden; supply chains are uncertain; skilled labour is scarce; and the pace of innovation is high. Added to this are geopolitical risks.

"In such a dynamic market situation, a global summit like interpack is a central source of impetus and therefore of particular value," says Richard Clemens, Managing Director of the Food Processing and Packaging Machinery As-



sociation within the VDMA. “Here, solutions are presented that contribute to conserving resources, making processes more efficient, and securing long-term competitiveness along the entire value chain. Those who want to actively shape change need innovative technologies and a smart strategic orientation because only in this way can ecological and economic challenges be successfully overcome.”

The outlook is positive, particularly in the core markets of food and pharma. In 2024, global sales of packaged food reached 872 million tonnes, and this figure is expected to rise by 11.1 % to 968 million tonnes by 2029. The pharmaceutical market is also growing, with an increase in production value from €1.9 trillion in 2024 to €2.4 trillion projected by 2029.

These exhibitors will be there

The exhibitors at interpack 2026 recognise the potential of personal encounters for their business. Among the approximately 2,800 companies from over 60 countries, many market leaders will be presenting impressive displays. In the confectionery and bakery sector, for example, Aasted, Sollich, Theegarten-Pactec and SACMI Packaging & Chocolate will be present. This sector will span Halls 1, 3 and 4.

The pharmaceutical and cosmetics industries will also find important partners at interpack, with companies such as IMA Industria Macchine, the Marchesini Group and OPTIMA showcasing their portfolios in Halls 15 to 17.

Across six halls (11–14 as well as 5 and 6), the extensive exhibition area for food, beverages, consumer goods and industrial products will see companies including the COESIA Group, Duravant, Gerhard Schubert, Ishida, KHS, Kronen, MULTIVAC, Syntegon Technology and ULMA Packaging set benchmarks in automation, efficiency and sustainability.

Halls 7, 7a, 8a, 9 and 10 play a central role for the industry at interpack. Around 1,000 exhibitors will present materials and finished packaging products there. With its cross-industry offering of packaging materials, packaging means and packaging auxiliaries, this segment is the world’s largest trade fair for packaging materials. Companies such as BERICAP, Jokey, Metsä, Sappi Europe and SCHÜTZ will be present.

Bluhm Systeme, Domino Printing Sciences and Totani will be showcasing labelling and marking technology in Halls 8a and 8b.

Services for visitors

The interpack exhibitor and product database is now live, offering visitors the ideal tool to prepare for their trade

fair experience. Even before arriving in Düsseldorf, attendees can explore companies, discover products and innovations, and plan their visit efficiently. At present, all main exhibitors are already listed, with co-exhibitors being added on an ongoing basis to ensure the most up-to-date overview.

The ticket shop has also been open since 1 October. Visitors to the website will find comprehensive information on preparing for the trade fair, as well as travel and accommodation options. The new hotel service provides a clear overview of accommodation options for interpack, making comparisons easier.

During the trade fair, MyOrganizer and the interpack app will help visitors plan and navigate on site.

interpack is already engaging the industry through its digital channels with analyses, trends and insights. This means that exhibitors and trade visitors alike can benefit from the interpack community’s expertise all year round. The interpack magazine provides news, interviews and reports both at the trade fair and online throughout the year. Once a month, subscribers receive a newsletter containing the latest content. With ‘Let’s Talk Processing & Packaging’, interpack also offers a concise LinkedIn newsletter that showcases the latest industry insights alongside content from interpack and the interpack alliance, connecting followers worldwide.

www.interpack.com



LAWER: AUTOMATIC WEIGHING SOLUTIONS FOR THE COSMETICS INDUSTRY

Lawer - The ideal partner for cosmetics manufacturers

Accurate monitoring of the preparation process of recipes for the cosmetics sector, repeatability, traceability and, above all, safety in the handling of powder products are fundamental elements for an efficient preparation process, for quality control and safety of the working environment.

Lawer supports cosmetics manufacturers with automatic powder weighing systems, which eliminate risk factors such as weighing errors and contact with dangerous.

Depending on the customer's needs, there are 3 solutions available: **SUPERCOLOR ID-TAG**, **TD-MATIC** and **COS-LAB**.

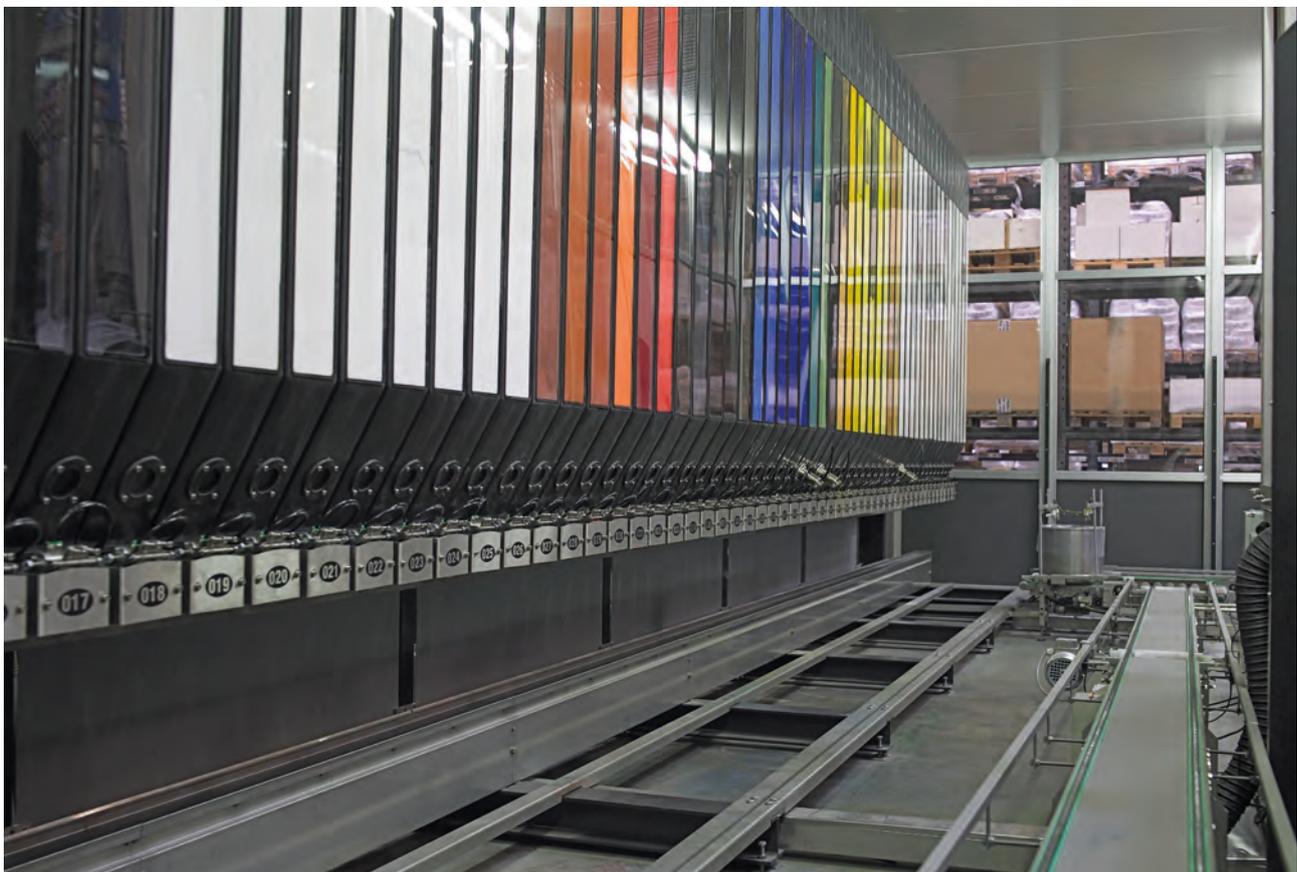
SUPERCOLOR ID-TAG is a fully automatic weighing system, which enables safe and clean preparation of pow-

dered recipes. The system consists of a series of independent storage silos, standard 150 l or double 300 l. Each silo is equipped with an efficient combined screw/vibration dispensing device (Lawer patent), which allows powder to be dispensed quickly and accurately.

Loading/unloading is monitored by the ID-TAG system, which allows for perfect traceability of recipes. T

he system is protected by a box, which guarantees complete insulation of the system and safe use in case of toxic powders.

An efficient suction/filtering device ensures maximum safety of use and a clean working environment.





TD-MATIC is a laboratory system that weighs small amounts of powder, supporting the preparation of samples for the laboratory.

- Accurate micro-weighing of powders
- Robotic handling of glasses-silos
- Stainless steel glasses for automatic weighing
- 2.7 l mini-silos for product storage
- Electronic scale with resolution 0.001 g
- Fully isolated work area



COS-LAB is an automatic and compact system for the preparation of creams, used in dyeing tests on synthetic or natural hair strands. The machine automatically weighs powders to the tenth of a thousandth of a gram. The glasses with the prepared creams are automatically made available to the operator in the parking lot, which can accommodate up to 6 glasses.

- Accurate micro-weighing of powder dye
- Robotic handling of glasses-silos
- Automatic dissolution and heating
- Fully insulated working area thanks to polycarbonate protection panels
- Perfect environmental and safety conditions
- Compact machine, perfect for laboratories

Founded in 1970, Lawer is an Italian company specialized in industrial weighing systems. It has developed advanced technologies and know-how in the automatic weighing of powder and liquid products, with single or multiple scale weighing systems.

The key factors that have contributed to the growth of the company are linked to the verticalized production process, which considers every single mechanical component produced as a fundamental part of quality, to the centrality of each individual who participates in production, essential for the quality of the finished product, and to the constant investments in safety and improvement of the working environment.

www.lawer.com



SECTORS

COSMETIC



GLOBAL PACK 2025: SUCCESSFUL COMPLETION WITH STRONG PROFESSIONAL PARTICIPATION

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ed value that printing can offer, enhancing brand identity and creating a unique consumer experience.

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with new ideas, contacts, and growth prospects, while plans are already underway for the next edition, aiming for even greater internationalization and thematic expansion

www.globalpackexpo.gr/en/



 **Global Pack**
INTERNATIONAL PACKAGING EXHIBITION

SECTORS

-  EXHIBITION
-  PACKAGING
-  FOOD



FOOD AFRICA AT 10 WITH PACPROCESS MEA, THE REGION'S LEADING FAIR

Bigger, more international and more motivating than ever: in December 2025, the interpack alliance trade fair duo will be inviting visitors to a very special edition in Cairo. With the tenth anniversary of Food Africa, growing international participation and diverse business impulses, the event together with a strong pacprocess MEA promises to be a real highlight in the international trade fair calendar.

There is much to celebrate at this year's Food Africa and pacprocess MEA – and even more potential to reap. On 9 –12 December 2025, participants can look forward to an exhibition at the Egypt International Exhibition Center in Cairo that will focus on the African market with a strong impetus, international contacts and multifarious business opportunities. What is, today, the most

important platform for the food and packaging industry on the continent and in the MEA region is organised by Messe Düsseldorf, together with local partners IFP Group and Konzept.

A special highlight this year is the tenth anniversary of Food Africa. What began as a regional trade fair in 2015 has, within a decade, established itself as the leading trade platform for the food and beverage industry in Africa. Today, it is the meeting place for international key players, exporters, buyers and political parties who drive innovation, trade and partnership in the region.

The sixth edition of pacprocess MEA will be taking place parallel to Food Africa. As part of the interpack alliance, it is firmly anchored in a global network and has developed





into the leading marketplace for processing, packaging and printing technologies and packaging materials in the region.

Beyond the food and beverage industry, international buyers from other user industries such as pharmaceuticals and cosmetics are also reached.

Focus on business and international cooperation

The figures speak for themselves: both events are already almost fully booked – with significantly more international exhibitors and newcomers than ever before, totalling over 1,000 exhibitors from 35 nations. Visitors from fast-growing markets such as Nigeria, Kenya and South Africa are specifically targeted in order to strengthen dialogue across the entire continent.

The strong business orientation is supported by the Hosted Buyers programme, which last year brought over 500 buyers from 70 countries to Cairo. The B2B matchmaking platform also promotes business: in 2024, over 5,500 meetings were arranged in this way. Both trade fairs also offer a conference programme with key players from the industry.

Multipliers such as the World Packaging Organisation (WPO), the United Nations Industrial Development Organisation (UNIDO), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the VDMA Food Processing and Packaging Machinery Association

are involved. Both events profit from support by local businesses, public authorities, associations and Egyptian governmental organisations. This also applies to the German Federal ministries, which support exhibitors on behalf of the German government and offer them the opportunity to present themselves at the German pavilion. Further international pavilions are planned for Turkey, Jordan and China as part of pacprocess MEA.

Exhibitors can also learn more at
www.foodafrica-expo.com
www.pacprocess-mea.com

SECTORS

-  EXHIBITION
-  PACKAGING
-  FOOD



D.C.M.: ROBOTICS AND AUTOMATION FOR SAFER, MORE EFFICIENT PRODUCTION

Industrial robotics has become a key player in modern industry, leading to a true transformation in factories. This change is particularly visible in the Food & Beverage and pharmaceutical sectors, where the demand for innovative and safe solutions is continuously growing. D.C.M., through its solid experience and commitment to excellence, has responded to this need with cutting-edge solutions that combine robotics and automation to optimize production processes, increase efficiency, and ensure high safety standards.

The Importance of Safety and Hygiene in Food Production

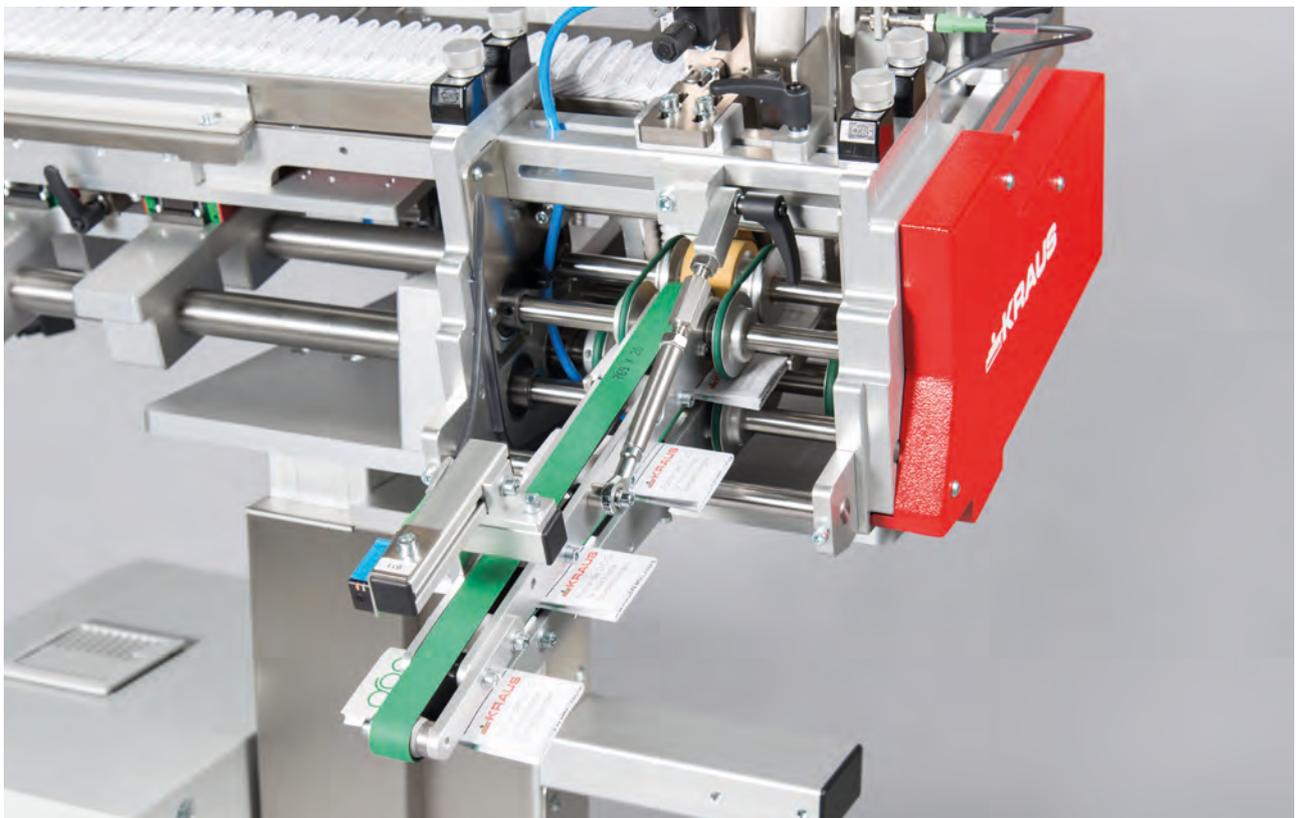
In the Food & Beverage sector, food safety is a top priority. The hygienic design of machines and plants, especially for primary packaging, plays a crucial role in protecting food products.

Alessandro Casiraghi, President of D.C.M., emphasizes how the proper design of machinery is essential to avoid the accumulation of product residues and detergents.

“Our customers, ranging from coffee to chocolate to bakery products, require high hygienic standards. For this reason, the ease of cleaning materials and surfaces is essential.”

The Hygienic Design robotic solutions offered by D.C.M., under the autonox Robotics brand, are designed to comply with the strictest safety and hygiene protocols, thanks to the use of food-compliant materials and protection up to IP69K. These robots feature an advanced cleaning system with pressure washers capable of reaching 28 bar, ensuring rapid and efficient cleaning even under the most challenging conditions.

D.C.M.'s offering is not limited to primary packaging. The range of industrial robots under the autonox Robotics brand includes highly performing models such as Duo-pods, 3 to 5-axis Delta robots, Articulated robots, and Scara robots, which meet the needs of various stages of the production process.





A particularly appreciated aspect by customers is the independence of the controller. “Our customers are free to choose the controller they prefer without having to learn new programming languages,” explains Casiraghi. This autonomy allows for easy integration of robots into existing lines without the need for complicated interfacing processes.

Sustainability and Innovation with Kraus

D.C.M. is not limited to robotics. The company is also the exclusive distributor in Italy of Kraus solutions for packaging and labeling, particularly in the Food & Beverage sector. Kraus machines, designed to operate at industrial speeds, have evolved to meet the growing demands for sustainability. The machines are now capable of handling products made with recyclable materials, such as disposable cutlery, trays, containers, and single-dose packets, which are efficiently singled out and dispensed. Continuous innovation is also reflected in the Labeljack labeling system. This system is particularly appreciated for its high cycle speed and precise label placement, allowing for high customizations that meet the needs of an increasingly demanding market.

A Commitment to Productivity and Customization

D.C.M.’s approach is clear: to ensure an increase in productivity and continuous improvement of its customers’ production processes. “Our goal is to provide ever more innovative and customized solutions, carefully listening to the customer’s needs,” concludes Casiraghi. With a range of solutions spanning from robotics for primary

and secondary packaging to dispensing and labeling systems, D.C.M. continues to respond to the challenges of a rapidly evolving market, with a strong focus on quality, safety, and sustainability.

www.dcm-italia.it



Qualità | Competenza | Innovazione | dal 1974

SECTORS

- ✓ FOOD & BEVERAGE
- ✓ PACKAGING
- ✓ LOGISTICS



FACEGLOSS PACKAGING COMBINES RECYCLABILITY AND AESTHETICS

Quadpack supports the new cosmetic brand with a complete range of packaging

Launching a new cosmetic brand in such a competitive market is no easy feat. facegloss appeared on the scene in October 2023 with a full range of skincare products. Four months later, the Spanish brand found itself at the top of the charts, acclaimed on social networks and high-profile media. A key factor in its success is the beautiful recyclable packaging developed by the international cosmetics packaging manufacturer and supplier Quadpack.

Anna Arbós – founder, cosmetic coach and “skinfluencer” – already had a loyal following on social media as “Glow by Anna”. Creating facegloss was the realization of a dream; Anna has brought together all her knowledge in the creation of a range of highly performing and affordable skincare products, aimed at the millennial audience. With €220,000 in funding and the right partner network, they turned to Quadpack for the packaging of various products such as Cloud cleansing mousse, Chill toning and emollient spray, Superglow antioxidant serum, Glasskin all-in-one serum and the Feels Like Water moisturizing cream.

Quadpack has created a simple and refined range, in different formats, customizing some of its flagship items such as the Skin-Up bottle and the Regula glass jar as well as an excellent foamer and a nebulizer spray. The caps and pumps were decorated with a pastel lilac injection while the

QUADPACK

bottles and jars remained transparent but with a light touch of color, to highlight the formula inside.

For facegloss, sustainability is a fundamental factor, a part of its philosophy and its way of being. The packaging materials – polypropylene (PP), polyethylene terephthalate (PET) and glass – were in fact chosen based on their recyclability.

Arbós said: “facegloss has been incredibly well received. We already have loyal consumers who appreciate the brand not only because it offers high quality products but also for its aesthetic image and spectacular packaging. As we always say, these are the products that you want to have in your bathroom.

“Our packaging is absolutely beautiful. Even though we were clear on what we wanted, Quadpack helped us from the beginning to consider the best options, always supporting us and offering us the best quality. Their professionalism and closeness to an emerging brand like ours is it was flawless!”

www.quadpack.com

SECTORS

✓ PACKAGING

✓ COSMETICS





GIFLEX AND IPACK-IMA RENEW THEIR PARTNERSHIP FOR 2026–2028

Giflex and Ipack-Ima have signed a renewed partnership agreement for the 2026–2028 period. The signing took place today in Rome, during the Autumn Congress of the Flexible Packaging Group, titled “Flexible Packaging: Minimalist by Nature”, running until Friday, November 7.



“We are renewing the partnership with Ipack-Ima after three years of solid collaboration because we need places and platforms where packaging can be valued in terms of collective trust. It’s no longer enough to talk about it only as a highly innovative and specialized product – it must become the centerpiece of a broader conversation within an integrated supply chain,” said **Alberto Palaveri**, President of Giflex, on the sidelines of the celebratory event.

Building on the record-breaking results of the 2025 edition – over **1,300 exhibitors, 70,000 visitors, and 40 international events** – attention now turns to **IPACK-IMA 2028**. The synergy between the world of flexible materials and that of packaging technologies, as the driving force of industrial innovation, forms the foundation of the agreement, which will foster meetings, insights, and exchanges within the supply chain during their respective events.

“Flexible packaging is undergoing a powerful transformation: the growing adoption of mono-material and recyclable solutions, the integration of smart films with sensors, digital traceability through AI systems, and the need to comply with increasingly strict circular economy regulations are clear signals of change. In this context, the synergy between Giflex and IPACK-IMA is not just an agreement; it is a laboratory where research on materials and the evolution of packaging technologies come together to create an efficient ecosystem. Together, we are building a trade fair that serves as a true hub of innovation – a meeting point where design, sustainability, and smart manufacturing converge to shape a global supply chain that is increasingly competitive and responsible,” concluded **Simone Castelli**, CEO of Ipack Ima Srl.

www.ipackima.com



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EXHIBITIONS 2025-2026

PROSWEETS

02-05/02/2025 🏠
COLOGNE

Trade fair on technologies for the confectionery and snack industry.

FRUIT LOGISTICA

05-07/02/2025 🏠
BERLIN

Trade fair on technologies for the fruit and vegetable industry.

BEER&FOOD ATTRACTION

16-18/02/2025 🏠
RIMINI

Trade fair for the beer, food & beverage world.

SANA FOOD

23-25/02/2025 🏠
BOLOGNA

International exhibition of healthy eating out.

SLOW WINE FAIR

23-25/02/2025 🏠
BOLOGNA

International fair dedicated to the good, clean, and fair wine.

MECSPE

05-07/03/2025 🏠
BOLOGNA

International trade fair for the manufacturing industry.

PROWEIN

16-18/03/2025 🏠
DUSSELDORF

International trade fair for wine and spirits.

VINITALY

06-09/04/2025 🏠
VERONA

International exhibition for wine and spirits.

LATINPACK

16-18/04/2025 🏠
SANTIAGO, CHILE

International trade fair on packaging and packing technologies.

TUTTOFOOD

05-08/05/2025 🏠
MILAN

B2B trade fair for the entire agri-food ecosystem.

MACFRUT

06-08/05/2025 🏠
RIMINI

Trade fair for the fruit and vegetable industry.

SPS/IPC/ DRIVES ITALIA

13-15/05/2025 🏠
PARMA

Fair on automation, components, and software for the industry.

IBA

18-22/05/2025
DÜSSELDORF

Trade fair for the bakery and pastry industry.

IPACK-IMA

27-30/05/2025 🏠
MILAN

Trade fair on technological solutions for food and non-food processing and packaging.

MIDDLE EAST 2025/26

GULFOOD

17-21/02/2025 🏠
DUBAI

Fair on hospitality and food products.

DJAZAGRO

07-10/04/2025 🏠
ALGIERS

Salon for companies of the agri-food sector.

IRAN FOOD+BEV TEC

19-22/05/2025
TEHRAN

Fair on packaging technologies.

PROPAC ASIA

11-14/06/2025 🏠
BANGKOK

International exhibition for packaging.

GULFOOD MANUFACTURING

04-06/11/2025 🏠
DUBAI

Fair for the packaging and food & beverage industries.

GULFHOST

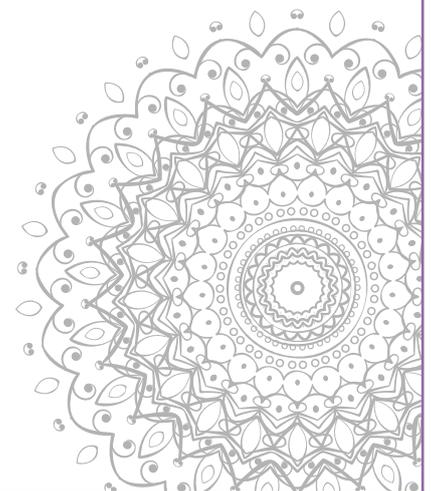
2025 🏠
DUBAI

Hospitality fair for the Middle East, Africa, and Asia.

HOSPITALITY QATAR

2025 🏠
DOHA

Fair on hospitality and HORECA.



EXHIBITIONS 2025-2026

FISPAL

24-27/06/2025 🏠
SAO PAULO, BRAZIL
Trade fair on packaging technologies.

DRINKTEC

15-19/09/2025 🏠
MUNICH
Trade fair for the beverage industry.

SUDBACK

20-23/09/2025
STUTT GART
Trade fair for baking technologies.

POWTECH

23-25/09/2025 🏠
NUREMBERG
Trade fair on technology for powder product processing.

FACHPACK

23-25/09/2025 🏠
NUREMBERG
Trade fair for the packaging industry.

MCTER EXPO

08-09/10/2025 🏠
VERONA
Exhibition on energy efficiency and renewable sources.

SAVE

08-09/10/2025 🏠
VERONA
Fair on automation and instrumentation.

HOST

17-21/10/2025 🏠
MILAN
Trade fair for the hospitality and HORECA sectors.

CIBUS TEC FORUM-LABOTEC

28-29/10/2025 🏠
PARMA
Conference-exhibition on production lines and technologies for the food industry.
Salon for the laboratory and analysis sector.

MARCA

15-16/01/2026 🏠
BOLOGNA
European trade fairs for the private label industry and the International supermarket label exhibition.

INTERPACK

07-13/05/2026 🏠
DUSSELDORF
Fair on production lines, solutions, and materials for packaging.

SIAL

17-21/10/2026 🏠
PARIS
Trade fair on food products.

CIBUS TEC

27-30/10/2026 🏠
PARMA
Fair on technology for the food and beverage industry.

BRAU BEVIALE

10-12/11/2026 🏠
NUREMBERG
Fair on technologies for beer and beverage production.

SIMEI

17-20/11/2026 🏠
MILAN
International exhibition on enology and bottling.

ALL4PACK

23-26/11/2026 🏠
PARIS
International exhibition for packaging.





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23847 Molteno - LC
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COLUSSI ERMES SRL

28-29

Via Valcunsat, 9
33072 Casarsa della Delizia - PN
Italy

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10000 Zagreb
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DCM SRL

86-87

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20093 Cologno Monzese - MI
Italy

FIORINI INTERNATIONAL SPA

35

Via Maestri Del Lavoro, 13
ZI Ponte Lucerta
60012 Trecastelli - AN
Italy

GENERAL SYSTEM PACK SRL GSP

11/13

Via Lago di Albano, 76
36015 Schio - VI
Italy

IFP PACKAGING SRL

8/10

Via Lago di Albano, 76
36015 Schio - VI - Italy

IMA SPA

18/21

Via Emilia, 428-442
40064 Ozzano dell'Emilia - BO
Italy

L'ALVEARE SRL

36/38

Via Vialetti 178/180
36029 Campolongo sul Brenta - VI
Italy

LAWER SPA

80-81

Via Amendola, 12/14
13836 Cossato - BI
Italy

MINI MOTOR SPA

I COV-22-23

Via E. Fermi, 5
42011 Bagnolo in Piano - RE
Italy

OMETEC SRL

24/26

Via Felci SNC
03039 Sora - FR
Italy

TECNO PACK SPA

15/17

Via Lago Di Albano, 76
36015 Schio - VI
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- Auxiliary Equipment of Packaging
- Laser Marking Machines and Others
- Liquid Packaging Machinery
- Aseptic Packaging Machinery
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- Plastics, Paper, Green Pack, Metal, Glass, New Materials and many more...



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