

packaging

INTERNATIONAL

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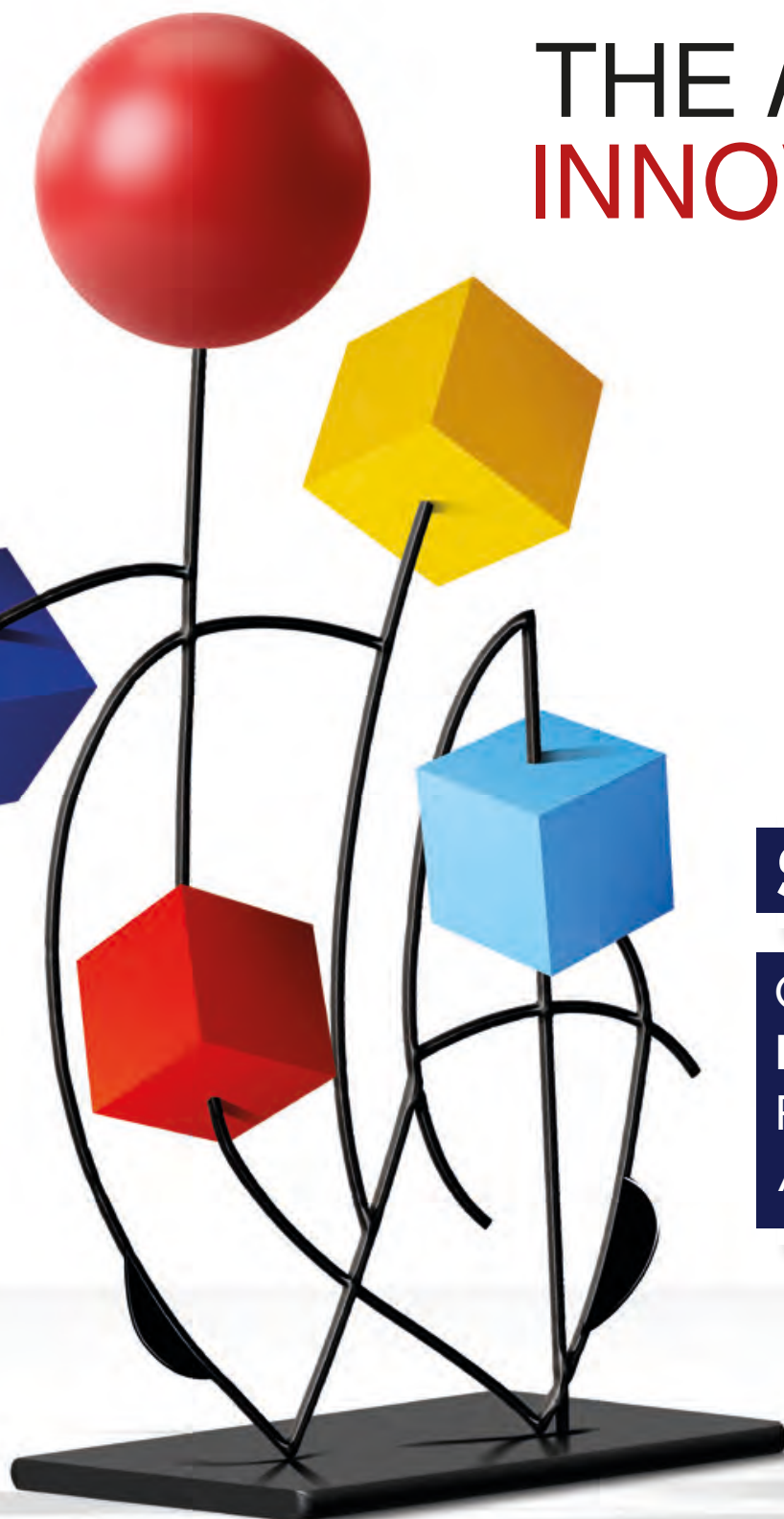
N°2-2025

THE ART OF INNOVATION



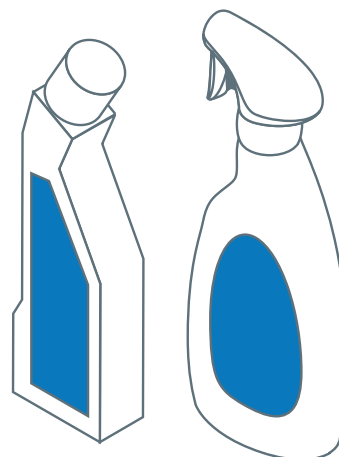
SPECIAL ISSUE

ON TECHNOLOGY FOR
FOOD & NON-FOOD
PACKAGING, LABELLING,
AND PRODUCT CODING





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CODING, PACKAGING**
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ima.it/pharma





M.H. Material Handling | Something is on the move

MEET US
IN IPACK-IMA
Hall 7 Booth B21



IPACK-IMA MILANO
27 - 30
MAY 2025
FIERA MILANO - ITALY

CONVEYORS

MH is an Italian Company with 30 years of experience in engineering and building conveyor lines for food packaging. It's product portfolio goes from conveyors for machine connection, elevators, mergers and whatever accessory may be needed to realize a turnkey plant.



MODUL-FLEX

BUFFERING SYSTEMS

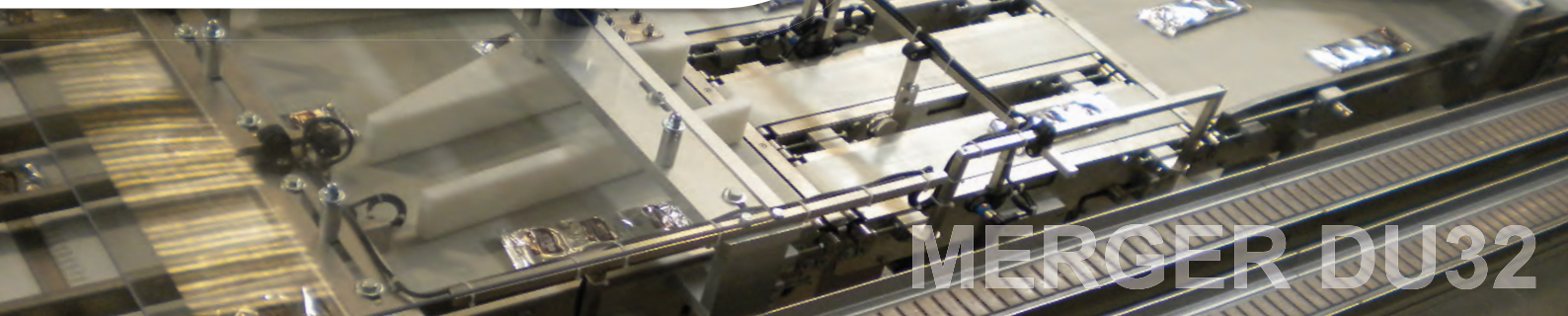
MH is specialized in buffering solutions LIFO zero pressure both with single or double spiral for packaged product or FIFO with multiple belt for the naked one.



BAT BUFFER

MERGERS & DIVIDERS

In order to comply with the increasing productivity rate and speed of packaging lines MH developed a set of dynamic mergers & dividers in achieve the correct distribution of products between the primary and secondary packaging machines.



MERGER DU32



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Technology inspired by human talent



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

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HALL 5P - BOOTH A17-B18

PHARMINTECH SPECIAL



08/10

IMA SPA

IMA PHARMA at Pharmintech 2025 discover our all-in-one solutions for the pharmaceutical sector

PACKAGING



22-23

**GENERAL SYSTEM
PACK SRL - CSP**

Csp - Packaging machines and automatic packaging systems.



SONIA V. MAFFIZZONI
Editorial Manager

In search of the perfect package

Being functional is not enough. Nor is being attractive or sustainable. Today, the perfect packaging is a delicate balance between creative audacity, ethical design and respect for the intelligence of the buyers. It is an object that informs, seduces, protects and simplifies. That speaks little and acts a lot. That leaves an impression, but not a burden (neither in hand, nor on conscience). Industry professionals know it well: designing with care, combining aesthetics and sustainability, reducing environmental impact losing sacrificing appeal, is an art. But it is also a sign of the times. Today, consumers are attentive, informed and discerning. And they reward those who know how to build not just a container, but a gesture of relationship. The most virtuous companies are already proving it: the search for the ideal packaging is a tangible reality. A reality built on conscious choices, smart technologies and thoughtful details that truly make a difference.

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FOCUS



56/58

OUR EDITORIAL TEAM

Packaging from The outside: what do consumers expect from their containers?

COMPANIES INSIGHTS



66/69

OMETEC SRL

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IPACK IMA: THANKS TO ITS NEW 3-AXIS ROBOT AND AUTOMATED MAGAZINE-LOADING TECHNOLOGY FOR BOX BLANKS

CAMA is delivering increasing added value while remaining focused on its supply chain

An Italian company specialising in secondary packaging lines, the Cama Group is an expert in the field of customised and bespoke solutions.

Cama has successfully helped companies large and small around the world achieve significant results for their business, by offering a wide range of machines and technologies, robotic solutions developed in-house ad hoc to meet the specific requirements of this market, and the ability to integrate numerous additional functionalities and third-party technologies. These capabilities were perfectly in evidence on a recent project at a Danish par-pharmaceutical company.

Producing a wide variety of medical solutions and products for hospital and home use, the company was looking for a highly flexible secondary packaging technology that would enable it to package four aerosol/bottle sizes: two 50 ml and two 75 and 240 ml. These products not only



Innovation meets Experience

had to be packaged in different quantities and in different packs, some of them with vertical separators/dividers, but the space available in the customer's facility was small, with an irregular layout.

During operation, in a CAMA unloading unit, RSC boxes are manually opened and loaded onto an infeed conveyor belt, where a vision system detects their contents.

A three-axis robot then removes the aerosols from the box and places them on an accumulation conveyor belt. The vision system is crucial at this stage to avoid random positioning.





The products are then passed to a labelling and coding unit and its quality control system, which also checks the application and readability, thanks to a dedicated dual-camera vision system.

The labelled products are then transported and sorted into the desired pack, before entering the case packer, where vertical dividers are added (if required), before the whole pack is pushed into a pre-packed wraparound box. After loading, the boxes are transferred to a flap-folding station and sealed closed with hot-melt glue before being transported to the machine outfeed.

The integration of three latest-generation CAMA RB 003 robots has enhanced the system in terms of performance and flexibility, while remaining extremely compact in terms of use and line layout.

Alongside this, CAMA has further enhanced its technologies by introducing the ACL (Automatic Carton Loading) series which truly takes its systems technology to the next level. In this regard, the line will be equipped with a collaborative robot for loading the box blanks onto two different box magazines, making its technology even leaner for line operators to use.

ACL will be a CAMA product line that is highly customised to the needs of our partners and can be installed on new



and existing CAMA lines, as well as being marketed as an add-on to competitor machines.

Every packaging application presents a unique set of challenges, so CAMA offers the key essentials to provide customised solutions thanks to its comprehensive range of solutions and technologies, plus extensive multi-industry expertise.

Visit our stand at IPACK IMA in Hall 5 A17 B18 to discover the vast range of solutions on offer.

www.camagroup.us
www.camagroup.com

SECTORS

✓ PACKAGING

✓ FOOD - NO FOOD

✓ PHARMACEUTICAL

IMA PHARMA AT PHARMINTECH 2025 DISCOVER OUR ALL-IN-ONE SOLUTIONS FOR THE PHARMACEUTICAL SECTOR

Welcoming you to Hall 2, Booth B46-C45

The Pharmaceutical Divisions of IMA Group and its specialists are glad to introduce IMA Pharma, the All-In-One supplier specialized in the design and manufacture of innovative machines and complete lines for the packaging and processing of pharmaceutical and nutraceutical products, as well as projects concerning digitalisation, sustainability, and customer service solutions.

Meeting the Divisions at the show:

IMA Active: advanced capsule filling and beyond

IMA Active, the ideal partner for every stage of solid oral processing, will be presenting ADAPTA 50, a cutting-edge capsule filling machine designed for maximum flexibility and precision.

This highly versatile solution, available in multiple configurations, is engineered to handle complex product combinations in hard gelatine capsules, as well as the micro-dosing of powders for dry powder inhalers (DPIs). Thanks to its volumetric dosing system and linear motors for delicate handling, ADAPTA 50 ensures highly accurate fills without product compression.

The compact dosing units, featuring specialized surface treatments, also enable seamless processing of even the most cohesive powders.

ADAPTA 50



TILE-X





Suppository sealing strip

In addition, visitors will have the opportunity to explore the IMA Active Competence Center – a hub of excellence where over 50 years of expertise translate into tailored support, training, and consultancy.

The Competence Center is dedicated to accelerating R&D, optimizing processes, and enabling advanced testing capabilities for the pharmaceutical industry.

IMA Life: aseptic processing and freeze drying solutions

IMA Life offers a comprehensive product portfolio for the processing of liquids and powders in both aseptic and non-aseptic environments. Its solutions include washers, depyrogenation tunnels, complete filling and closing lines for liquids and powders in vials, bottles, and Ready-To-Use (RTU) containers, freeze dryers with automatic loading/unloading systems, isolation technologies, vial and carton labellers, as well as auxiliary equipment.

Following its world premiere at Achema 2024 and the recent display at Interphex NY 2025, **IMA Life will showcase TILE-X**, a revolutionary, fully gloveless solution for the filling and closing of small-batch Ready-To-Use production.

Developed to comply with Annex 1 of the GMP guidelines, TILE-X is specifically designed for high-value

products such as personalized medicines, Cell & Gene therapies, and ATPMs.

This modular concept handles a wide variety of RTU containers — syringes, vials, and cartridges — using **electromagnetic motion technology** to ensure precise, frictionless operation in a **100% gloveless environment**. Both the filling nozzle changeover and the replacement of single-use microbial impactors are fully automated, ensuring maximum sterility and operator safety.

TILE-X has just received the Biotech Innovation Award at Interphex NY 2025.

Also on display is **HYPER**, IMA Life's next-generation top-of-the-line labelling machine.

Prioritising performance, precision and flexibility, HYPER stands out as one of the most advanced labelling solutions on today's market. Implementing brushless technologies, container positioning and label application are unbeatable.

Moreover, HYPER handles almost any container type, material, shape and size, plus it applies plastic or paper labels and outserts.

A key feature of this modular machine, which can be supplied stand-alone or line-integrated, is its ability to





ONE VISION ONE FUTURE ONE SUPPLIER



self-adjust working parameters. This leads to increased productivity, which is also supported by the machine's design enabling easy access and fast size changeovers.

HYPER also features serialisation capabilities enabling Track & Trace for single containers, with the possibility of including overprinting devices and vision systems to read and check data.

IMA Safe: high-performance primary and secondary packaging solutions

Specialized in both primary and secondary packaging, **IMA Safe** designs and manufactures blister machines, capsule and tablet counters, sachet and stick pack machines, tube fillers, and cartoners.

End-of-line solutions — including robotics, product handling, overwrapping, case packing, and palletizing — are provided by the **End of Line Hub**.

On display at the show is the **C1290**, the result of years of expertise in tube filling. This complete, fast, and user-friendly solution is engineered to maximize efficiency and productivity in a compact footprint.

Also featured is **SAAS**, an advanced vertical form-fill-seal (FFS) machine for suppository production. Designed for robustness and long-term reliability, SAAS stands out for its **high production speed, low noi-**

se level, and full compliance with hygiene and safety standards.

Experts from the **IMA End of Line Hub** will also be present to showcase the latest solutions available to complete the packaging line.

These include a wide range of options — from wrapping and bundling machines, case packers, palletizers and depalletizers, to advanced integrated systems featuring robotic solutions designed to deliver enhanced flexibility and efficiency.

IMA Pharma is composed of highly expert divisions able to offer tailor-made solutions for the most sophisticated requests of the pharmaceutical market: **IMA Active** (Solid Dose Solutions), **IMA Life** (Aseptic Processing & Freeze Drying Solutions), **IMA Safe** (Packaging Solutions) and **IMA End of Line Hub** (End of Line Solutions).

For further information, please visit our website

www.ima.it/pharma



SECTORS

✓ PHARMACEUTICAL

✓ CHEMICAL

✓ FOOD & COSMETIC



HIGH PROTECTION IN A SINGLE MATERIAL

The Ultra Solo by Quadpack: airless technology in a monomaterial packaging

Airless technology meets monomaterial design in Ultra Solo, the latest addition to the airless range from the international manufacturer and supplier of cosmetic packaging, Quadpack. The polyethylene (PE) packaging also features a metal-free pump making it recyclable and monomaterial. Moreover, the airless technology adds a whole range of benefits for the formula, the brand, and the consumer, making Ultra Solo the perfect mix between sustainability and performance.

The single-wall packaging boasts a minimal yet sophisticated design. Made of PE, Ultra Solo's sleek profile can have a glossy finish; the wide variety of possible decorations then makes it adaptable to any brand's identity. It is available in 15, 30, and 50ml sizes, for top filling.

The airless technology ensures precise dosing of 0.15cc per dispensation, which does not vary even with changing the applied pressure. The hermetic structure protects the formula from external contamination and reduces the need for artificial preservatives. The pump also allows consumers to use it at all angles, always maintaining excellent performance.

All components of Ultra Solo - cap, pump, actuator, and bottle - are made of PE. Thus, the entire product boasts

 QUADPACK

100% recyclability, certified through the evaluation standards of the European leader Institute Cyclos-HTP*. "We aim for greater recyclability in the development of our products," explains Alejandra Isern, Quadpack Category Specialist, "and nothing is simpler than recycling a monomaterial solution. Ultra Solo is also our first airless solution in PE that expands the range of materials in our airless portfolio."

As with all Quadpack's catalog products, an Environmental Report is also available for Ultra Solo. This document provides the life cycle assessment and other data on environmental impact to help brands achieve their sustainability goals.

www.quadpack.com

SECTORS

 PACKAGING

 COSMETICS



BIOGEST SRL: ANALYSIS OF FOOD CONTAINERS AND PACKAGING

The world of packaging intended for food contact is certainly one of the continuously evolving sectors, both in the regulatory and technological fields.

All companies that produce and / or use food packaging face various problems every day.

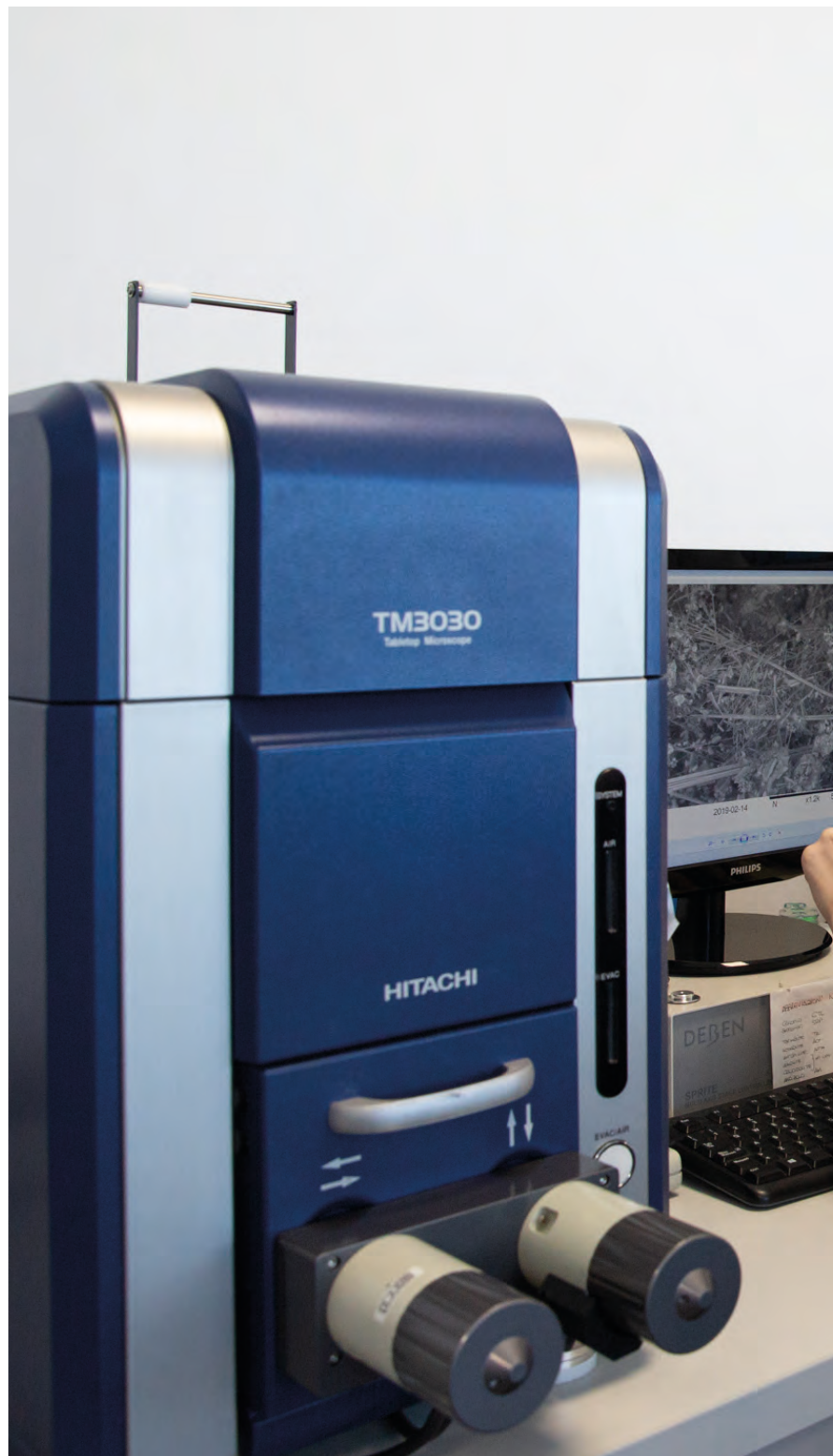
All materials that come into contact with food, from manufacturers' packaging to crockery, cutlery, glass, ceramics and food storage containers, must be tested to ensure their safety. In fact, they must not transfer unacceptable quantities of their components to food. The analysis of materials intended for food contact protects the health of consumers.

The current regulatory framework is complex, because alongside the analytical checks on the finished product, there is also the need to verify the compliance of the additives and technological adjuvants used that meet the legal requirements [Ministerial Decree 21 March 1973, Reg. CE 1935/2004 and Reg UE 10/2011]

According to current legislation, all packaging intended for contact with food requires the carrying out of global and / or specific migration tests to verify the absence of release of harmful substance.

Biogest Srl is able to carry out tests on:

- global migration according to the methods DM 21/03/73 and UNI EN 1186
- specific migrations according to the UNI EN 13130 methodologies (they include the migrations of monomers (eg. Phthalic acids, vinyl chloride, etc ...))
- migration of traces of technological adjuvants
- control of the composition
- purity requirements
- sensory analysis (PANEL TEST), both olfactory and gustatory, according to UNI and DIN standards
- migration of dyes
- searches for pollutants (eg. PHTHALATES, DIPB, Disopropylnaphtalenes DIPN, Bisphenol A, o-phenylphenol, etc.)





SECTOR

✓ PHARMACEUTICAL

✓ COSMETIC

✓ FOOD





All the determinations regarding the packaging are carried out by qualified personnel with the implementation of official national or European standards.

Food packaging and materials intended for food contact are regulated by the following regulations:

- In the EU area, for:
- All materials - Framework Regulation (EC) n. 1935/2004
- Ceramics - Directive 84/500 / EEC corrected by Directive 2005/31 / EC
- Regenerated cellulose film - Directive 2007/42 / EC
- Plastics - Regulation 10/2011 / EU with related additions and changes on plastic materials and articles that come into contact with food.
- Nitrosamine - Directive 93/11 / EEC
- Plastics BADGE, BFDGE & NOGE - Commission Regulation (EC) 1895/2005

Biogest laboratory technicians perform rigorous product inspections and analyzes for the following categories of food containers, packaging and items intended to come into contact with food:

- Paper, glass and ceramic containers (for single or multiple use)
- Jars, cans and bottles

- Plastic, metal and wooden containers
- Ceramic and glass objects
- Kitchen utensils and cookware
- Silver plated items
- Water bottles and thermos
- Baby meal set, bottle and lunch box

Biogest laboratory technicians perform the following checks to ensure the quality and safety of your items intended to come into contact with food:

- Visual examination and evaluation
- Size control
- Sensory analysis and stain detection
- Physical risk assessment
- Color bleeding
- Composition control
- Overall and specific migration test
- Substances added unintentionally (NIAS)
- Volatile organic compounds
- Heavy metals (extractable and at risk of release)
- Residual monomers and solvents
- Impurities and by-products
- REACH SVHC (Substances of Extremely Concern)

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PACKAGING AND HANDLING
SOLUTIONS FOR GLASS,
METAL, PLASTIC,
AND CARDBOARD CONTAINERS**



INTEGRATED SOLUTIONS FOR PROCESSING AND PACKAGING



**Innovating food technology
since 1951**

www.ingarossi.com

EXPERTISE AND RESEARCH OF THE BEST RAW MATERIALS TO GUARANTEE A HIGH QUALITY PRODUCT

Stella Maris brand was born in 2014 in Canosa di Puglia, from the desire of a young woman, Doctor Garofalo Vanessa graduated in pharmacy with a master in cosmetics at the University of Ferrara. Confidence in her abilities, trust in her personal skills and the audacity of her ambitions lead Stella Maris to be constantly expanding in the production of cosmetics.

The production of Stella Maris ranges between the various categories: from hair care, body to face, providing solutions to various problems, offering products that fully adapt to the needs of the consumer.

Stella Maris is based in Canosa di Puglia with a production site and a web page for sale online, where each product bears a detailed description of each aspect. The company respects the well-being of the customer, thanks to the use of natural ingredients for its products.



**Bellezza e Benessere**

The strengths points are the competence and the daily research of the best raw materials, to ensure a high quality product that meets certain standards.

The strict control and the research methods are applied from the very beginning: from the cultivation and the initial stage, the raw materials are subjected to processes that guarantee compliance with company regulations, and then receive accurate review even in the final packaging.

STELLA MARIS is composed by a young and dynamic team that leaves nothing to the approximation that study every situation in a scrupulous way, in fact, with the help of a computerized system for the management of logistics and the use of innovative equipment and machinery, is able to optimize the production process, making Stella Maris efficient and professional, able to operate competitively throughout Italy and abroad.

STELLA MARIS manufactures and produces any cosmetic product, from natural to organic, ensuring and satisfying every customer such as: pharmacies, beauty centers, hairdressers, gyms and companies.

Each cosmetic is formulated and produced following the instructions of the customer in terms of ingredients, textures, fragrances.

SECTORS

 **COSMETIC** **PRODUCTION**



Stella Maris offers the possibility to create an ad hoc line starting from the origins, helping the customer in the study of individual ingredients and guiding him in the process. Alternatively, it offers lines that are already formulated meeting your needs.

Fundamental to the company policy is a regime of transparency: on the site are in fact available, visible and accessible to all, the ISO 22716 certifications, which certify that the company fully respects the Good Manufacturing Standards of Cosmetic Products. Stella Maris, in addition to scrupulous compliance with European and national legislation relating to the placing on the market of cosmetic products and their use, is constantly looking for methods to define production standards aimed at the pursuit of higher and higher quality levels.

www.stellamariscosmetica.com



PROVEN INNOVATION



ALLine E - Sistema lineare per applicazione di due etichette fronte/retro su prodotti rettangolari o ellittici.

- Gestione integrata tramite PLC, con industry 4.0, e assistenza remota.
- Interfaccia touch screen su pannello girevole, con memoria per 100 ricette di etichettatura.
- Convogliatore modulare silenzioso e sincronizzazione automatica.
- Posizionatori digitali su tutti i volantini di regolazione, con valori in ricetta consultabili da pannello comandi.
- Basamento perimetrale, con struttura di irrigidimento superiore e illuminazione interna.



Innovazione o conservazione? La direzione di queste filosofie appare opposta e inconciliabile. La prima promette prestazioni superiori, e nuove funzionalità. La seconda garantisce l'affidabilità e la praticità tipica delle soluzioni collaudate.

Noi di ALtech ci siamo impegnati affinché innovazione e conservazione convivano nelle nostre etichettatrici. Ognuna di esse contiene le tecnologie più innovative, ma allo stesso tempo è il risultato degli affinamenti progettuali maturati grazie ai 30.000 collaudi effettuati fino ad oggi: un bagaglio tecnico che ci consente di affermare che ogni etichettatrice che offriamo non è solo all'avanguardia, ma è anche pratica, funzionale e affidabile.

Un esempio? il nostro sistema ALLine E.

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www.altech.it



See more!



27 - 30
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FIERA MILANO - ITALY
VISIT US AT
HALL 4 - STAND D 44



ALTECH TO PARTICIPATE IN IPACK-IMA 2025. INNOVATION AND PRECISION IN INDUSTRIAL LABELLING

A a leading Italian company specialised in the design and production of next-generation labelling and identification systems, will be attending IPACK-IMA 2025 from 27 to 30 May, at **Fiera Milano Rho, Hall 4 - Stand D44**.



Customer-oriented Technology and Modularity

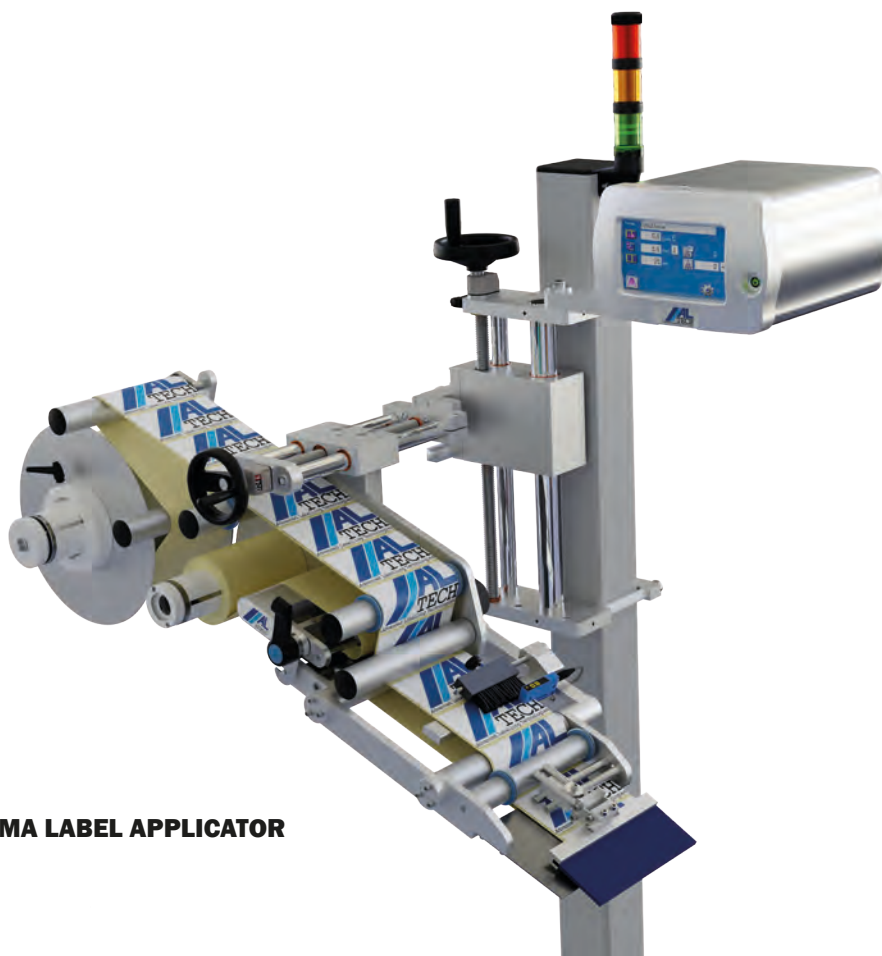
ALTECH means "Advanced Labelling Technologies". Each machine is designed in a modular and expandable manner and can be adapted to the specific needs of every company. Maintenance is simplified thanks to easily removable, interchangeable, and accessible components, ensuring efficiency and long life.

An Approach that Combines Experience and Innovation

The quality of ALTECH's systems is the result of years of experience and advanced engineering. The company continuously invests in research and development to



ALCODE P PALLET LABELLING



ALRITMA LABEL APPLICATOR

offer innovative and customised solutions. Each labelling machine is made out of extremely high-quality materials, such as high-strength alloys and stainless-steel screws, while the electronic and pneumatic components are sourced from world-class companies to ensure maximum reliability.

The stand will also feature other machines representative of ALTECH's range, from the ALritma and ALstep labelling heads recently upgraded and now also available in the 4.0 version, to the ALcode print/apply series.

www.altech.it

A Reliable Partner for the Packaging Industry

At IPACK-IMA, ALTECH will present its latest innovations and provide the opportunity to engage with industry experts, offering advanced labelling, printing and coding solutions. The company has consolidated its leading role in the packaging industry, focusing on safety, quality and customisation.

Live ALTECH Technology

- An ALLine E/C system for front/back labelling of flat and elliptical products, with a special feature - an electronic system able to change between formats on the machine by simply bringing up the recipe parameters on the display.
- An ALcode P system for printing and applying labels on pallets per EAN 128 standard.

SECTORS



PACKAGING



LABELLING



FOOD - NO FOOD

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**

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

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

SECTORS

✓ FOOD

✓ BIOMEDICAL

✓ HARDWARE



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."

SECTORS

**COSMETIC
PACKAGING**



general system pack

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Via Lago di Albano, 82

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ENGINEERED FOR EXCELLENCE



GSP 55 S BB
electronic inverted
flow pack wrapper



HIGH-SPEED
PACKAGING LINE

TECNOPACK GROUP



18 TO 22
MAY
2025
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TECNOPACK GROUP
Tecno Pack Skilled *every plant* *general system pack* ifp GBTECH

COME VISIT US
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Tecno Pack Skilled *every plant* *general system pack* ifp GBTECH

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27 TO 30
MAY 2025
FIERA MILANO · ITALY

TECNO PACK: DEVELOPMENT AND STRATEGY TO REACH NEW GOALS

Over three decades have passed since the early 1980s, when, in a small building on the outskirts of Schio, two enthusiastic and passionate technicians began tinkering with several used packaging machines with the intention of getting them back into working order.

This type of activity was known as “revision”, a term that has become extinct in this world of “disposable” products.

It was through the continuous process of disassembling, replacing, modifying, and testing these ageing machines that the two ultimately decided to develop the new and

modern flow pack packaging machines.

In 1985, the first packaging machines from the newly established Tecno Pack company were introduced on the market and immediately received a favourable reception from clients.

Thus began the company’s long journey, a company whose priority is to respond in a timely and professional manner to the increasingly stringent demands of the market, courageously and determinedly embarking on the challenging path of automatic packaging systems.

These were years of hard work, sacrifice, and ongoing research, as well as of achievements and growth.

Meanwhile, Tecno Pack moved to a new location, in the Schio industrial area, which was better able to handle the company’s growing and changing logistical and production needs.





In 2011, operations moved to a new facility occupying over 6,000 square meters, still located in the traditionally industrious town of Schio, since the second half of the 19th century nicknamed “the Little Manchester of Italy”.

Machine after machine, system after system, the story continued with the inevitable intertwining of professional and personal events that never undermined the company’s corporate ideological continuity, which was supported through the years by a constant investment



SECTORS

✓ LABELING

✓ CODING

✓ COSMETICS





Tecno Pack

PACKAGING MACHINES

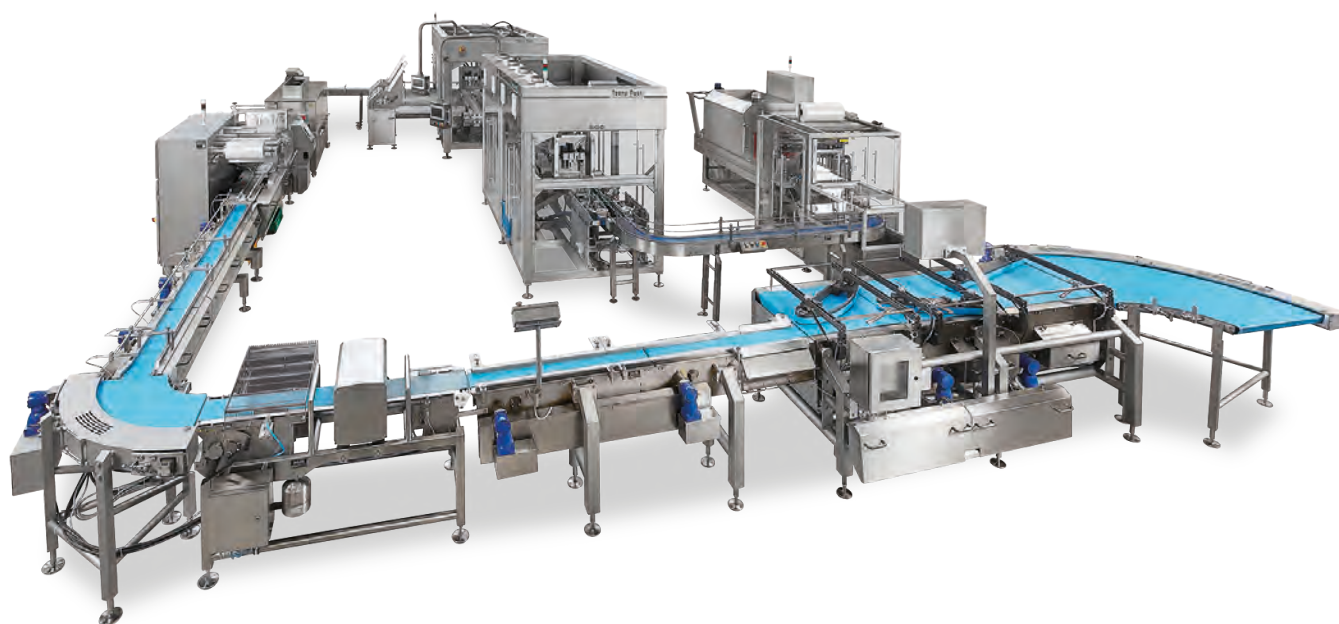
in and commitment to research and innovation.

This generated the success which allowed Tecno Pack, during these years of continuous growth and development, to purchase and revive three companies and see them flourish: General System Pack, IFP Packaging, and Euroimpianti.

Thanks to their global technological portfolio, the group of Schlio companies is now recognised as a world leader in the packaging industry, providing a global solution that covers everything from product manufacturing to packaging, at every stage. Their automated solutions, tailored to each individual client company, integrate primary, secondary, and tertiary packaging, as well as palletizing.

Today, the world of small and medium-sized industry that relies on the Tecno Pack group can benefit from the experience and technology that the company has developed over decades with all of the major global food groups which, by renewing their trust each day, continue to fuel ongoing research and development. 🏢

www.tecnopackspa.it



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analisi fit & forget

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SIA PER SKID CHE PER BORDO MACCHINA

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di pomodoro, yogurt
con frutta in pezzi,
bevande vegetali



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olio di oliva



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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.

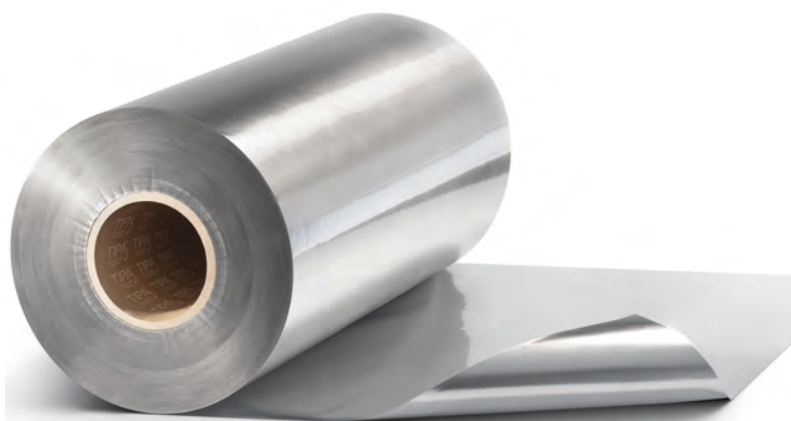
This unveiling coincides with growing demand for sustainable snack packaging as the global market for chips and crisps is due to significantly grow in the next five years.

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.

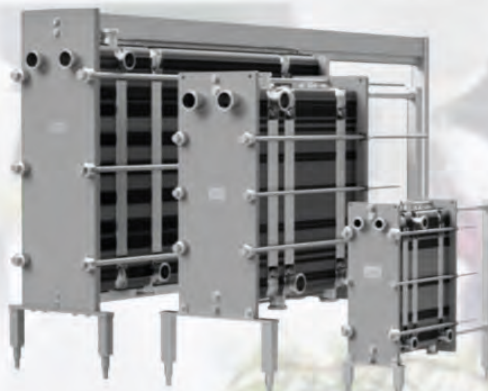
With crisps packaging making up a significant portion of non-recycled waste, TIPA's solution aims to pave the way for brands to shift toward truly circular and environmentally responsible packaging alternatives.



SECTORS

 **FOOD**





**25 YEARS OF INNOVATIVE,
EFFICIENT, AND
SUSTAINABLE SOLUTIONS !**



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FROM VISION TO GROWTH: THE TEKNA PARMA MODEL



by
Cristian Belletti
CEO and Commercial Director



Founded in Parma, Tekna Parma has become one of the leading players in the distribution of food plant components across the Italian food, pharmaceutical, and industrial sectors. Leading the company is Cristian Belletto, CEO and Commercial Director - a key figure whose contributions have been instrumental in the brand's growth and innovation.

Could you tell us about the origins of Tekna Parma and the vision that has guided its growth in the food industry technology sector?

Tekna Parma was founded in 1999 based on an insight of the Belletti family. The initial goal was to offer a more targeted and personalized service to Alfa Laval's customers by introducing a different distribution model from the traditional one. From the very beginning, we have aimed to concretely address the real needs of the Food & Beverage market by developing tailored solutions for our customers.

What are the core values that distinguish Tekna Parma in the global market?

The values that guide Tekna Parma are reflected in our collaboration with outstanding partners such as Crane, Vega, Uresh, Alfa Laval, Armstrong and Eilersen. Our commitment is to bring sustainable products to the market, which help the end user to achieve energy savings, recover materials, and optimize processes. A concrete example is our "Pig" systems which help reduce waste. Additionally, we pay the utmost attention to the quality of the materials used, ensuring that they are perfectly compatible with the food industry and environmentally friendly.

Could you explain what types of components and systems you offer for the Food & Beverage sector, and what are their main applications?

Tekna Parma offers a comprehensive range of solutions for the food and pharmaceutical sectors. We offer everything from the smallest stainless-steel fittings to the most complex heat exchangers. We handle pumps, valves, and customized systems, all designed based on the specific needs of our customers. Our goal is to provide not only high-quality components but also integrated solutions that optimize production processes.

What initiatives have you undertaken to promote environmental sustainability in your production processes and the solutions you offer?

Our products are designed to be fully compatible with advanced automation systems and are compatible with the main PLCs available on the market. A key feature is continuous equipment



monitoring: for example, in collaboration with Alfa Laval, our mixing and pumping systems are equipped with vibration analyzers, enabling predictive maintenance and reducing plant downtime. We also collaborate with partners such as Lagafors to optimize cleaning systems, monitoring energy consumption and chemical use in real time, which has a positive impact on both efficiency and sustainability.

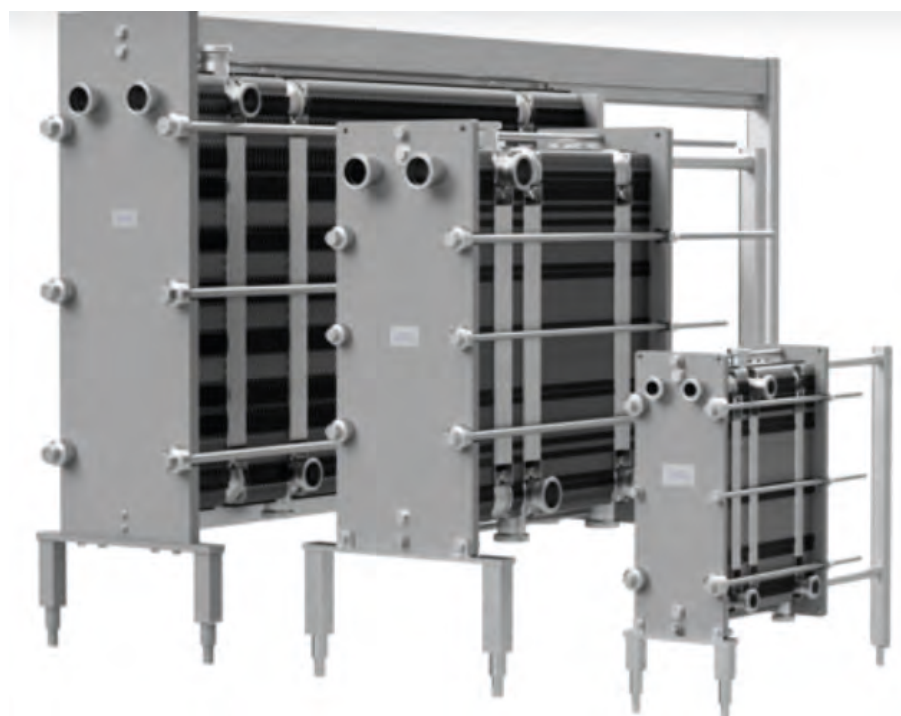
How do you customize your solutions to meet the specific needs of Food & Beverage producers?

Our priority is to identify the solution that best fits each customer's unique needs. Even when we rely on large partners offering standardized products, we are committed to configuring customized solutions that perfectly align with the customer's production process. In addition, our choice of partners is based on strict criteria: all products must comply with current European standards and regulations, such as EC Regulation 1935/2004 and the MOCA provisions.

What are your medium- and long-term objectives for expanding in the Food & Beverage market?

Our goals remain aligned with the company's mission: to offer innovative products and cutting-edge technologies that make production plants increasingly sustainable. We aim to provide components that reduce or eliminate plant downtime, while enhancing overall efficiency. We are aware that the market is undergoing a significant evolution: the demand for plant-based foods and non-alcoholic beverages is growing. We are ready to face these challenges, backed by the expertise we have gained and the support of our partners.

www.teknaparma.com





TRADITION MEETS THE FUTURE: PREO UNVEILS NEW VELA LINE

Approaching the prestigious 90-year milestone, PREO launches the new Vela series of gluers on the market. The combination of innovative design, modularity, sustainability, compatibility and advanced interconnection makes Vela an ideal choice for companies looking for cutting-edge hot gluing solutions. Every part of the Vela melter has been technologically improved to offer superior performance, as well as more precise control of the gluing process. One of the most distinctive aspects of Vela is obviously its unique, innovative and elegant design. PREO paid particular attention to creating a machine that not only excelled in terms of technical specifications, but was also aesthetically pleasing and functional. The new generation of components used in Vela, starting from the brand new 7" capacitive touch display, ensures uniform heat distribution, reducing heating times and improving the quality of the final product. With Vela, PREO confirms its leading role in the market, offering high-quality technological tools that meet the most demanding expectations, support the



growth and innovation of client companies, promote sustainable practices and ensure efficient integration with existing technologies.

Our history and its evolution

The history of PREO started in 1938 when Mr. Antonio Preo founded "Officine Meccaniche PREO" as a producer of precision and measuring instruments. Thanks to the hard work of the early years, the company expanded in the 1960s and became a reference, also at European level, in the production of high-precision parts for various industrial sectors, including the medical, optical, aeronautical and military industries. Towards the end





Vela

He'd do it this way.





of the 1980s, PREO, thanks to its qualified experience and know-how, directed its activities towards the design, production and sale of hot-melt adhesive application systems with the aim of becoming one of the world's leading manufacturers. PREO was the first company on the market to produce gluers which have become true "classics" over time. In just a few years, thanks to the excellent skills acquired from its many years of experience in the aeronautical sector and constant research and development, PREO has established itself in the international arena for the reliability and innovation of its products, and it has become a leader in the development of standard machines as well as in the design of customised solutions and systems.

The company, located on the outskirts of Milan, conducts its business on an area of about 4,000 square meters divided into two large buildings; it has further increased its production in recent years by expanding into the world market through acquisitions and partnerships with foreign companies. Historic results have been recently achieved that have led to major growth in both sales and increased exports. For the first time, 1,000 systems sold and installed in a single year was exceeded, demonstrating how PREO has definitely established and consolidated itself as one of the world's leading and most reliable manufacturers. PREO is the typical Italian medium-sized, highly specialized, ISO 9001-certified company that, making use of a staff of highly qualified technicians and a fleet of the most modern machines, has developed an important all-Italian technical-commercial and produc-

tion structure in the field of hot melt adhesive application machines, further strengthening the image of Made in Italy in the world. Thanks to an extensive distribution network both nationwide and in more than 50 countries, a winning sales policy, and fast and efficient sales and after-sales service, PREO is able to offer the best possible solution to all gluing needs in multiple industries, such as packing and packaging, graphics and printing, bottling, automotive, papermaking, textiles, pharmaceuticals, and many others.

www.preo.it

SECTORS

 **FOOD & BEVERAGE**

 **PACKAGING**

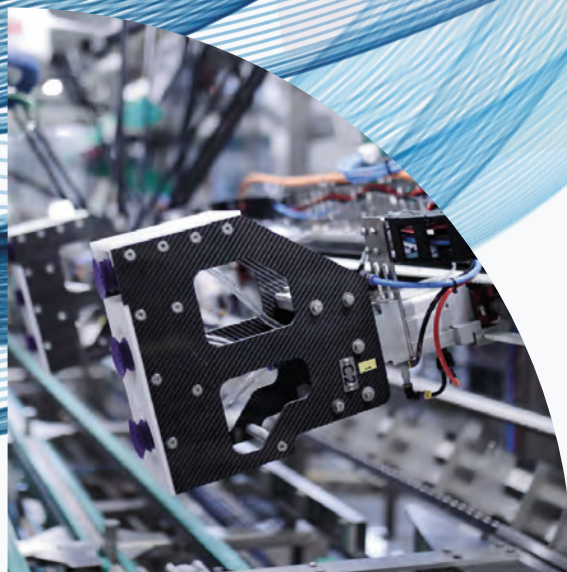
 **ADHESIVE SYSTEMS**

Welcome to Gampack, the perfect partner for secondary packaging machines and complete, integrated end-of-line solutions.

Why Choose Us?

GAMPACK invests the 8% of its turnover in R&D in order to find the best and most suitable solutions with its team of experienced engineers, continually looking for new and stimulating milestones and with a constant eye towards the future.

**LET'S SHAPE THE FUTURE OF
YOUR PACKAGING,
TOGETHER.**



GAMPACK: EXCELLENCE AND INNOVATION IN INDUSTRIAL PACKAGING

In the competitive scenario of industrial packaging, Gampack stands out as a prominent player in secondary packaging and end-of-line solutions, providing turnkey solutions across global markets. Since its founding in 2003, the company has accumulated extensive experience in packaging automation, further advancing its expertise in robotic technologies following the acquisition of a historic Italian robotics company in 2020. In this way, Gampack continues to serve a diverse range of industries, including food & beverage, cosmetics, pharmaceuticals, and pet food.

A Company with an Innovative DNA

Renowned for its innovative approach, Gampack specializes in designing and manufacturing advanced secondary packaging and end-of-line systems. The core of its offerings lies, on one hand, in the design of automatic machines to pack a variety of rigid products—from beverage cartons to cans and glass jars—intended for liquid and semi-liquid goods such as fruit juices, jams, milk, and pet food. On the other hand, the company's drive for innovation is also reflected in its robotics division, which enhances its portfolio with classic packaging machines integrated with highly customizable robotic systems, specifically tailored for both the aforementioned rigid items and flexible products, such as doypacks, flowpacks, and pouches.

As an example, Gampack has recently developed specialized production lines for the pharmaceutical industry to package cartons of plasters into American cases. In this process, the case former prepares the



Solution for the pharmaceutical industry: a Cobot assembles a pallet of American cases labelled with a warehouse wrap-around label.



Robotic Modular Line for Wrap-Around Cases.



Automatic Wrap-Around Case Packer with continuous motion.

pre-formed cases; these are filled by a 6-axis manipulator and, in the end, closed with adhesive tape (machine speed: 8 cases/min). A dedicated labeling machine then applies a wrap-around warehouse pallet label on each case. Finally, as the cases move toward the palletizing cell, a Cobot efficiently places up to 5/6 cases per minute onto the pallet. This pioneering strategy further demonstrates Gampack's commitment to delivering cutting-edge, industry-specific solutions.

Flexibility is certainly another cornerstone for Gampack. The company's machines are designed to quickly adapt to different packaging sizes and production parameters, ensuring high versatility. With over 1,700 installations worldwide, Gampack guarantees solutions tailored to the customer's needs, backed by excellent after-sales service, which distinguishes the company from its competitors. This includes timely spare parts supply and technical interventions on production lines within 24 hours from the customer's request to ensure seamless operational continuity, reinforcing the company's reliability.

Advancing with AI and Sustainable Packaging for a Greener Future

Looking ahead, Gampack is committed to further international expansion and technological development. The company's R&D efforts are increasingly focused on incorporating artificial intelligence (AI) into its packaging systems. By analyzing production data and optimizing processes, AI enhances efficiency, prevents errors, and minimizes waste, improving both productivity and the operator's working environment.

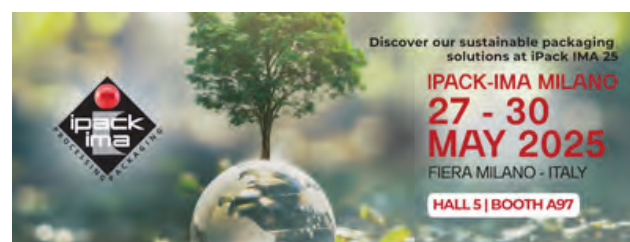
In addition, in response to environmental challenges, Gampack has embraced sustainability by adopting

eco-friendly production processes. The company has introduced sustainable packaging innovations, such as clusters, Mini-trays, Eco-labels, and I-layers, crafted from renewable, biodegradable, and recyclable materials. These solutions reflect Gampack's commitment to reducing environmental impact while maintaining production efficiency—an increasingly crucial factor for customers.

Two Decades of Expertise Driving Gampack Toward New Horizons

Under the leadership of co-founder and President Giuseppe Gazzola, Gampack follows a path of ambitious growth and innovation. A strong management team supports the company's forward-looking strategy, driving success while maintaining Gampack's core identity. With an unwavering focus on innovation and sustainability, Gampack solidifies its leadership in the packaging industry, consistently offering pioneering solutions that meet the evolving challenges of a global market.

www.gampackgroup.com



Green solution Mini Tray

SECTORS

COSMETICS

FOOD & BEVERAGE

PHARMA

B.M. GROUP: EXCELLENCE IN ALUMINUM PROCESSING AND TREATMENT FOR THE INDUSTRY

With over fifty years of experience, the Venetian company stands out for its cutting-edge solutions in CNC machining, surface treatments, and aluminum anodizing, ensuring quality, speed, and international certifications.

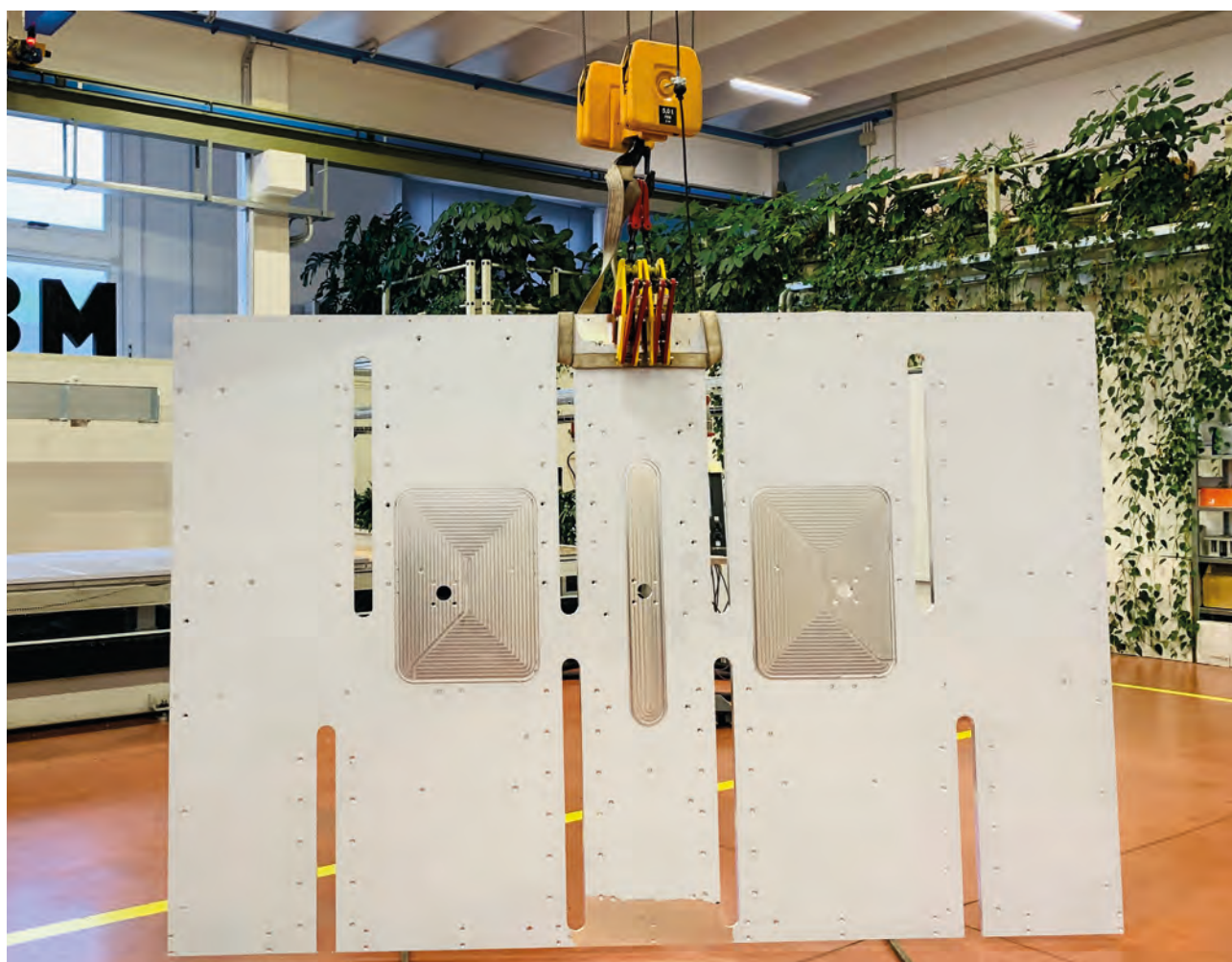


Founded over fifty years ago, **B.M. Group S.r.l.** has established itself as a leader in aluminum machining and treatment, offering complete and certified solutions for the food industry and other industrial sectors.

The company, based in the province of Vicenza, operates two strategically located production hubs in Thiene and Zanè, both easily accessible from major highways. This prime location enhances logistics efficiency and ensures rapid response times to customer needs.

At the helm of B.M. Group is **Silvano Busin**, the company's President and a key industry figure with deep sector expertise, who personally oversees the technical department.

Alongside him, Vice President **Marina Vitacca** manages communication strategies and research departments,





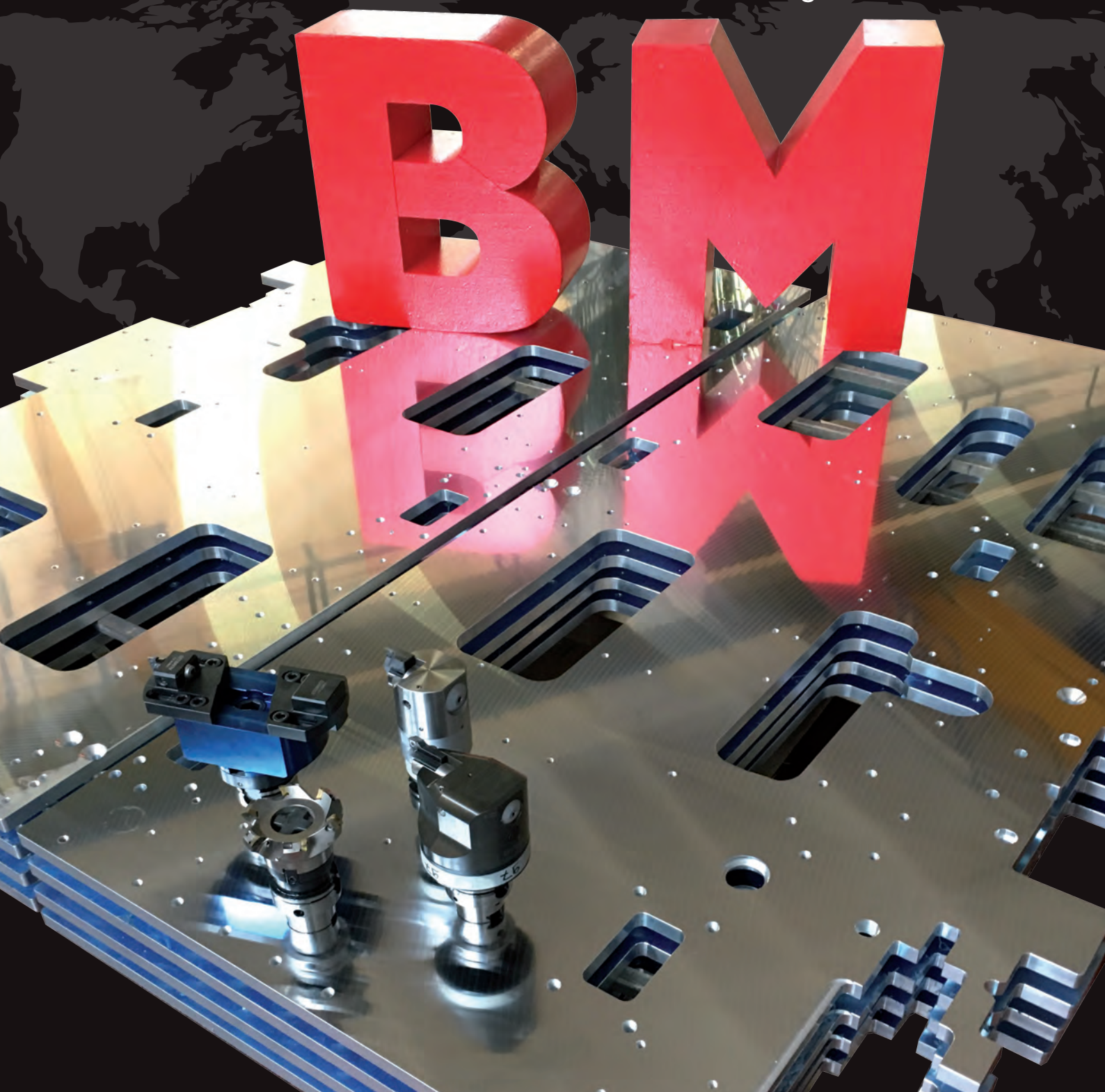
Group
group

LAVORAZIONI MECCANICHE

Qualità, velocità e servizio sono i nostri
punti di forza

MACHINING

Quality, speed and service are our
strenghts



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ensuring an innovative and forward-thinking approach. The company's team consists of young, skilled professionals committed to continuous improvement and professional development.

One of the company's main strengths is its ability to perform **CNC machining on large aluminum plates**, utilizing machinery capable of processing pieces up to 13 meters in length and 2.5 meters in width. This expertise has allowed B.M. Group to establish itself in key European markets, catering to the needs of a niche sector with high-quality standards.

In addition to mechanical processing, the company provides a comprehensive range of **preliminary treatments**, including mechanical brushing with various finishes, chemical pre-treatments, and aluminum anodizing. These integrated services ensure tailored solutions and a high level of customization for clients.

The company's efficiency is further enhanced by a large warehouse that stocks materials in various alloys (such as 5083, 6082, 7075) and different thicknesses. This enables B.M. Group to promptly meet customer demands, reducing lead times and optimizing production efficiency.

The quality of its processes and products is certified by the **ISO 9001:2015** standard, demonstrating a firm commitment to excellence. Upon request, B.M. Group can provide order compliance declarations, **MOCA** certifications (for materials and objects in contact with food), measurement reports, anodizing certificates, and material certificates, all in accordance with the **UNI EN 10204** European standard.



By combining experience, know-how, and passion, B.M. Group positions itself as a reliable and innovative partner for companies seeking cutting-edge solutions in aluminum processing and treatment. Its dedication to continuous improvement and focus on specific customer needs make it a key reference point in the sector, capable of making a difference in the global market.

www.bmgroupsrl.com



Identity, Functionality & Cost Efficiency.

We are a design studio with a comprehensive approach to product development and manufacturing.

**Branding**

Strengthen your brand with targeted, strategic solutions.

**Industrial Design**

Crafting distinctive and highly functional products.

**Engineering**

Delivering customized technical solutions for every requirement.

**User Experience (UX)**

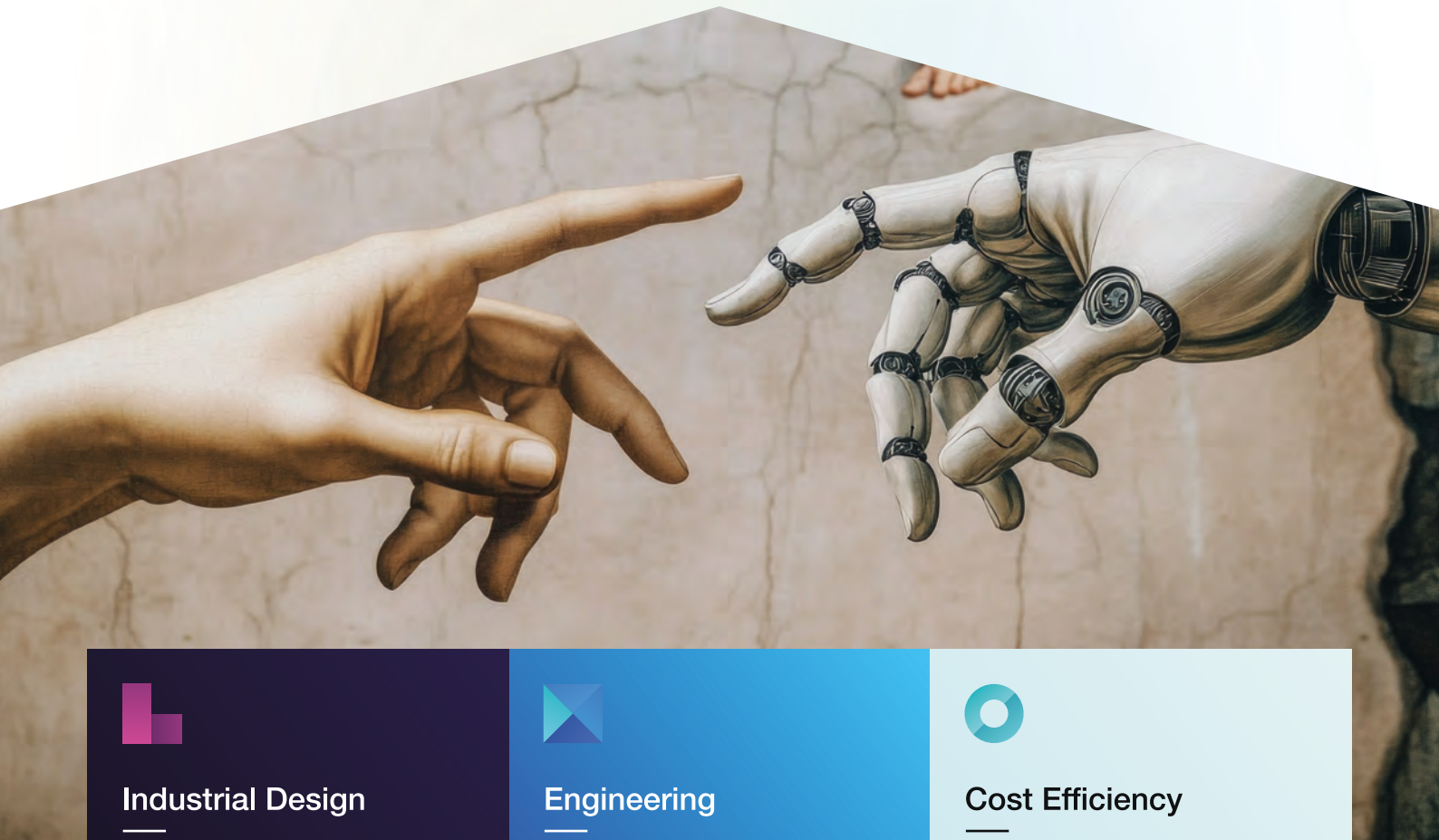
Designing intuitive and engaging digital interactions.

**Prototyping**

Transforming ideas into fully functional prototypes.

**Production**

Implementing precise and innovative manufacturing processes.

**Industrial Design**

We create efficient and cutting-edge products by optimizing materials, production techniques, user experience, technology, market trends, and budget constraints.

**Engineering**

Driven by engineering excellence, we develop solutions that simplify even the most complex challenges, bringing functional and inspiring products to life.

**Cost Efficiency**

Through innovative approaches, we maximize project value while reducing costs, ensuring top-tier quality, performance, and innovation.

DESIGN DRIVING INNOVATION: FROM CONCEPT DESIGN TO ENGINEERING WITH A COST-SAVING APPROACH AND BEYOND

AV Consulting specializes in every stage of product development, from concept design to engineering for serial production. This makes it a valuable partner for startups, small and medium-sized businesses, and large industrial groups. We discussed this with Gabriele Angelucci and Valter Valenti, the company's founders.

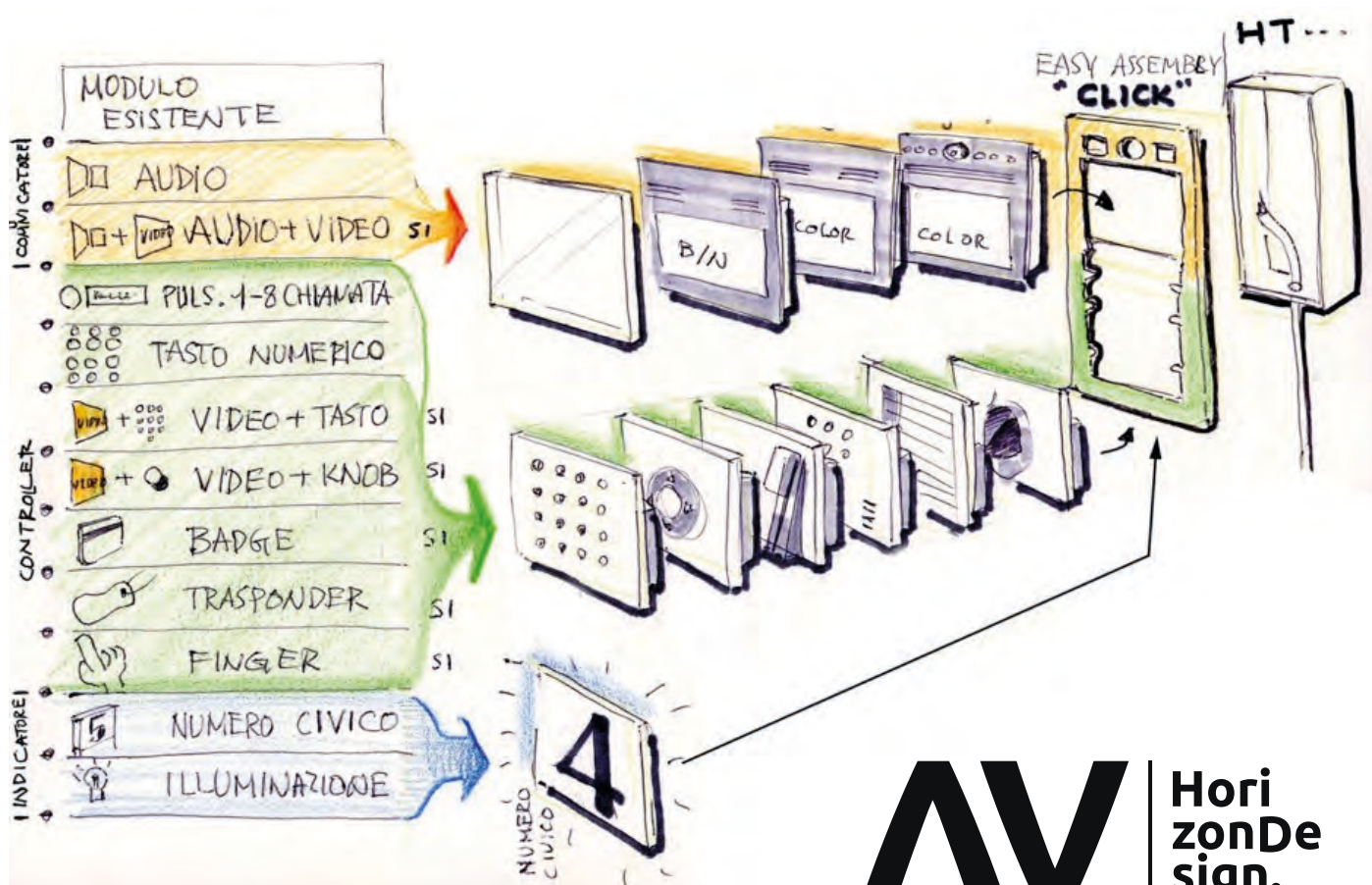
When was AV Consulting founded?

AV Consulting was established in 2008 with a multidisciplinary team of product designers, electronic and mechanical engineers, brand strategists, and marketing professionals. The company operates from two locations: the historic headquarters in Pesaro and the state-of-the-

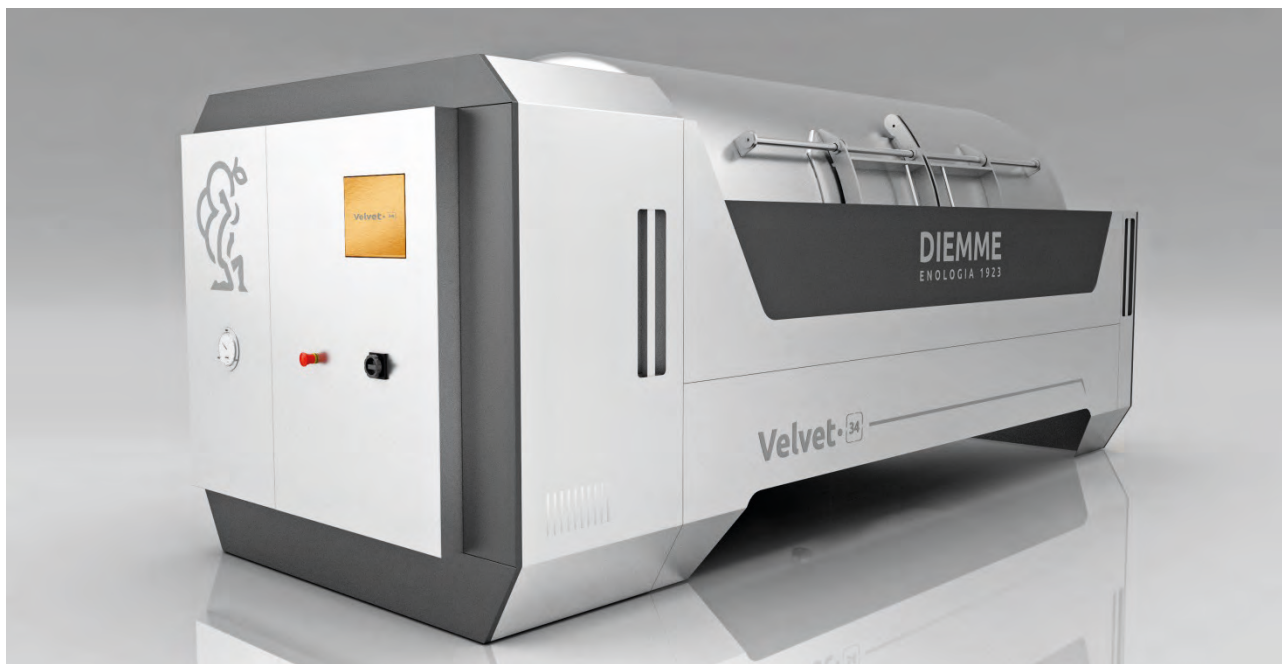
art facility in Santarcangelo. Located in the Marche and Emilia-Romagna regions of Italy, AV Consulting is part of a dynamic network of manufacturers.

What is the philosophy that guides your work as a product designer?

At AV Consulting, we believe that the success of an idea depends not only on creativity but also on its feasibility in the real world. Unlike traditional design studios, we combine engineering expertise with aesthetic innovation, ensuring that every product we develop is functional, efficient, and ready for production. Our team-based approach facilitates the transition from concept to prototype to mass production, optimizing cost-efficiency from the outset.



AV | **Hori
zonDe
sign.**



What are the most significant projects carried out in these 18 years?

- Over the years, we have developed hundreds of products across a variety of industries.
- Home & Professional Appliances: We designed coffee machines for De'Longhi and boiler systems for Ariston.
- Lighting Systems: We collaborated with Osram on advanced lighting solutions.

What is your target market today?

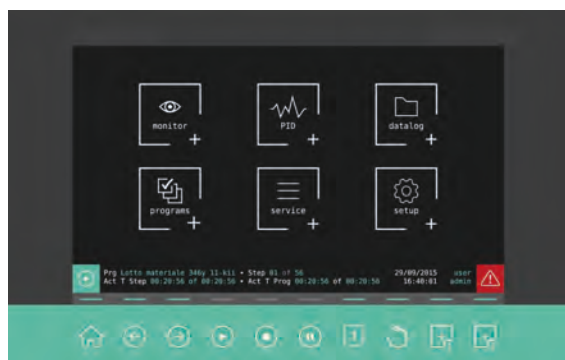
Our main focus is on automatic machine manufacturers,

particularly in the packaging sector, which is of particular interest to us.

When analyzing the machinery industry, it becomes evident that many models from different brands share similar characteristics. Our goal is to provide a comprehensive solution that seamlessly integrates engineering excellence with aesthetic appeal, ensuring a perfect balance between functionality and design.

Design has a dual strength: it both differentiates and attracts. On one hand, manufacturers seek to stand out from competitors, while on the other, end users look for high-performance machines that are user-friendly, feature advanced graphic interfaces, and remain competitively priced. Our mission is to bridge the gap between these two needs.

www.avconsulting.it



SECTORS

✓ INDUSTRIAL DESIGN

✓ UX DESIGN

✓ PROTOTYPING

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-



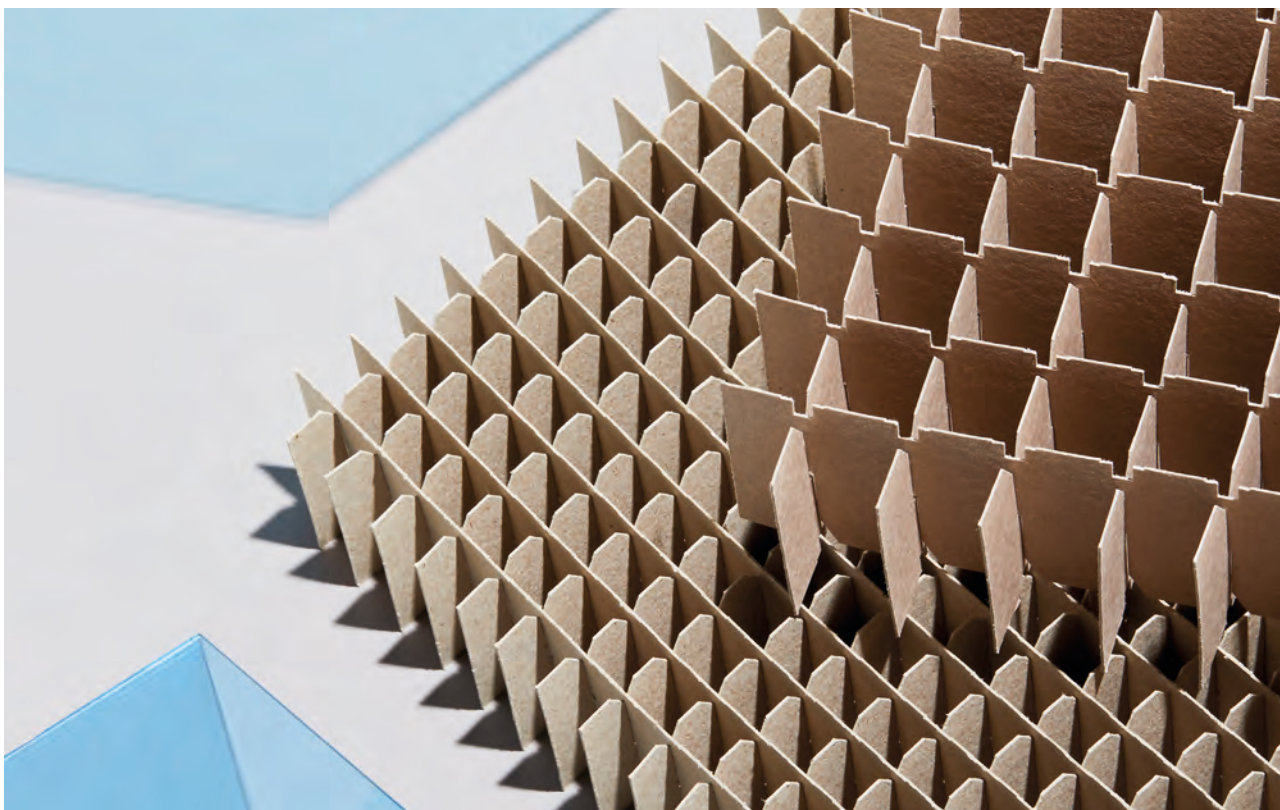
SECTORS

✓ PHARMACEUTICAL

✓ FOOD

✓ COSMETICS





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



**WE ALWAYS
TAKE IT**

**PER-
SON-
ALLY**

In everything we do, we always put people and their needs first. We do so by producing machinery that is modular and flexible, highly customisable, efficient, durable and user-friendly. And designed to combine productivity with low management costs and environmental sustainability.



NEW PROJECT: sales@microlinesrl.it
SPARE PARTS: service@microlinesrl.it



CONVEYORS - WRAPPERS - BUNDLERS - CASE-PACKERS - PALLETISERS

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TAILORED AUTOMATION BY MICROLINE



by
Bignami Giulio
CEO of Microline



With 25 years of experience in industrial automation, Microline stands out for its ability to deliver tailor-made, modular and adaptable systems. Its customer- and product-focused approach, combined with attention to sustainability, meets the evolving demands of an increasingly interconnected industry

Microline is well known for providing tailor-made solutions. What are the key strengths that enable you to meet customers' specific needs so precisely?

We don't start from the machine — we start from the customer's product. Each solution is designed around specific production requirements, leveraging our 25 years of experience and the expertise of our highly specialised internal technical team.

Every machine — be it a bundler, wrapper, bagger or cartoner — is tailored to different types of products, from tissue to food, cosmetics to nonwoven. Thanks to our flexible structure, we can supply both stand-alone machines and complete lines, always ensuring high performance and custom-built efficiency.

Automation and flexibility are key words in your sector. How do you balance technological innovation with adaptability to different production processes?

Flexibility is embedded in our design philosophy. All our systems are modular and scalable, able to manage a wide

range of formats and configurations. Our machines are Industry 4.0-ready and equipped with software for real-time data collection and performance monitoring.

This allows constant supervision and efficiency control, with the ability to customise machine logic according to specific production needs, whether for highly automated environments or more dynamic setups.

What are the most relevant innovations you've recently introduced in your range?

In recent years, we've invested heavily in making our systems more compact, versatile and easy to integrate. Highlights include high-efficiency configurations for packaging industrial rolls and medical sheets, complete lines that combine baggers and cartoners with integrated feeding systems, and machines equipped with fast and simple format change modules that significantly reduce downtime.

We're also working on new solutions to handle sustainable packaging materials, including recycled plastic and bio-based films.



Sustainability is becoming a central topic in industrial automation. How is Microline integrating sustainable choices into its designs?

We follow a practical approach to sustainability: cutting energy consumption, reducing waste, and extending the lifespan of our equipment.

Our machines are designed to minimise material usage, eliminate scraps, and optimise energy cycles. Several models are already compatible with compostable films and low-impact materials. Mechanically, we build for durability, using high-quality components and ensuring easy maintenance to increase reliability over time.

Looking ahead, which markets or industrial segments offer the greatest growth opportunities for Microline?

The tissue sector, particularly folded products and AFH rolls, remains strategic for us, but we are also expanding in the nonwoven segment. Geographically, we see strong potential in Eastern Europe, Latin America, and the Middle East, where demand for automated secondary packaging lines is growing.

At the same time, the retail sector is increasingly asking for flexible and sustainable packaging solutions.

Our goal is to be the go-to technology partner for companies navigating these new challenges.

Visit:

www.microlinesrl.it





PACKAGING FROM THE OUTSIDE: WHAT DO CONSUMERS EXPECT FROM THEIR CONTAINERS?

Packaging is no longer just a showcase: it's about function, clarity, responsibility, ethics, and user experience. Today, it's the consumer who sets the rules, demanding packaging that says less but does more.

For years, packaging has been seen as a messenger: able to convey a brand's philosophy, affirm environmental commitment, promise quality, freshness, and authenticity. But today, we are witnessing a reversal of perspective: it is no longer (just) the packaging that speaks, it is the consumer who asks.

The gaze flips, becoming evaluative. Packaging is no longer just a container: it's a gesture, a signal, an experience. And most importantly, an expected answer.



by
Sonia V. Maffizzoni
Editorial Manager





Among the questions that consumers ask of packaging, there are some increasingly evident requests, which represent real trends in the sector.

First and foremost is functionality: consumers look for packaging that is easy to open, resealable, comfortable to hold, and facilitates precise dosing. To be effective, packaging must be intuitive, practical, and designed with everyday use in mind.

Then, there is the issue of visual simplicity: in an increasingly crowded visual landscape, graphic cleanliness, essentiality, immediate readability are preferred. Consumers often complain, for example, that they cannot easily find the cooking time of pasta on the packaging. A seemingly banal note, which in reality highlights how the essential can be neglected.

The demand for accessible truth follows: advertising claims have less and less traction, while the desire for clear, verifiable, real content grows. The consumer wants to be informed, but does not want to have to do an investigative investigation to discover the origin of raw materials or the meaning of a claim.

Lastly, there is a call for tangible sustainability. Simply printing “eco” or “organic” on the label no longer suffices: consistency is expected across materials, packaging volume and production logic. “Green” is no longer a value-add: it’s a baseline expectation.

Some virtuous examples are beginning to stand out in this evolving scenario. Think of water bottles made from recycled plastic with minimal labeling, or fruit and vegetable trays made from compostable pressed paper. The return of deposit-refund glass bottles in some categories has also been welcomed by a segment of more environmentally conscious consumers.

In all these cases, packaging becomes the first clue that a promise is being kept. And shoppers notice.

Packaging as a user experience

Opening a package is a mechanical gesture, but also an emotional one. And, when it goes wrong, people take notice. Why, in 2025, do some tear strips still break before they’ve even been pulled? Why does the ricotta seal still tear in half, forcing us to peel it off by hand? Some packaging problems seem condemned to remain unsolved, despite technology and innovation.

Just one figure to give you an idea: research by DS Smith estimated that each person in Italy spends an average of 17 minutes a week trying to open difficult packaging, for a total of about 39 days over the course of a lifetime. It is precious time, stolen from simplicity. And in the face of all this effort, these are often design errors that could easily be avoided.

In the specific case of ricotta, the difficulties in opening the tab are probably also linked to physical factors,





such as the viscosity of the product, surface tension and syneresis, which cause adhesion to the lid. But this is precisely the point: designing effective packaging also means considering the behavior of the content. Very important, because ultimately that is where the judgment starts: how much the packaging complicates (or simplifies) our lives. And whoever manages to make the function invisible has already won.

Packaging as a social interface

Beyond containment, packaging is also a language, because it communicates, suggests, tells. And today, it must do so sincerely. Labels are becoming tools for connection, not just promotion.

Buyers demand transparency: comprehensible ingredients, accessible supply chain, real numbers. Technology helps: QR codes, augmented reality, connected apps, and many other innovations that the market is embracing favorably. But be careful: these tools must be open doors, not barriers. A good example? QR codes that lead to a well-organized digital label, where in a few clicks you can read the list of ingredients, understand the origin of the raw materials or have information on allergens. Those who want to learn more, do it. And those who just want clear and fast information, must be able to find it immediately, perhaps already summarized on the front of the package, without having to turn the product around like a Rubik's cube to solve.

Technology, if used intelligently, can simplify: it can lighten packaging, free up visual space, make messages more essential. In an age where everything is communicated, true luxury is to say less, but better.

Packaging as an ethical choice

The ethics of packaging is an expanding subject. It is not just about sustainable materials, but about coherence, responsibility, respect. Packaging is ethical when it does not deceive, when it corresponds to the product it contains, when it is designed with attention to the complete life cycle. In fact, there is a subtle and precious respect that passes through packaging. Respect for those who buy, first of all: less materials, less space, less time wasted figuring out where to throw each piece. Well-designed packaging makes life easier: at home, at the supermarket, in recycling. The tendency to minimize goes beyond sustainability: it is a gesture of care. Less is more, here as elsewhere. Those who buy notice the benefits, and reward them.

Inform, tell, protect, stimulate, conserve. All true. But today the consumer also asks much more from packaging: to lighten, simplify, respect.

Respect for those who buy: in usability, in clarity, in coherence. Respect for the planet: in design, in the logic of materials, in ease of disposal. In essence, the packaging of the future is one that does not weigh: neither in the hands, nor on the conscience.



BBM Service Srl

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BY YOUR SIDE IN PACKAGING

Machines already available.

In its showroom of 10.000 sqm, BBM offers a great selection of used machinery, including blow molders, fillers, labellers, shrink wrappers, palletizers, and stretchwrappers.

BBM is the solution to revamp your plant with reduced investment. BBM is the only company that takes care of the bottling line's entire life-cycle: from market analysis, to layout study, and installation. **Much more:** BBM follows the decommissioning of the old line, and takes over your used machinery!

Technical support. A team of over 50 technicians offers a complete range of services to support the customer throughout the life cycle of machines from the main OEMs.

BBM is a leading player in the maintenance, dismantling, installation, start-up, and conservative relocation of bottling lines for the main food & beverage companies

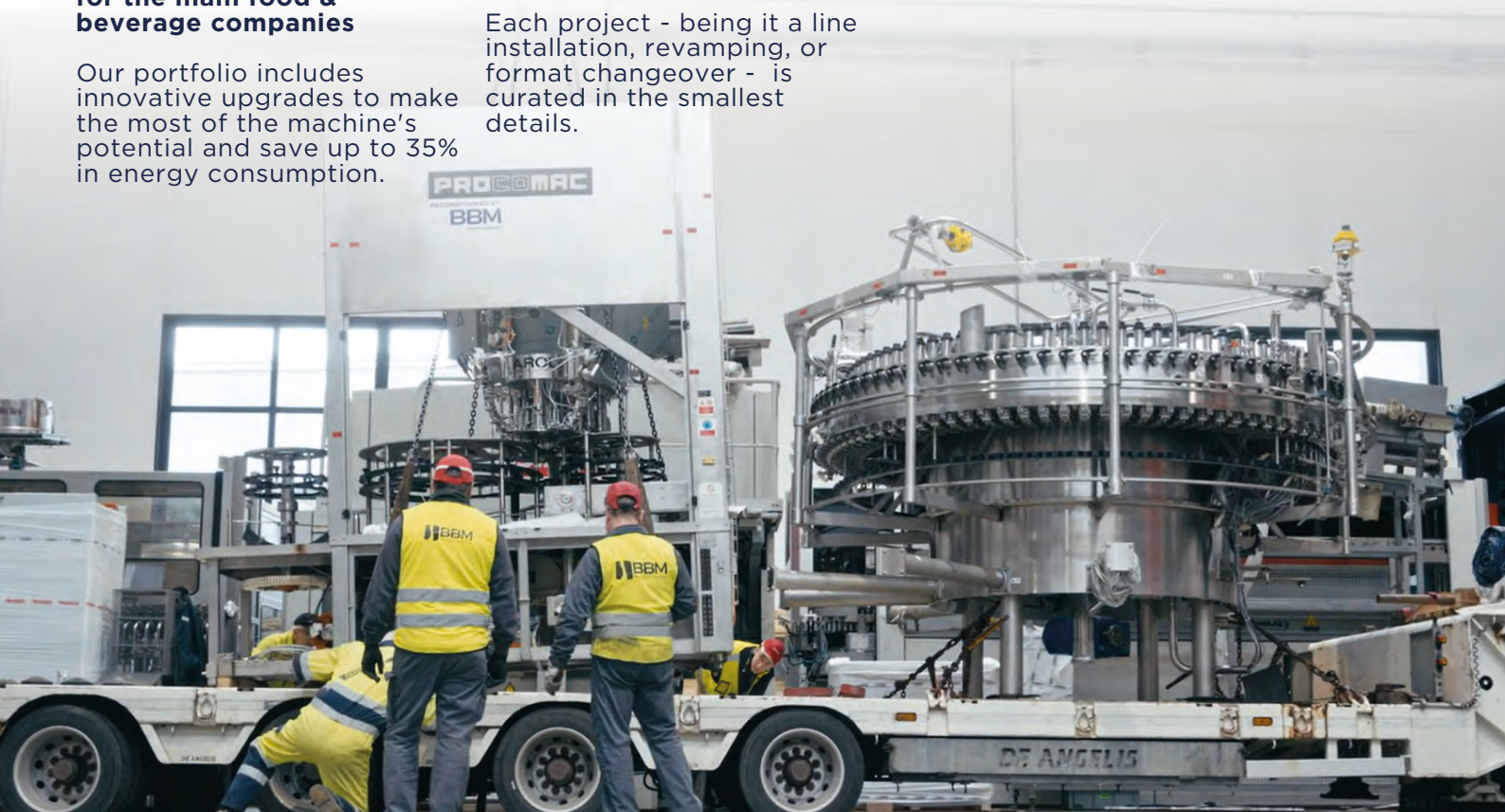
Our portfolio includes innovative upgrades to make the most of the machine's potential and save up to 35% in energy consumption.

Spare parts. BBM's mechanical and electronic spare parts are compatible with machines from the major OEMs. The highest quality of free pass material is provided at prices 10-20% lower than market average; BBM's team of foreign agents facilitates spare parts supply in EU and EXTRA-EU territories.

Each project - being it a line installation, revamping, or format changeover - is curated in the smallest details.



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SECOND-HAND
BOTTLING MACHINES**



FLOW PACKS, POUCHES, CUPS, CAPSULES AND DOYPACKS: EACH FOOD PRODUCT HAS ITS OWN TYPE OF PACKAGING

The world of packaging for the food sector is always in search of new solutions that provide customers with products that are safe and easy to use, capable of preserving their texture and flavor characteristics over time, made from sustainable materials and able to meet the needs of an extremely diverse and competitive market.

Today, countless types of food packaging are available that ensure excellent performance in terms of safety, ease of transport, storage, and use, and which are especially popular for the single-serving packaging of products offered to the public in bulk or in multipacks. Among these types of food packaging, we can mention:

- **Flow pack:** flexible and durable, it is made from plastic films, sometimes laminated with aluminum, which are wrapped around the product and then heat-sealed. Ideal for packaging a wide range of products, such as dried fruits, snacks, chocolate bars, cookies, crackers, and so on. Flow packs can be sold individually, possibly within specially designed display boxes, or packaged and sold in multipack boxes containing a certain number of individual packets, all packaged to ensure maximum freshness. If needed, flow packs can be designed to be resealable, through the insertion of zippers or adhesive labels, and often feature pre-cuts that facilitate opening and reduce the risk of tearing.
- **Pouches:** these are flexible packaging made from plastic films that can be laminated if needed. However, unlike flow packs, they are not necessarily wrapped around the product but can be formed, filled, and then heat-sealed. Pouches can be used to contain countless types of products, but they are particularly popular for packaging fruit juices, drinkable yogurt, beverages in general, and baby products. The option to integrate a plastic cap makes consumption and resealing easier, making them ideal for on-the-go use.
- **Doypack:** a variation of pouches, also made from heat-sealed plastic films, characterized by the presence of a flat-bottomed base that allows the product





to be placed upright. This feature makes it particularly suitable for displaying doypacks on supermarket shelves, allowing them to be arranged neatly, without compromising the lightweight and space-saving qualities typical of flexible packaging.

- **Capsules:** this particular type of rigid packaging is primarily used for packaging coffee and other soluble products that need to be perfectly sealed and isolated from the surrounding environment to preserve their organoleptic characteristics, preventing contact with air, light, or moisture. Capsules can be made from various plastic materials, aluminum, or biodegradable materials that allow them to be disposed of as regular wet waste without the need to separate individual components.



GPI GROUP, with its extensive experience in food product packaging, is able to provide each customer with targeted and personalized consulting, helping them to identify the most suitable packaging type and automated industrial solutions in line with their needs.

- **Cups:** rigid containers designed to hold products such as yogurt, or ready-to-eat meals such as soups, desserts, and precooked meals. They are generally made from rigid plastic, food-grade cardboard, or compostable material, and can be sealed with lids or heat-sealed films. In some cases, they feature both a reusable lid and a film that must be discarded upon first opening. This type of packaging is particularly versatile and valued for its convenience and lightweight nature, as well as for the important guarantees it provides in terms of sealing and food safety.

www.gpindustries.eu



SECTORS

PACKAGING

All of these types of packaging offer extensive customization possibilities and can be produced in a wide variety of formats and sizes, depending on the needs of the manufacturing company. However, it is crucial that their design is completed in an accurate and customized manner, identifying solutions that combine safety with the efficiency of the packaging systems.

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

 **LAWER**[®]
dosing & dispensing systems

SECTORS

 **COSMETIC**



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

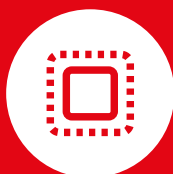


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OMETEC: EXCELLENCE IN PACKAGING SOLUTIONS



by
Gianluigi Raponi
CEO and Chief Sales Officer



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.

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 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. With ISO 9001, ISO 45001, and ISO 14001—currently in the process of being obtained—we 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 are working towards UNI PDR 125 certification for Gender Equality, promoting equal opportunities and valuing diversity within our team.

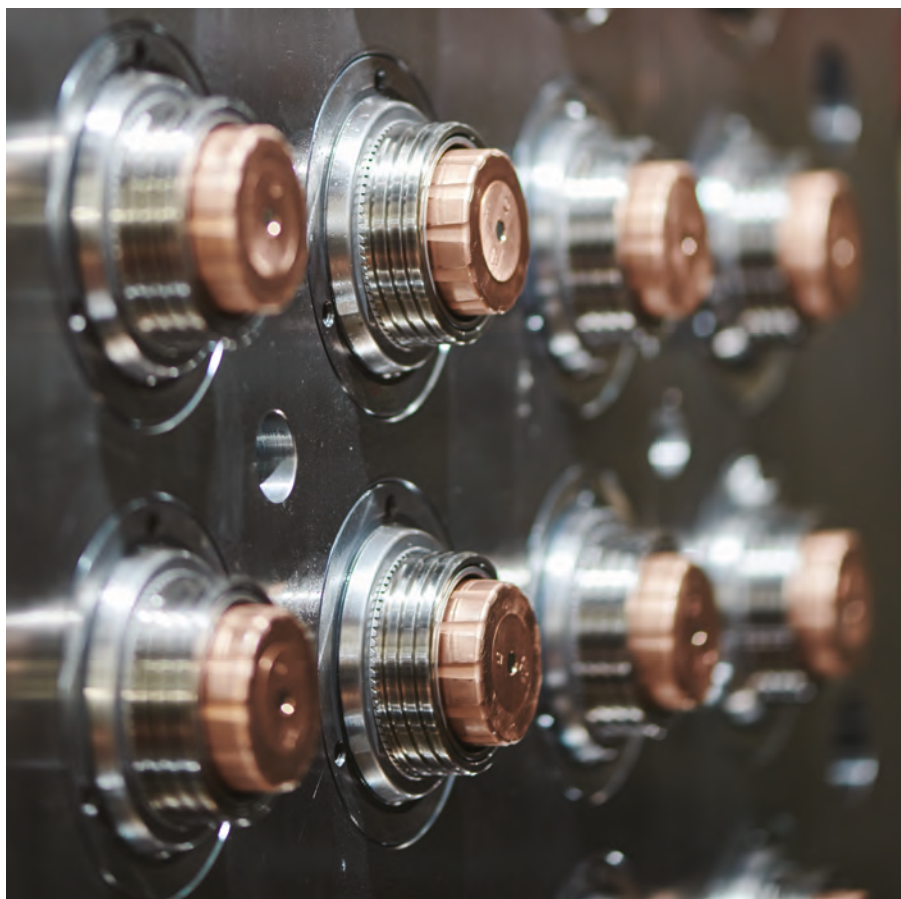
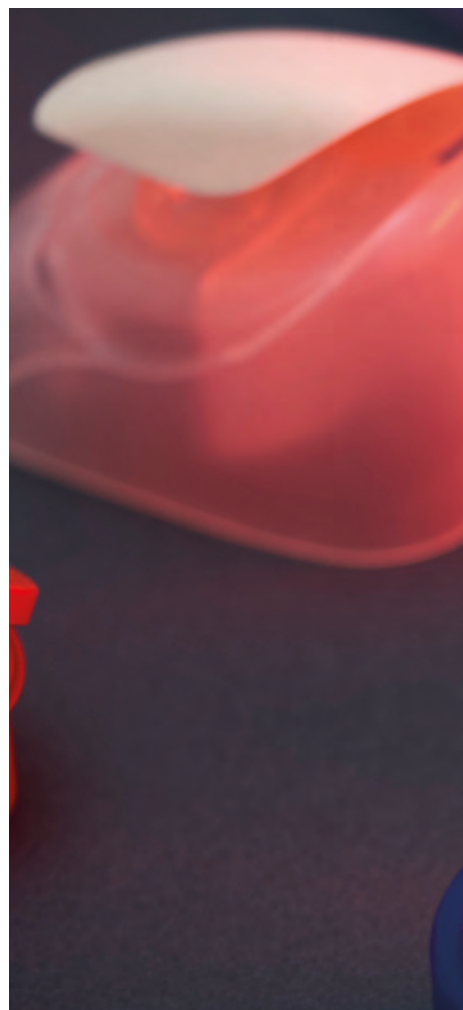
International expansion and future growth

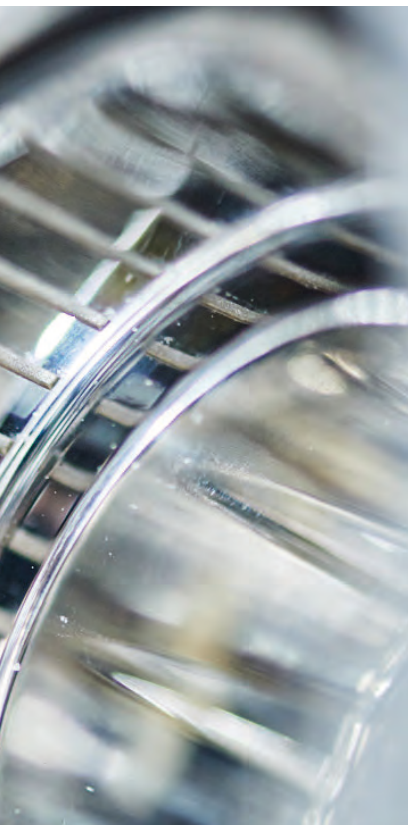
You are investing in trade shows and foreign markets. What are your growth objectives, and what opportunities do you see in the international packaging sector?

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





BUILDING A SUSTAINABLE FUTURE TOGETHER AT PROPAK ASIA 2025

ProPak Asia 2025 is set to return as a pivotal event in the dynamic world of processing and packaging, a sector constantly evolving due to technological advancements, changing consumer behavior, and increasing emphasis on sustainability. As the premier exhibition for processing and packaging in Asia, this event is recognized as a must-attend for industry professionals who need to stay ahead of the curve, discover innovative solutions, and engage in meaningful discussions on industry trends.

Entering its 32nd edition, ProPak Asia has steadily grown in importance over the years. It is not just an exhibition; it serves as a key platform for networking, investment, and industry collaborations.

In 2025, the event will once again offer attendees the opportunity to explore cutting-edge developments in a wide range of sectors, including packaging and processing technology, pharmaceuticals, logistics, material handling, cold chain, and more. Attendees will be exposed to the latest trends and innovations shaping the future of the industry, all under one roof.

Following the remarkable success of ProPak Asia 2024, which saw over 68,000 visitors and more than 2,000 exhibitors from 42 countries, the upcoming event promises to build on this momentum.

Whether they are a startup, SME, or established enterprise, ProPak Asia 2025 will provide invaluable insights and

PROPAK ASIA



business opportunities. The exhibition will feature eight industry-focused zones: ProcessingTechAsia, PackagingTechAsia, DrinkTechAsia, PharmaTechAsia, Lab&TestAsia, PackagingSolutionAsia, Coding,Marking&LabellingAsia, and Coldchain,Logistics,Warehousing&FactoryAsia. Each zone is designed to cater to specific market needs, offering comprehensive solutions that address the entire supply chain, from processing and packaging to logistics and warehousing.

In addition to the exhibition, ProPak Asia 2025 will host a series of highly anticipated activities and seminars.

Building on the popularity of past events, highlights will include the Global Packaging Forum, executive talks on future industry trends and sustainability, the Future Food, and specialized zones like Design Box and Lab&Test Theatre.

These sessions will offer participants the chance to engage with thought leaders and stay up to date on critical developments in the industry.

Sustainability will take center stage at ProPak Asia 2025, with a renewed focus on environmentally friendly practices. The event's theme, "Carbon-Neutral Pathways to a Sustainable Processing and Packaging Ecosystem," reflects the growing global demand for more sustainable business practices.



The 32nd International Processing and Packaging Exhibition for Asia

PROPAK ASIA

11-14 JUNE 2025

BITEC, Bangkok, Thailand



Carbon-Neutral Pathways
to a Sustainable Processing and Packaging Ecosystem

For more information

ProPakAsia.com



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Organised by:



Sustainability / Our Efforts Recognised:



Event Sustainability Standard:



Endorsed by:



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With increasing pressure from both customers and governments, businesses must adapt sooner rather than later to benefit in every dimension.

ProPak Asia aims to provide a platform where companies can explore carbon-neutral solutions, paving the way toward a more sustainable future.

Set to take place from 11 to 14 June 2025, at BITEC in Bangkok, ProPak Asia 2025 will occupy Halls 98-104, offering exhibitors and visitors a rich environment for exploring innovations and creating business opportunities. As

much more than just an exhibition, ProPak Asia continues to foster a thriving community where the industry can invest, grow, collaborate, and transform together.

**For more information
about the show, please visit
www.propakasia.com**

**For further information, please contact
nednapa.l@informa.com**



THE IMPORTANCE OF DEBURRING IN MODERN MANUFACTURING

Deburring's critical impact on product quality, workplace safety, and operational efficiency cannot be overstated. In metal processing, burrs - unwanted rough edges or protrusions - are an inevitable byproduct of cutting, machining, or welding. This article highlights the essential role of deburring in ensuring high-quality manufacturing outcomes and streamlining operations.

What is Deburring, and Why is It Crucial?

Burrs can be classified into two primary categories: thermal burrs and mechanical burrs. Thermal burrs are created during processes involving heat, such as plasma cutting, while mechanical burrs arise from metal-to-metal contact, like punching or machining. Regardless of the source, these imperfections can have far-reaching consequences if not properly addressed.



An example of before and after deburring.

Proper deburring eliminates these rough edges, which can pose significant safety hazards and quality issues. Sharp edges can injure workers, damage manufacturing equipment, or compromise the safety of the end user. In metal fabrication facilities, workplace safety is a top priority, and deburring plays an essential role. By eliminating sharp edges, manufacturers can reduce the risk of injuries to workers handling the components. This proactive measure minimizes the likelihood of costly and concerning workers' compensation claims and fosters a safer working environment.

Deburring ensures smoother and safer handling during manufacturing and throughout the product's lifecycle. Safety isn't just an added benefit - it's a critical aspect of

the manufacturing process that underscores the value of effective deburring.

Moreover, deburring contributes to the production of high-quality components. Removing burrs promotes better welding and paint adhesion, improves the appearance of finished products, and ensures compliance with industry standards. Without deburring, paint or powder coatings may fail to adhere properly to surfaces, leading to premature wear and higher warranty claims. These claims can be costly, requiring manufacturers to replace or repair faulty parts, process returns, and potentially lose customer trust, impacting long-term business relationships. Additionally, rejected parts during quality control create inefficiencies that ripple through the production line, generating unnecessary waste.

From a sustainability perspective, effective deburring helps reduce material waste and energy consumption. By ensuring components meet quality standards the first time, manufacturers can avoid rework and the environmental cost of scrapping defective parts. This aligns with broader industry trends toward sustainable manufacturing practices, as minimizing waste and optimizing processes contribute to a smaller environmental footprint. In this way, deburring not only enhances product quality and customer satisfaction but also supports a more sustainable and cost-efficient production process.

Modern Solutions: Efficiency and Effectiveness

The efficiency of deburring processes has advanced significantly, with modern deburring machines setting new standards. In the past, manufacturers relied on labor-intensive manual deburring methods or noisy tumbling processes that were time-consuming and often inconsistent. Tumbling, for instance, involved placing smaller parts into a large vibrating bowl filled with abrasive materials. While functional, this method creates an unpleasant work environment and lacks precision. Modern deburring machines, in contrast, provide a quieter, cleaner, and more efficient alternative. Newer systems allow manufacturers to deburr both sides of a component simultaneously in a single pass. This dual-sided deburring capability minimizes handling time, reduces operational costs, and ensures consistent quality across all parts.

Additionally, advancements in edge rounding are address-

ing evolving industry needs. Where sharp edges were once more acceptable, many applications now require edges to be completely rounded and smoothed. This change reflects a growing emphasis on consumer safety.

Beyond safety and efficiency, deburring significantly impacts the quality and performance of metal products in subsequent processes like coating, welding, and painting. For example, when parts are cut using a CO₂ laser with oxygen as an assist gas, they develop a black oxide layer on their edges. This oxide layer hinders paint adhesion, leading to flaking or corrosion over time.

Some modern deburring machines can be used to remove such oxide layers, ensuring clean, paint-ready surfaces. This capability enhances the durability of coatings, prolonging the lifespan of components and reducing the need for rework or repairs. In welding applications, properly deburred edges improve joint quality and reduce the risk of weld defects, contributing to stronger, more reliable products.

Cost Savings and Efficiency Gains

One of the most compelling benefits of modern deburring techniques is their ability to reduce production costs while increasing efficiency. Manual deburring methods are not only labor-intensive but also inconsistent, leading to variability in product quality. By transitioning to automated deburring machines, manufacturers can achieve consistent, high-quality results at a faster pace.

For example, dual-sided deburring in a single pass reduces the number of times a part needs to be handled, cutting down on labor costs and processing time. Over time, these efficiency gains translate into substantial cost savings, particularly for high-volume production environments.

Industry Applications and Considerations

Deburring is a critical process for any industry that cuts flat metal, from OEMs to job shops. Whether working with thin gauge materials or thick plates up to 4.5 inches, manufacturers across sectors benefit from advanced deburring solutions. These industries include automotive, aerospace, construction, and heavy equipment manufacturing, where precision and durability are paramount.

When selecting a deburring solution, manufacturers should consider several factors:

- **Material Type:** Are multiple materials, such as carbon steel and brass, being processed in the same machine? If so, a wet machine might be necessary to manage mixed materials effectively.

- **Surface Finish:** Does the product require a specific appearance, or is basic deburring sufficient?
- **Processing Needs:** Is dual-sided deburring required, or is single-sided processing sufficient for the application?
- **Edge Rounding Requirements:** Many modern applications demand specific edge rounding to meet safety and quality standards.

By carefully evaluating these factors, manufacturers can choose the right deburring solution to meet their specific needs.

Meeting Industry Standards and Regulations

Compliance with industry standards and regulations is another area where deburring plays a pivotal role. For instance, many industries require specific edge finishes or paint adhesion characteristics to ensure safety, durability, and performance. LISSMAC's machines are designed to meet these exacting requirements, offering customizable solutions for a wide range of applications.



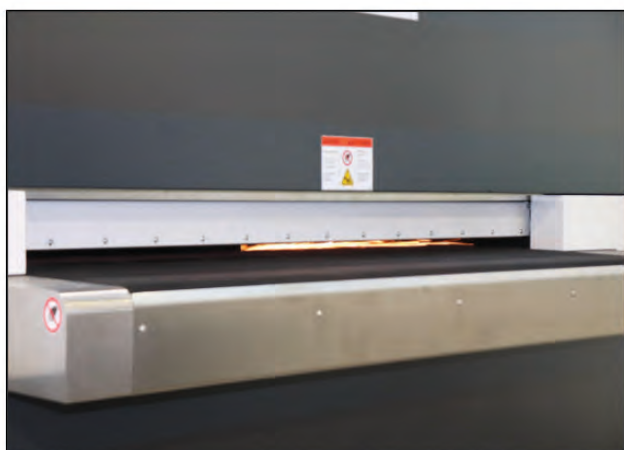
LISSMAC's SBM-L G1S2, developed for deburring and edge rounding of workpieces in a single pass.

Whether it's achieving a precise edge radius or preparing surfaces for powder coating, LISSMAC systems deliver results that align with stringent industry specifications. This capability not only simplifies compliance but also enhances the overall quality of manufactured products.

LISSMAC's commitment to innovation and efficiency sets its deburring solutions apart. By combining dual-sided processing, edge rounding, and advanced automated capabilities, these machines provide a comprehensive solution for modern manufacturing challenges. The ability to handle a wide range of materials and thicknesses ensures that LISSMAC systems are versatile enough to meet the needs of diverse industries.

Deburring and Automation: A Growing Opportunity

Automation is becoming increasingly relevant in the deburring world, particularly for tasks like loading and unloading parts into machines. While fully automated deburring processes are still emerging, the integration of automation technology into LISSMAC's systems is already making strides in improving efficiency and reducing manual labor.



The automation technology into LISSMAC's systems improves efficiency and reduces manual labor.

This shift is especially significant as manufacturers seek to address labor shortages and improve productivity. Automating repetitive tasks such as part handling reduces the burden on workers and ensures a more streamlined production process.

Conclusion

Deburring is more than just a finishing touch - it's a critical step in the manufacturing process that impacts safety, quality, efficiency, and compliance. As industries demand higher standards and faster production times, LISSMAC's advanced deburring solutions are leading the way. By investing in modern deburring technology, manufacturers can not only improve their processes but also position themselves for long-term success in an increasingly competitive market.

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MAGAZINES AND MORE

WHEN INTELLIGENCE WRAPS THE PRODUCT: AI AND PACKAGING, THE NEW INTERFACE WITH THE CONSUMER



by
Elisa Crotti

From adaptive design to personalized experiences, artificial intelligence is transforming packaging into a smart interface—capable of speaking to, and even listening to, the consumer.

The future is here, unfolding bit by bit before our eyes.

What does artificial intelligence have to do with a box of cookies or a can of beer? More than you might think. In an era where every element of a product becomes an experience, a relationship, an added value, packaging too is undergoing a radical evolution. From passive container to active interface, from protective barrier to intelligent communication tool. And AI is the key driver enabling this leap.

AI in packaging: a silent revolution

Today, artificial intelligence is already active throughout the entire packaging supply chain—often quietly, but powerfully. From predictive analysis for design optimization to usage





simulations that improve pack usability, AI technologies are making processes more efficient, sustainable, and targeted. Machine learning systems analyze sales data, user feedback, and market trends to suggest increasingly personalized and high-performing packaging solutions. AI also helps reduce waste by selecting materials and formats better suited to actual logistics and distribution needs. It's a quiet actor—present, discreet, but incredibly powerful.

In the world of connected packaging, advanced QR codes, NFC tags, and integrated apps are enhanced by AI: no longer just static links, but intelligent gateways to dynamic content and interactive relationships.

A concrete example is a detergent bottle that, when scanned with a smartphone, activates a virtual assistant offering personalized usage instructions based on the user's habits, suggesting the ideal amount to use or notifying when it's time to reorder.

Another case involves the smart labels on certain wine bottles: scanning the NFC tag gives the consumer access to multimedia content that tells the producer's story, suggests perfect food pairings, and even shares curated

playlists for the tasting experience. These are immersive journeys that transform packaging into a key tool for loyalty and brand identity.

Packaging as a social interface

With the help of artificial intelligence, packaging is becoming a real relational tool. And it's not just about technology—it's about vision: thinking of packaging as a social interface means recognizing that every package speaks to those who see it, touch it, open it. AI can amplify this communication, making it more accessible, empathetic, and inclusive.

Consider the potential for people with visual impairments, motor difficulties, or the need for simplified information: smart packaging, through the integration of AI with voice or visual interfaces, can become a valuable ally. And it can do so discreetly and respectfully.

Furthermore, by processing behavioral data and leveraging predictive capabilities, AI allows for tailored consumer experiences: messages that change depending on context (for example, a package offering different recipes based on the time it's scanned), personalized





suggestions, storytelling adapted to the buyer's identity. Picture, for instance, a cosmetics package suggesting a personalized beauty routine based on the user's estimated age, online shopping habits, or even skin type—creating a unique and engaging experience.

In this way, packaging becomes an active part of shaping the product's perceived value.

Ethics, manipulation, standardization: the grey areas

But like any powerful tool, artificial intelligence comes with responsibilities. What are the risks of packaging becoming “too smart”? Could it become a means of manipulation, nudging consumers toward decisions

influenced more by predictive design than actual product content? And how authentic is a message tailored by AI to appeal to everyone?

There's a risk of aesthetic homogenization, of flattening visual languages. But on the flip side, there's also the potential to reflect complexity, diversity, and nuance. It all depends on how we use it: the strategic vision of the company ultimately shapes the meaning and impact of the technology.

Looking ahead, the scenario becomes even more fascinating. Prototypes are already being developed for packaging that collects data on physical interactions with the product—opening time, usage method, consumption context. This data, processed in real time, can generate new iterations of the packaging itself.

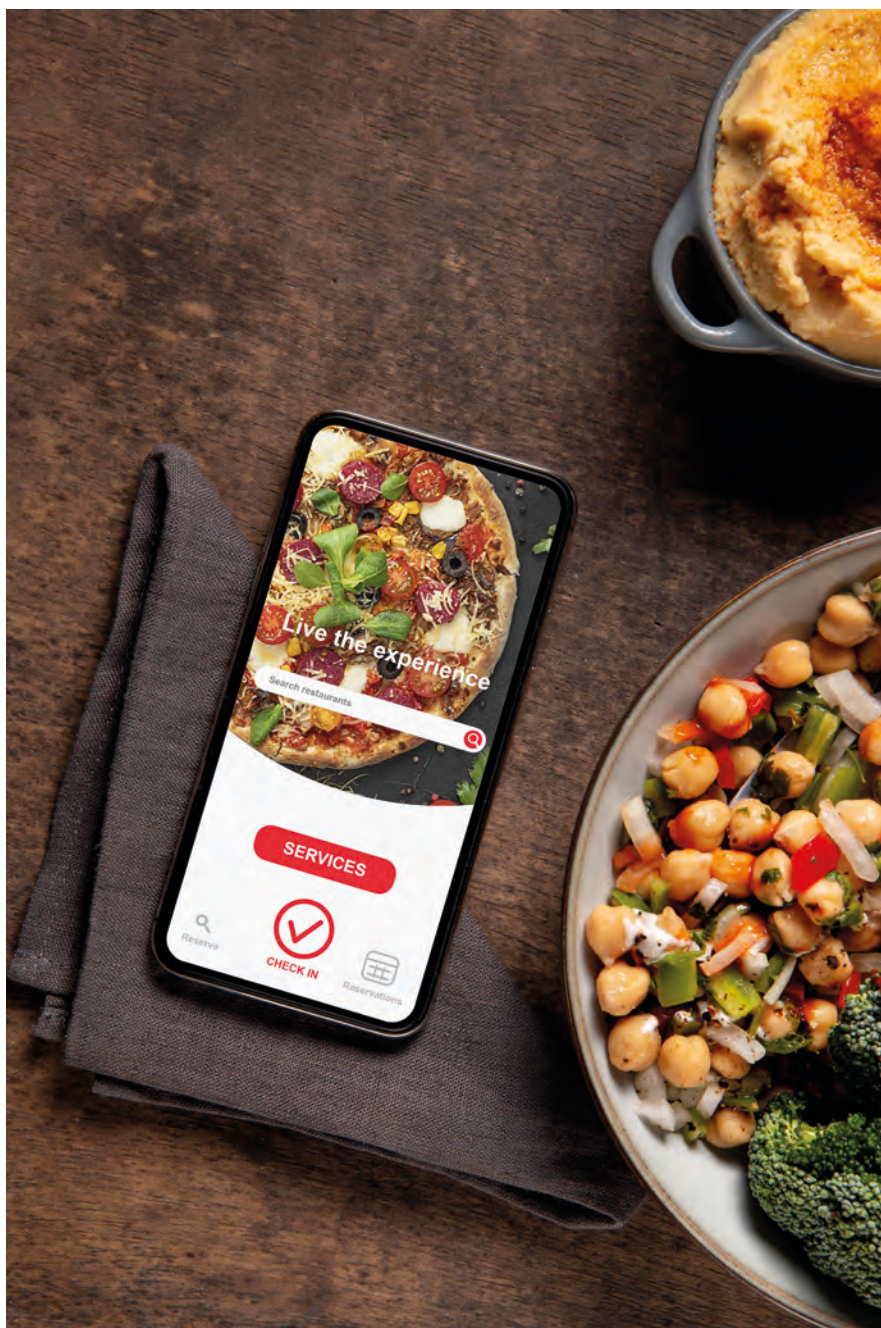
Imagine packs that adapt to the climate, location, time of day—or even the user's emotional state detected through biometric parameters (yes, that future is already here).

Packaging thus becomes a living organism, a conversational tool, a node in a relational network linking brands and individuals, logistics and communication, technology and desire. How much of this translates into consumer loyalty? We're only at the beginning of the story.

What is clear is that packaging is no longer a neutral shell

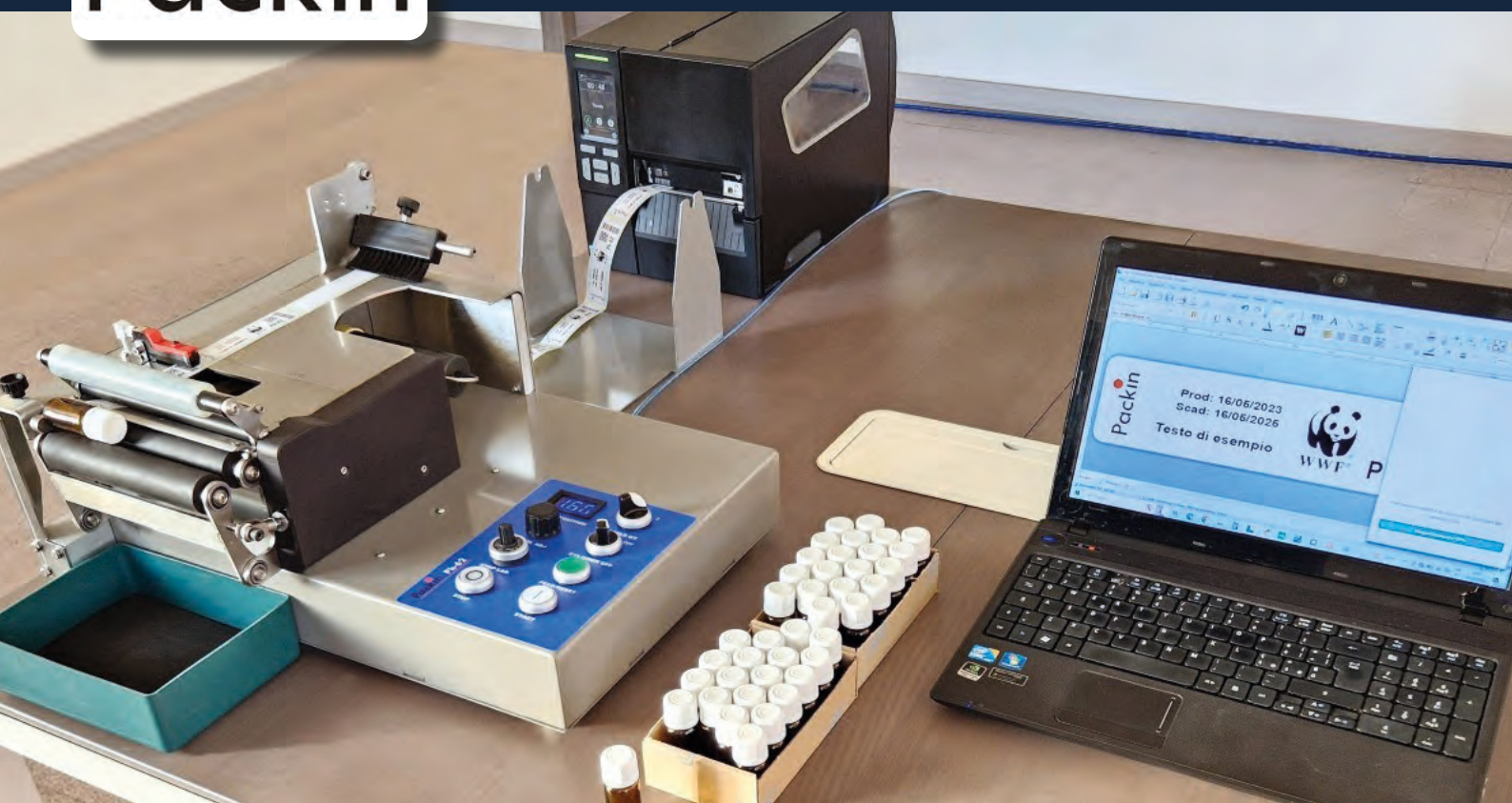
Artificial intelligence doesn't just make packaging smarter—it makes it more alive. It's no longer an accessory, but a protagonist. Once there was the product, then came branding—today, we have dialogue. And increasingly, that dialogue comes through a package that knows what to say, when to say it, and sometimes even to whom.

A digital brain inside the wrap—one we must learn to understand, because it's all around us.

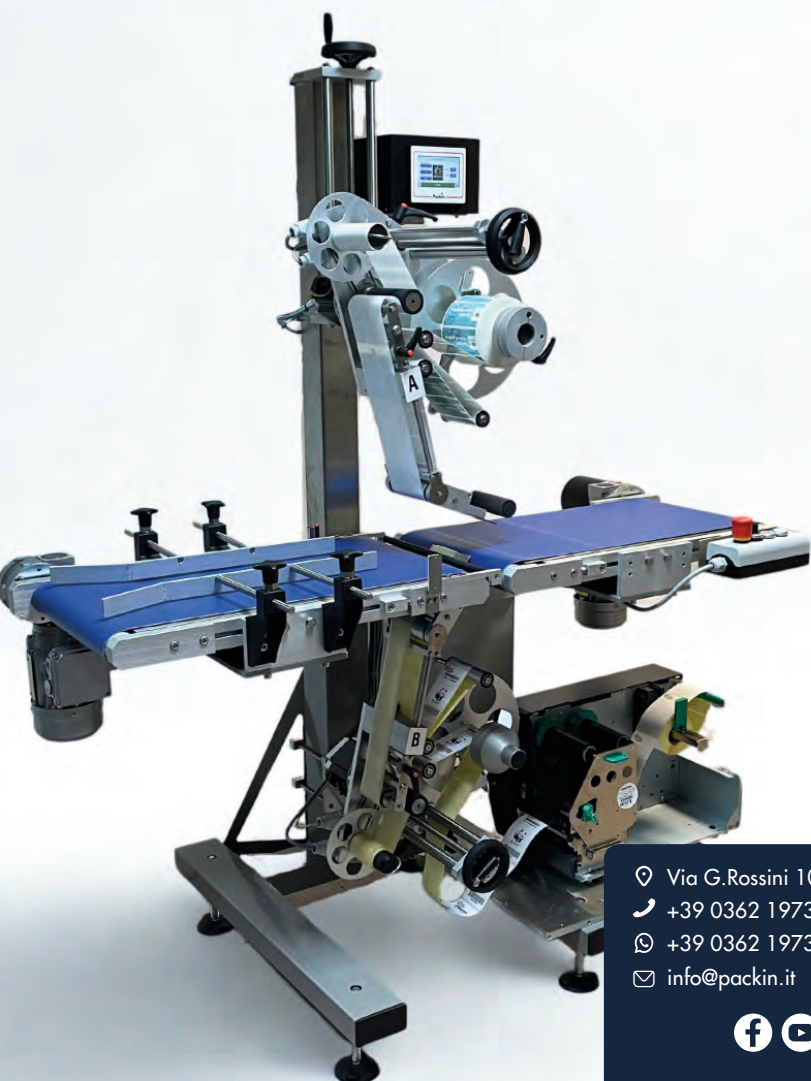


Packin

INDUSTRIAL LABELING AND MARKING SYSTEMS



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FLEXIBLE, MODULAR, RELIABLE: PACKIN'S APPROACH TO INDUSTRIAL LABELLING AND MARKING



by
Colzani Mario
Owner of Packin



Packin

In an industry where reliability and customization are no longer optional but essential, Packin stands out for its flexible approach to industrial labelling and marking. From Print & Apply systems to semi-automatic solutions, the company supports customers across a wide range of industries with modular, highperformance machines, always maintaining a strong focus on technological advancement and overall product quality.

Packin is well known for its industrial labelling and marking solutions. What are the main industries you serve, and how do you tailor your solutions to their specific needs?

We don't operate within rigid market boundaries. Our machines are supplied to clients in the food, cosmetics, and pharmaceutical sectors, among others. Thanks to our flexible design philosophy, we can meet the demands of very different industries, customizing each system to fit the specific operational context.

Print & Apply technology is one of your key specializations. What advantages does it offer compared to other labelling systems, and how does it integrate into automated production lines?

Packin's Print & Apply systems are also designed to be modular and highly flexible. The machines can independently

accommodate 4" or 6" print engines, ensuring maximum adaptability to production needs and delivering significant cost savings, which are reflected in the final price to the customer. This scalable configuration ensures high versatility and seamless integration into any automated production line.

In addition to machinery, you also supply consumables and technical support. How do you ensure operational continuity and high-quality after-sales service for your customers?

We provide technical support via phone, video call, or WhatsApp. When software intervention is required, we offer remote desktop assistance, allowing us to act directly on the customer's PC. This ensures a fast and effective service, minimizing downtime. On-site support is also available when necessary.



Technological innovation is key in your industry. What are the main challenges you face when developing new solutions, and how do you address them?

The primary challenges are machine reliability and the ability to ensure production continuity for our customers. To meet these challenges, we focus on the continuous evolution of our technology and the ongoing improvement of our systems.

Looking ahead, what trends or changes do you foresee in the labelling and marking industry, and how is Packin preparing to respond?

Cost pressure is becoming an increasingly critical issue. With the entry of Asian products into the Italian and European markets, manufacturers must offer high-quality products at competitive prices.

Customers are seeking solutions that are both reliable and economically sustainable. For this reason, we have embraced a modular approach to machine design, which allows us to optimize production costs and accelerate delivery times.

One of the defining features of Packin's equipment is the comprehensive standard configuration: components that are typically offered as optional extras by others are often included as standard in our machines, providing a clear advantage in terms of both functionality and return on investment.

Visit:
www.packin.it





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

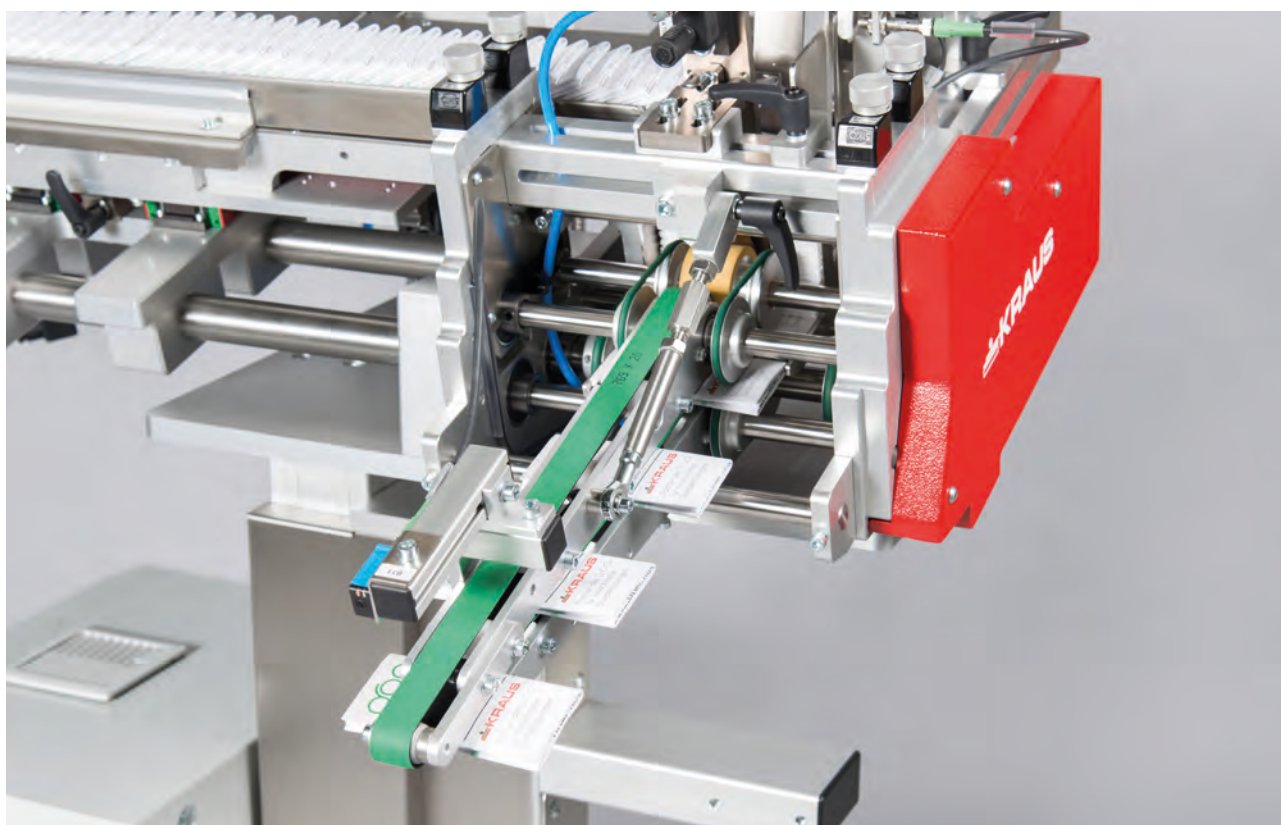
In the Food & Beverage sector, food safety is a top priority. The hygienic design of machines and plants, especially for primary packaging, plays a crucial role in protecting food products.

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



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PACKAGING

LOGISTICS

SUSTAINABLE AND EFFICIENT MULTIPACKS WITH ETIPACK LABELLING

Optimizing packaging impact through smart labelling solutions

Minimizing plastic use in packaging presents companies with valuable opportunities to merge sustainability with efficiency. Etipack's advanced labelling systems make this possible, offering a solution that reduces material waste while enhancing product presentation.

Sustainable packaging: a strategic choice

Sustainable packaging is becoming a key priority for both businesses and the environment. Etipack's innovative solutions eliminate excess packaging, leading to significant cost savings and a reduced ecological footprint. By leveraging labelling technology, companies can transition towards more responsible packaging without compromising functionality.

Versatile multipack labelling: from food to cosmetics and personal care

Etipack's multipack labelling process utilizes opposing labels applied during batch assembly, providing a smart and flexible alternative to conventional packaging. This approach is suitable for a wide range of products, from single-portion bags to larger multi-portion packs. The adaptability of Etipack's systems ensures seamless integration with specific production needs while maintaining efficiency.

The labelling systems for Multipacks are based on labelers positioned on opposing sides of customized conveyor belts,

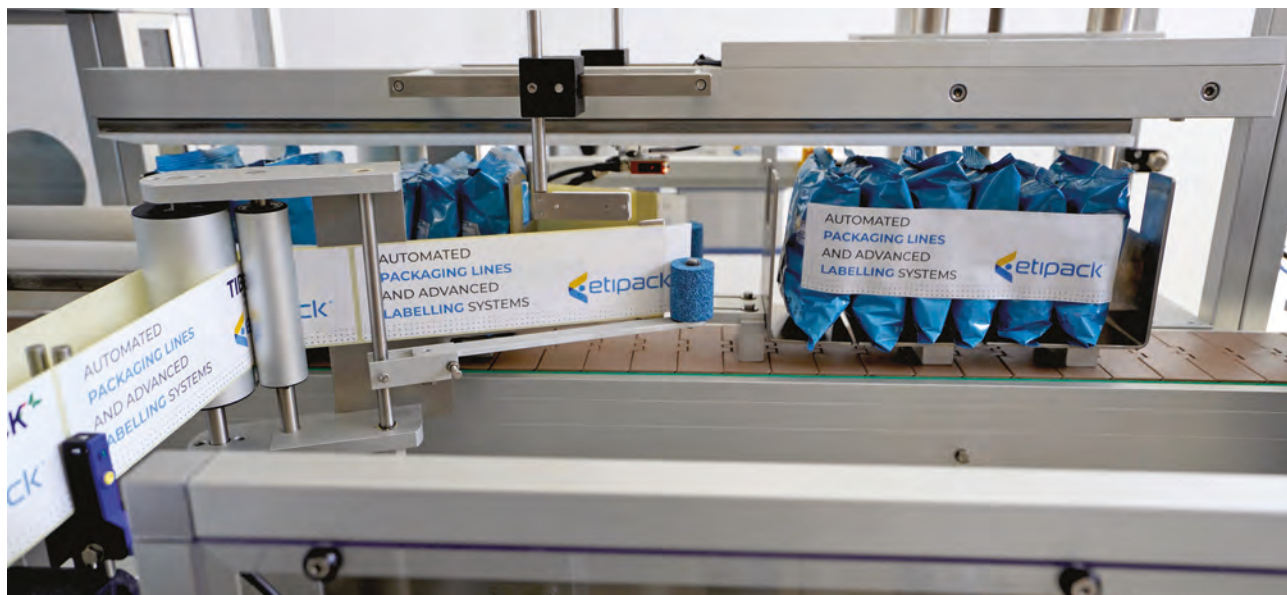
which allow two side labels to be applied simultaneously when passing batches of packages. This results in a single multipack at the outlet whose packages are held together thanks to the labels.

Etipack's labelling systems can be fully customized according to specific manufacturing needs to be integrated into packaging lines. They not only enhance production processes but also provide a sustainable alternative by replacing traditional secondary packaging with efficient labelling techniques leading to significant cost savings while minimizing the environmental impact of the products.

Innovative multipacks: sustainable packaging with innovative handle label

Multipack Handle® Labeling Machine is a special packaging line with a customized labeling system for wet-wipes that enables the application of innovative patented handle labels - Multipack Handle® (Registered trademark by Palladio Group) - as a unique packaging method to make multipacks eliminating the need for additional packaging, of any material and format. Developed in collaboration with two industrial partners, the line integrates a customized Etipack labelling solution consisting of two labeling machines positioned at the end of the line - one above and one below the conveyor belt - capable of simultaneously applying 2 Multipack Handle labels at the top and bottom, making it possible to assemble modular batches of wet wipes into a single multipack.





Among the many types of labels that can be used for multipacks when using Etipack systems, the exclusive patented* Multipack Handle® labels stand out as particularly innovative. The handle provides a practical method of pick-up and transport that complements the above-mentioned benefits offered by multipack labelling systems. It also allows single-sided multi-pack applications - avoiding material-saving C-shaped (3-sided) applications - and can support multipacks of up to 5 kg. The project was recognized with Best Packaging and WorldStar awards and will be awarded during the Ipack-Ima exhibition.

Automation and flexibility for every need

Designed with modularity in mind, Etipack's labelling systems offer multiple customization options to meet specific production demands. These systems can function as standalone units with manual loading or be seamlessly integrated into existing packaging lines, including connections with other machinery such as filling systems. This flexibility makes them an

ideal choice for both manufacturers and packaging machine producers looking to optimize efficiency and sustainability. With Etipack's cutting-edge labelling solutions, businesses can enhance their packaging strategies while making a positive impact on the environment.

**Discover these solutions
at IPACK-IMA, 27-30 May Milan – Hall 4 A39/B40**

For more information
www.etipack.it/en



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✓ PACKAGING

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FACHPACK 2025: THE FUTURE OF PACKAGING IN TRANSITION



FACHPACK (Nuremberg, 23-25.9.25) is the European trade fair for packaging, technology and processes. Exhibitors cover the entire packaging process chain for industrial and consumer goods: packaging materials, packaging and accessories, bottling and packaging machinery, labelling, marking and identification technology, machines and equipment for the packaging periphery, packaging printing and finishing systems, palletizing technology, intralogistics and services.

With its new slogan: “We create the future”, FACHPACK 2025 will be devoted to the trending topic of “Transition in Packaging”.

Trade visitors come from all packaging-intensive sectors such as food/beverages, luxury food, pharmaceuticals/cosmetics, chemicals, health care, non-food, pet food, other consumer goods as well as automotive, technical articles, medical technology and other industrial goods: **www.fachpack.de**



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THE INVISIBLE SOFTWARE: THE CHALLENGE OF INTEGRATING PLC, MOTION, AND SUPERVISION IN PACKAGING LINES

In the world of packaging technologies, software is the silent engine that holds together complex machines, manages variable flows, and ensures consistency between production and traceability. But, as lines become more sophisticated, the integration between various intelligent systems – PLC, motion control, HMI, supervision – becomes a major design and operational challenge.

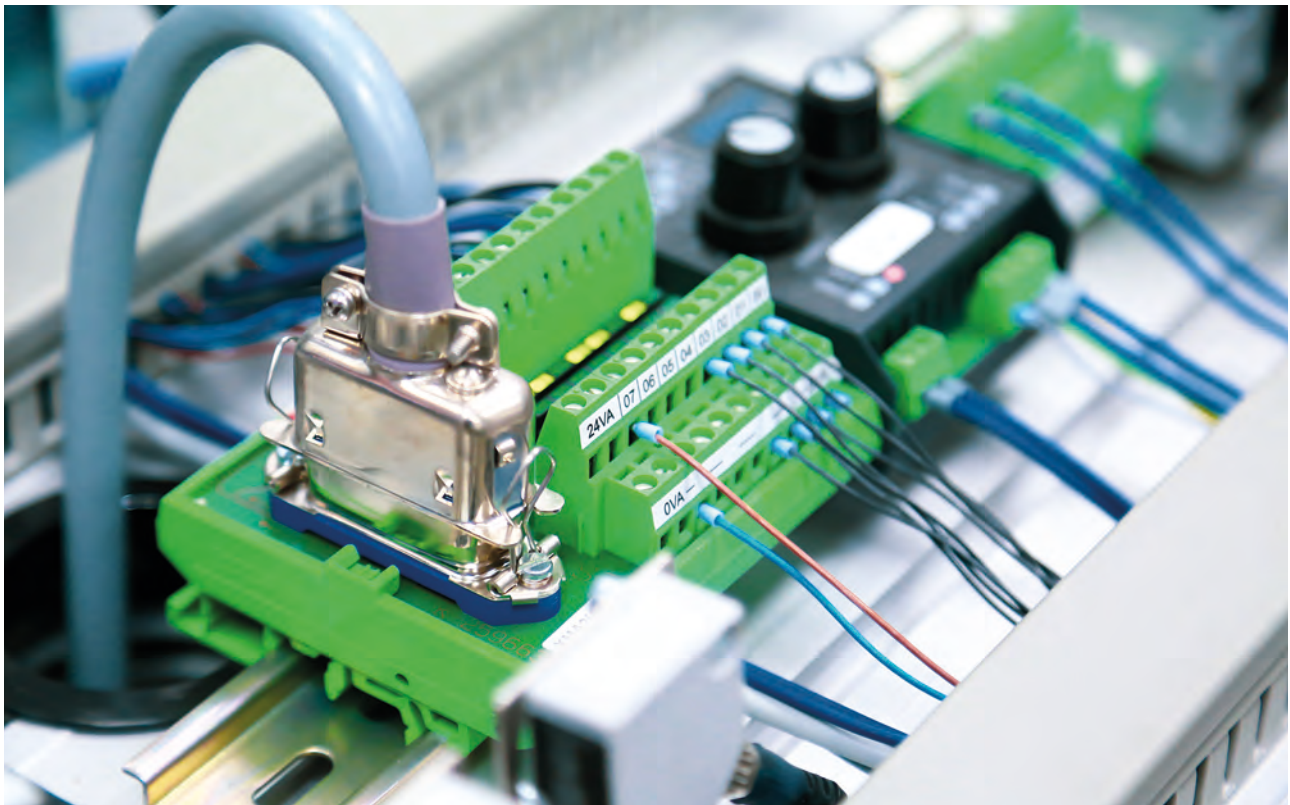
Today, having high-performing software for each individual machine is no longer enough: the real competitive advantage is achieved at the system architecture level, where all control layers must communicate with each other without creating bottlenecks or delays in data transmission. This is particularly true for multi-format and multi-product lines, where motion control must adapt in real time to

recipe changes, interruptions, restarts and selective discards.

One of the most critical issues is the synchronization between PLC and drive systems. In many packaging machines, motion is no longer just about speed, but about finely tuned coordination across multiple axes, with interpolation logic, dynamic compensation



By the editorial staff



All images: pexels.com





and integrated safety. New software development environments are focusing on tools that allow PLCs and motion programming in a single platform, reducing latency issues and simplifying maintenance.

But it is in the interface with supervisory systems that software reveals its most “invisible” yet decisive role. Companies increasingly require centralized interfaces capable of monitoring, regulating and documenting everything: from production parameters to environmental data, up to the traceability of each individual batch.

This means that each machine must not only “do its job well”, but also communicate effectively, in real time and using standardized protocols.

The challenge is not just technical, but also organizational. Integrating field-level software with MES or ERP systems requires collaboration between departments that have traditionally worked on separate tracks.

Today, however, the design of a new line requires a continuous dialogue between automation,

IT, production and quality. Packaging technology manufacturers are responding by offering more open, modular and scalable software, designed to be customized according to the client’s specific context. This innovation may be invisible, but it can be felt: felt in the smoothness of format changes, in the promptness



of restarts after a stop and in the performance stability over continuous shifts. Invisible software is the kind that never draws attention to itself, but without it, nothing would function with the consistency the market now demands.

And at IPACK-IMA, where the heart beats for efficiency, this type of innovation is bound to draw more attention than one might expect.





SUPPLYONE SHOWCASES COMPREHENSIVE MEAT PACKAGING SOLUTIONS TO OPTIMIZE EFFICIENCY

Innovative packaging technologies tailored to meet the demands of fresh, frozen, processed, and ready-to-eat meat products

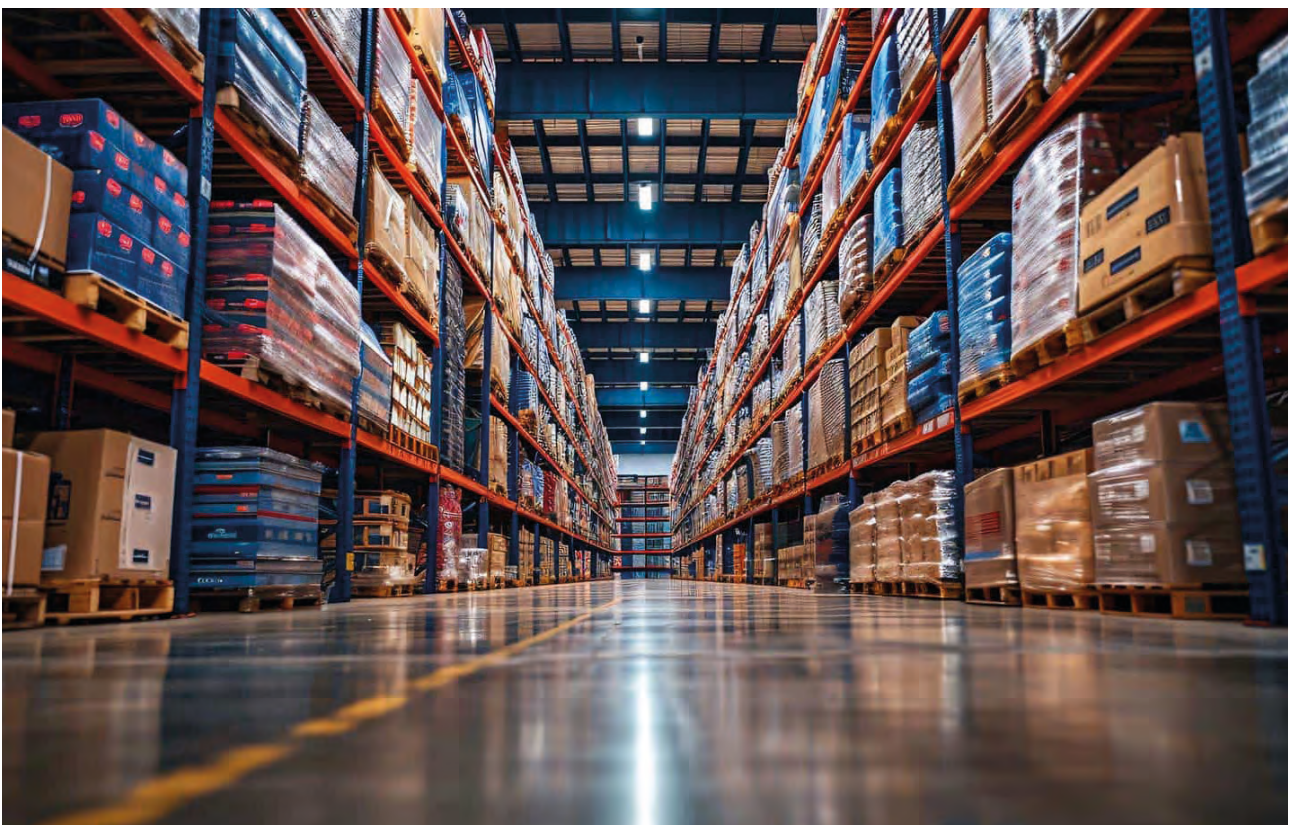
Newtown Square, Pennsylvania – SupplyOne, Inc., the largest independent supplier of custom corrugated and other value-added packaging products, equipment, and services in North America, proudly highlights its full range of packaging solutions designed specifically for the meat, poultry, and seafood industries. These solutions are focused on improving shelf life, ensuring safety, and streamlining operations, allowing meat producers to reduce costs while maintaining high-quality standards.

For meat packaging, SupplyOne offers a wide array of products including customized packaging films such as thermoforming films and vacuum skin packaging (VSP). These films can be printed or plain and are designed to keep products fresh longer. SupplyOne also provides a variety of bags and pouches, including shrink bags, stand-



up pouches, and vacuum pouches, which offer excellent protection against spoilage and contamination. Resealable packaging ensures convenience and peace-of-mind for consumers, while the company's trays and containers include case-ready and custom thermoformed designs, foam trays, and even microwaveable and oven-safe containers. These options ensure the safe transportation and handling of meat products, keeping them intact from the point of processing to consumption.

With all these options to choose from, SupplyOne's expert team of certified packaging specialists collaborates with customers to identify the most suitable packaging materials and designs for their specific needs, covering





everything from barrier films and vacuum pouches to custom trays and printed labels. Each packaging solution is tailored to the product, whether it is fresh, frozen, processed, or ready-to-eat, with the goal of maximizing shelf life, enhancing product presentation, and ensuring operational efficiency.

SupplyOne enhances its packaging solutions with advanced equipment and automation systems such as vacuum chamber equipment, tray and cup sealing systems, and vertical and horizontal form-fill-seal machines. This state-of-the-art technology ensures that meat packaging operations are efficient and cost-effective. Additionally, SupplyOne provides operator training and technical service to ensure optimal equipment use.

To further streamline customer operations, SupplyOne offers customized inventory management programs, including the Packaging Management Program (PMP) and Management Services Agreement (MSA). These programs allow businesses to manage their packaging needs effectively, reduce carrying costs, and improve cash flow by optimizing inventory and reducing waste.

In addition to its meat, poultry and seafood packaging solutions, SupplyOne supports other food categories such

as baked goods, dairy and cheese products, prepared foods, and snacks. This comprehensive approach ensures that SupplyOne can provide packaging solutions for a wide variety of food products, making it a trusted partner for food processors across the industry.

For more information about SupplyOne's meat packaging capabilities, visit SupplyOne Meat Packaging or contact their team of packaging specialists today.

www.supplyone.com

SECTORS

FOOD

WATTTRON'S CERA2HEAT: OPTIMIZED THERMOFORMED PACKAGING WITH LOWER MATERIAL USE

With its new cera2heat thermoforming process, watttron promises packaging material savings of up to 50 percent, saving resources and costs. Packaging manufacturer GEA presented the system in operation at watttron's plant in Freital, Germany, to media, customers and investors

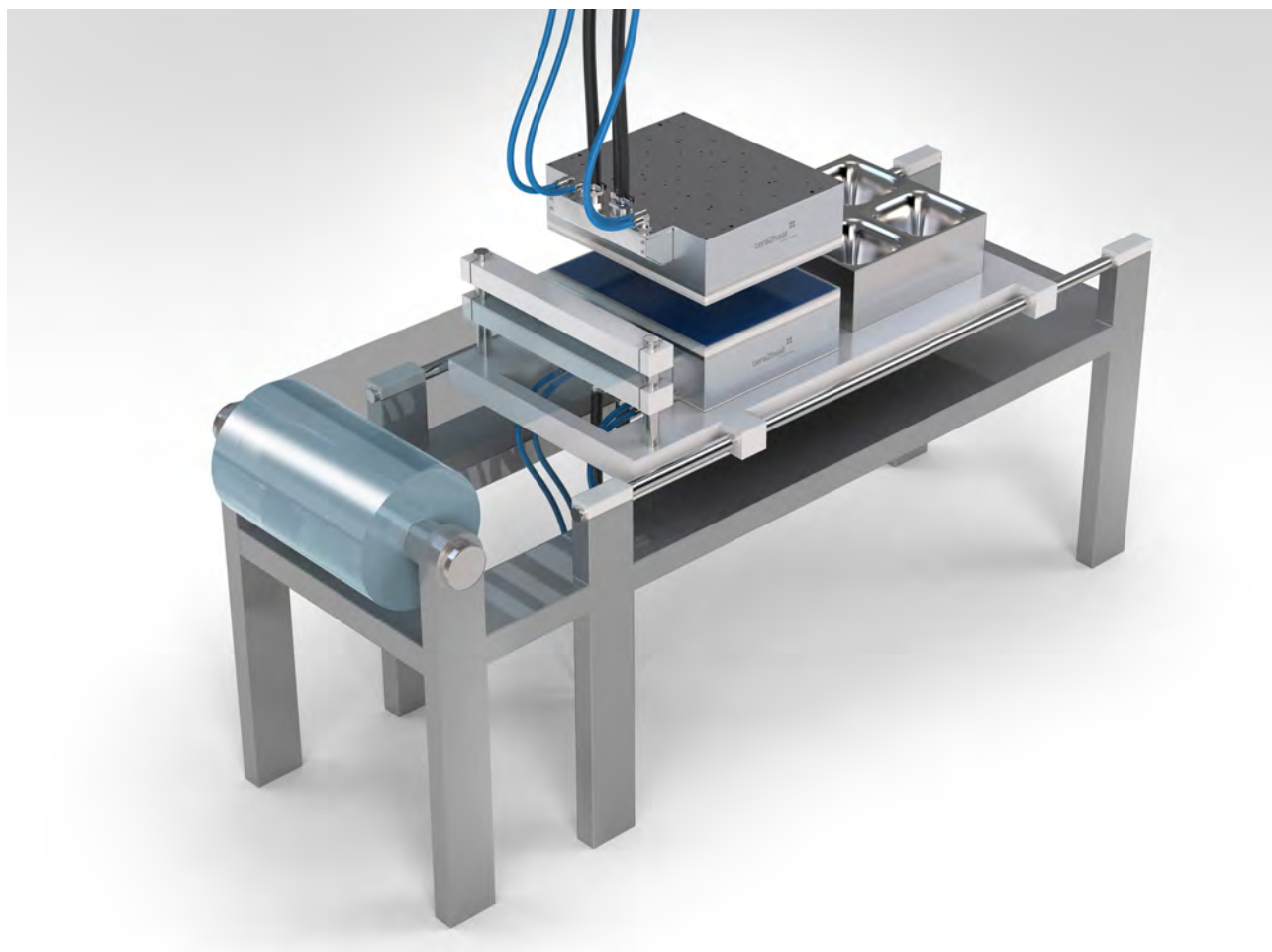
A new thermoforming process "cera2heat", developed by German startup watttron, is capable of consistently producing uniform, thin-walled packaging shapes like yoghurt pots thereby reducing material use by up to 50 percent. With precise temperature control of individual "heat pixels", the process can reliably handle mono-materials and also eliminate common packaging defects, including faulty shapes.

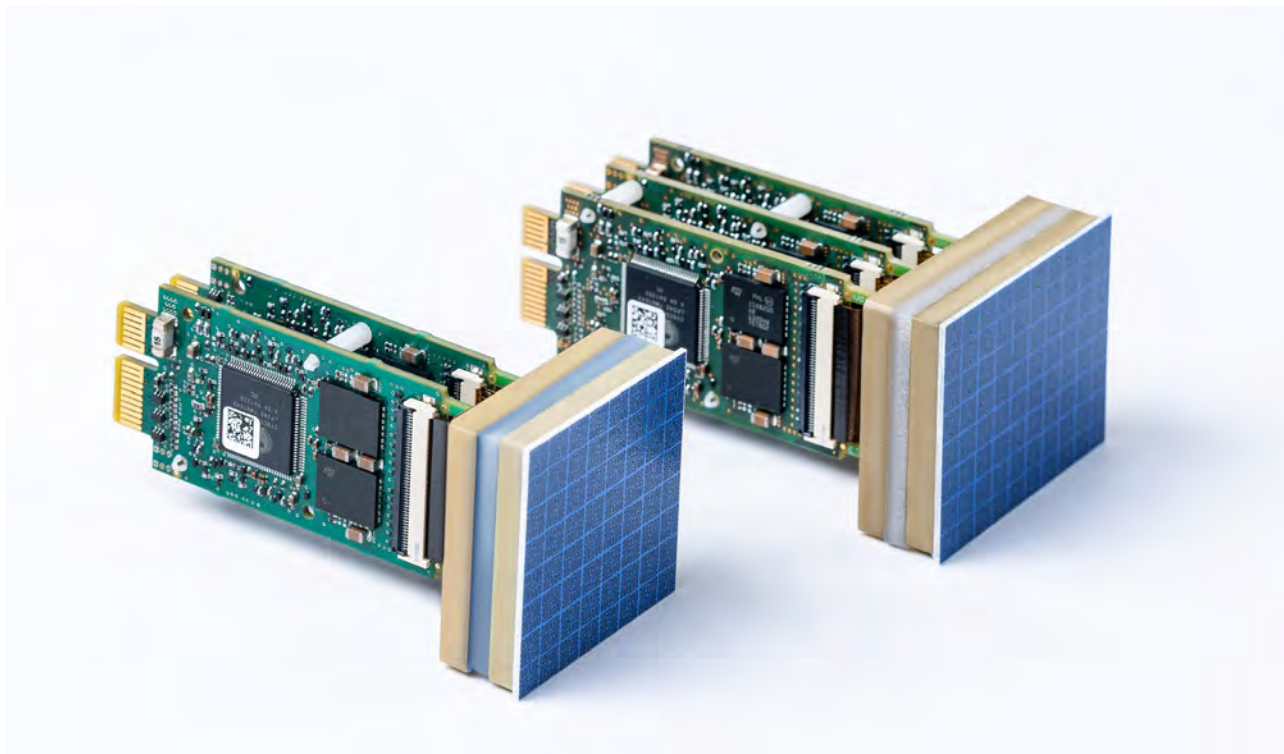
The patented cera2heat technology was presented to

media, customers and investors at the watttron plant in Freital last week. Watttron cooperated with GEA who had integrated cera2heat into their machines for the live demonstrations on December 4.

Cera2heat enables the optimization of packaging for food and beverages such as yoghurt and coffee capsules as well as meat and sausages. The process reduces material use by up to 50 percent compared with conventional thermoforming.

"The reduction in material leads to cost savings. While this depends on each individual case, we can say that on average it's in the region of five to six figure Euros annually," says Dr. Sascha Bach, Chief Technology Officer at Watttron.





More consistent packaging despite thinner base material

A cost-effective packaging choice for perishable and durable products alike, thermoforming applies heat to a polymer film to create a desired shape. Traditional thermoforming has a single temperature setting and therefore heats the material uniformly, rather than targeting known problem zones: The bottom corners of the cavity are often affected by thinning, an issue for overall packaging strength. To give the container the necessary stability, manufacturers may use thicker base material.

Watttron's cera2heat system can generate defined heterogeneous heating fields for problem areas using a large number of individually controllable small heating pixels. This allows the polymer film to be heated in a targeted manner and the flow behavior of the material to be optimally adapted to the desired packaging shape. This ensures a uniform wall thickness and therefore stable packaging but with a much thinner plastic film, significantly reducing the amount of material used.

Watttron's heating system consists of multiple square 5-millimeter heat pixels, around the same size as a pencil eraser. The temperature of each pixel can be individually programmed and controlled to cope with varying heat requirements - up to 200 degrees Celsius - across the entire packaging shape. The pixels are arranged in 40 x 40 millimeter modules in any order and combination, which allows for an unlimited heating area, an advantage for thermoformed packaging with different geometries.

With cera2heat thermoformed packaging can be produced optimally, saving resources and costs at the same time. Because the wall thickness of the molded part is more homogeneous, a thinner plastic film can be used for the same product. The packaging manufacturer saves material and costs.

Optimal shaping even for complex geometric shapes

"With our cera2heat, any plastic film can be heated to suit the desired thermoforming geometry. Surfaces that need to be formed more acutely can be heated more strongly than areas that are formed less or not at all. This system helps distributing the material as desired," says Bach.

A positive effect of the increased functionality is the system's low energy costs compared to conventional thermoforming heating systems. The heater heats up efficiently and can remain switched off during cycle breaks. This means that up to 30 percent energy can be saved because the heterogeneous heating of the surface makes targeted use of the energy.

The exact temperature of the individual heating pixels is visualized on a screen during production. Individual pixels can be specifically controlled and heated differently if required.

The cera2heat system can be retrofitted or integrated into production lines.

Advantages when processing mono-materials

“Cera2heat has already proven its value in terms of quality and material savings. Mono-materials will play a much greater role in all packaging in the coming years, and cera2heat will therefore be a reliable companion on packaging machines,” says Bach.

Mono-materials offer both cost-effective recycling and a viable alternative to mixed materials, which are notoriously difficult to separate. However, materials such as polypropylene still pose a challenge in thermoforming as they need to be processed within a narrow temperature range. This increases the challenges for the thermoformed packaging industry.

The packaging market is increasingly demanding in terms of product aesthetics, performance and cost - and the industry has responded with improvements in design and manufacturing technologies. This includes many advances, including this heating pixel-based technology, cera2heat.

Watttron customers currently using the cera2heat process include GEA and Multivac.

For the cera2heat matrix heating system, watttron was awarded the German innovation award for climate and environment (der deutsche Verpackungspreis für Klima und Umwelt - IKU) and the German Packaging Award.

At its lab at the watttron Freital Technology Center, a team is working on further areas of application. For example, watttron has developed cera2seal, a seal-heating system that reliably seals even complex geometric packaging.

About Watttron

A startup company established in 2016, watttron specializes in digital heating technologies that allow precise processing of mono-materials, a preferred choice for recyclable packaging. Through its patented engineering technologies, Watttron supports manufacturers by reducing the complexity in recycling, minimizing waste and complying with increasingly stringent sustainability regulations.

Developed at watttron's Headquarters in Freital, Germany, the proprietary digital heating solutions, including the award-winning cera2heat and cera2seal systems, help ensure that packaging materials are processed efficiently, supporting the shift towards environmentally friendly practices in a range of industries.

Since its inception eight years ago, watttron has opened a subsidiary in the US and has won 14 engineering, innovation and business awards, including the prestigious Sustainability Awards, Deutscher Verpackungspreis Gold (German Packaging Award), World Star Award and the International FoodTec Award Gold.

In March 2024, the company secured €12 million from Circular Innovation Fund, as part of series B funding.

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SCAN FOR DETAILS



UK RETAILERS CHOOSE GREINER PACKAGING'S SELF-SEPARATING K3® R100 PACKAGING

- Seven leading UK retailers are now using the sustainable K3® r100 cup for their own-brand instant porridges.
- The innovative packaging automatically separates cardboard and plastic, achieving a recycling rate of up to 98%.
- The award-winning K3® r100 cup enables environmentally friendly disposal and supports a circular economy.

Seven of the UK's leading food retailers have transitioned to Greiner Packaging's sustainable K3® r100 self-separating packaging solution for their own-brand instant porridges. Waitrose, Greggs, Morrisons, M&S, Tesco, Lidl, and Asda have all adopted the award-winning innovation.

"We are excited to see so many UK retailers realising the benefits of our self-separating packaging solution, following Symington's which became the first UK food producer to move over to K3® r100 for its Oatburst instant porridge

brand last July," says Rachel Sheldon, Sustainability and Innovation Manager at Greiner Packaging UK & Ireland.

Smart Recycling for Greater Sustainability

The K3® r100 represents a breakthrough in sustainable packaging, ensuring high recyclability rates of up to 98% without relying on consumer intervention. Unlike regular cardboard-plastic combinations, where consumers have to manually separate the cardboard wrap from the plastic cup, K3® r100's materials separate automatically before reaching the recycling facility's near-infrared detection



Credit: © Greiner Packaging



system. This guarantees proper detection, sorting, and recycling, optimizing the packaging's environmental impact.

From Innovation to Evolution: The Development of the K3® Cup

K3® r100 is the latest evolution of the original K3® cardboard-plastic cup which was invented by Greiner Packaging over 40 years ago. Originally developed to reduce plastic material usage, nowadays the K3® features a unique tear-tab so that consumers can intuitively separate the cardboard outer wrap from the lightweight plastic cup to enable recycling.

With the latest development, K3® r100, the materials separate themselves before they reach the near-infrared detection (NIR) system at the recycling facility, leading to proper detection, sorting and recycling. The K3® r100 therefore enables cardboard and plastic to be assigned to the correct material streams during the initial sorting process, before being recycled.

Award-Winning Sustainable Packaging Innovation

In October 2023, Greiner Packaging received the Green Packaging Star Award, from the Austrian magazine KOM-PACK, for Berglandmilch being the first company in the country to use the self-separating K3® r100 packaging. In January 2024, the K3® r100 received the World Star Packaging Award. Last November, Greiner Packaging's K3® r100 was awarded the Packnews Special Prize within the Packnorth Awards 2024, recognizing outstanding innovation in sustainable packaging.

www.greiner-gpi.com

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- Monomaterial constructions, barrier properties, thinner materials as enablers of recyclable and CO2 reduced packaging and labels
- Focus on PCR (Post-consumer Recyclates) and biobased content in BOPP film to help brands reach their sustainability targets in packaging

Innovia Films, a leading material science pioneer and major producer of BOPP films, announces the launch of their new, redesigned website that focuses on the role of BOPP films in the redesign of packaging, graphic films and labels that are recyclable and have a low carbon footprint. In the products section, selected hero products are highlighted to show the ideal application of Innovia's highly engineered films.

"As part of our corporate design refresh and to reflect our communication campaign, we were looking to modernise and simplify our web presence. The new website should reflect the fresh, modern image of Innovia Films, while being functional and user friendly", says Marika Knorr, Head of Sustainability and Communication at Innovia. "On top of that the website reflects our 'Better Future' communication campaign for a 360 degree communica-

We give the future a better package.



tion approach and also showcases our new product mock-ups that illustrate application examples of our films in packaging, labelling, tobacco and graphics“.

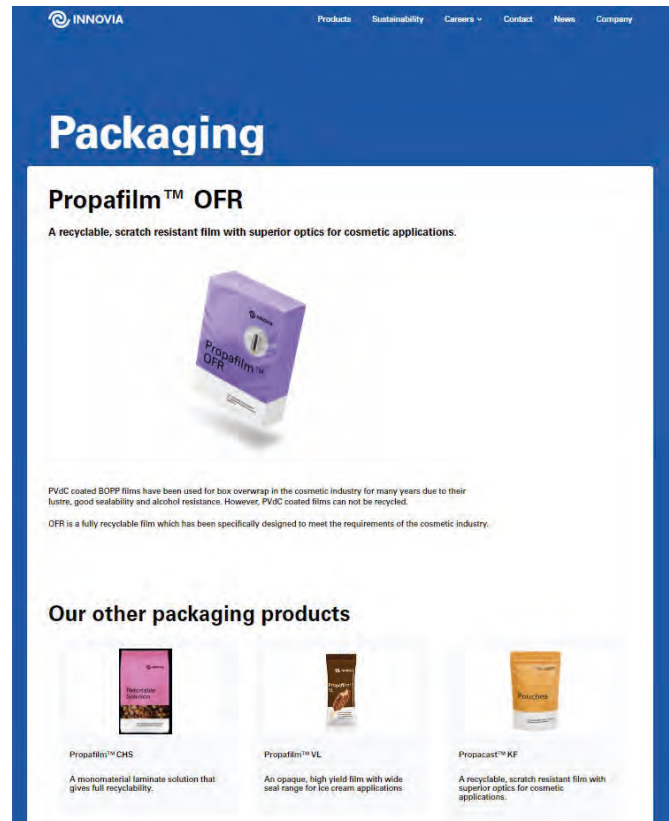
Innovia partnered with denkwerk, a creative digital agency based in Cologne, Germany to deliver the project. The website now has a modern, innovative look and feel. With a clear focus on a strong visual identity and a first-class user experience, the new online touchpoint reflects the innovative spirit of the company.

A few key highlights of the new website:

- Focussed, uncluttered design: users can find the relevant information at a glance.
- Bold typography & bright colours: A modern design that visually underlines the innovative strength of Innovia Films.
- Inviting user experience: Clear call-to-actions and intuitive navigation make visiting the site a positive experience.

“We wanted a website that not only represented our company, but also made our brand values visible: Innovation, Service and Sustainability. The result is a site that is as inviting and well thought-out as our products,” says Knorr. “Last but not least we strive to play a key role in the design for recycling and low carbon footprint of future packaging that we all touch every day as consumers – we wanted to make this clearly visible on the website“.

Visit the website www.innoviafilms.com



Products



MICRO-TIMES, MACRO-BENEFITS: THE HIDDEN ROLE OF MICRO-MECHANICS IN INDUSTRIAL PACKAGING

When it comes to innovation in the world of packaging machines, the focus is on software, sensors and line performance. Yet, in many cases, it is in the micro-mechanics that the game of efficiency is played. Tiny improvements in handling, opening, pushing or cutting systems can lead to major gains in speed, precision, component longevity and overall reliability.

Micro-machining and high-precision assembly technologies are increasingly becoming a structural part of packaging line design, especially in segments



by *Walter Konrad*



All images: pexels.com



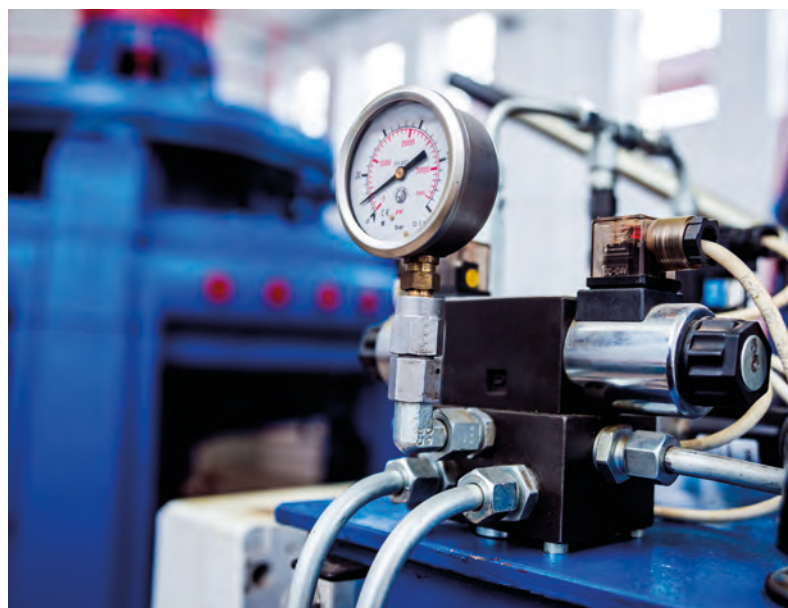


where products are light, fragile or packaged at a high rate. In these context, the reliability of a lever, the degree of freedom of a cam or the elasticity of a miniature pneumatic piston make the difference between a machine that keeps its promise and one that requires continuous micro-adjustments.

One of the most interesting areas concerns the miniaturization of gripping and release systems, especially in pick & place robots used in secondary packaging lines. New materials, such as shape-memory composites and smart metals, are enabling the development of ultra-compact grippers that adapt to different formats without needing replacement. This drastically reduces format changeover times and increases line flexibility.

Even in vacuum or push-based transfer systems, research is focusing on micro-proportionate solutions, capable of millisecond-level motion control. In high-speed environments, an overly forceful push or a delayed release can throw the entire line off balance. The new miniaturized proportional valves, driven by dedicated microprocessors, allow ultra-precise adjustments that until a few years ago would have been unthinkable in such small spaces.

Another growing field is micro-scale automated lubrication. Some manufacturers are introducing systems that can precisely dose the amount of lubricant on constantly moving components, preventing overheating and



premature wear. Here too, small details can significantly extend machine lifespan and reduce maintenance costs.

Micro-mechanics applied to packaging is a silent but strategic world.. It does not have the visual impact of a touch screen interface or an anthropomorphic robot, but it represents the invisible foundation of industrial reliability. Those who design or purchase machines know well that the difference between a good line and an excellent line often lies right there: in millimeters that save minutes, and in grams that win the challenge of lightness without sacrificing strength.



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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PACKSYNERGY NETWORK WELCOMES NEW PARTNER IN HUNGARY



Reményi CEOs Karoly Reményi, Antal Reményi, Antal Reményi jr

On 1 January 2025, the Hungarian company Reményi joined PACKSYNERGY, the European network for mid-market, owner-managed packaging retailers. This market-leading packaging trader is represented at sites throughout Hungary and will strengthen the group's entire Central and South-East Europe region.

"We're delighted to welcome Reményi to our group", said PACKSYNERGY CEO Thomas A. Baur. The number one packaging trader in the Hungarian market is now a PACKSYNERGY member. "Reményi's family culture, forward-looking approach and network culture are a perfect fit for us."

The Hungarian family business was founded back in 1991. In addition to the manufacture of bubble wrap and the distribution and trading of packaging equipment and materials, the portfolio also includes packaging machinery services. The range of products on offer is highly diverse. Since 2002, Reményi has had its own bubble wrap production facility,

covering 5000 square metres of floor space. Today, the packaging specialist meets the packaging technology requirements of countless multinational corporations, small and medium-sized enterprises and sole proprietorships. Modern machinery and technologies enable flexible service in both national and international markets.

"We're confident that the PACKSYNERGY network will help us expand our presence in the European market and gain a lot of new, valuable and timely insights", commented joint CEOs Antal and Karoly Reményi, when asked to explain their motivation for joining. The family firm is seeking to carve out a bigger piece of the cake for itself – not just in Hungary but in other European countries too – and win new partners in the process. "We traditionally set great store by top quality at the best price and we believe the PACKSYNERGY network will generate significant benefits to increase our footprint in the market." In the opposite direction, Reményi will share as much information as possible with the network about markets, suppliers and raw materials.

Baur emphasises that PACKSYNERGY's competitive advantages are not restricted to an international supplier portfolio and a European sales platform but also include effective interaction and a vital community within the network. "These are economically challenging times and the assets a network brings are unmistakably attractive. Thanks to our professionally managed structures, each individual company profits from a knowledge lead as well as various group benefits." PACKSYNERGY is pursuing a sustainable growth strategy – with the aim of being represented in every country in Europe. Baur: "We're not content with new members simply enjoying a strong position in the market; they must also have the right mindset." He sees the successful network's enduring popularity as a clear sign of the association's standing as a network brand that provides mid-market packaging wholesalers all over Europe with a fundamental instrument for growth. "We connect local strength with international reach".

www.packsynergy.com



PACK SYNERGY®
THE EUROPEAN PACKAGING NETWORK





PACKWORLDUSA HIGHLIGHTS THE VERSATILE AND PRECISION-DRIVEN 3400 SERIES HEAT SEALER

A Precision Heat Sealer Offering Unmatched Cleanroom Compatibility. PackworldUSA, a leading manufacturer of precision heat sealing equipment, highlights the 3400 Series Heat Sealer, designed to meet the demanding standards of industries requiring precision packaging solutions. From the life sciences to the packaging sectors, this advanced system offers unmatched versatility, cleanroom compatibility, and ease of use. The 3400 Series Heat Sealer is manufactured from cleanroom-friendly materials such as stainless steel and anodized aluminum, ensuring it meets strict sterility requirements. The design eliminates the need for fans, reducing the risk of aerating particulates, and is wipe-down ready for standard cleanroom sterilizing solutions. This makes the system ideal for environments requiring high levels of cleanliness, such as medical devices and pharmaceutical packaging.

The 3400's intuitive touchscreen control panel simplifies the programming and monitoring of all sealing parameters, including time, temperature, and pressure. With real-time display capabilities, operators can easily verify critical process parameters, ensuring consistency and reliability in the sealing process. For added security, the 3400 Series includes password protection, preventing unauthorized changes to machine settings or critical process parameters to maintain seal integrity and ensure operation within validated parameters.

The 3400 Series offers a range of features to accommodate various packaging needs. The optional vacuum/purge system allows for customizable cycles, enabling product packaging to be tightly sealed or gently packed to reduce bulk without damaging the product. The system supports multiple cycles of alternating vacuum and purge functions and can be programmed to end on either cycle, offering flexibility to operators in achieving the desired result. Additionally, the compressed air exhaust outlet can be vented out of the room for even more cleanroom compliance.

PackworldUSA's 3400 Series is powered by the TOSS® PIREG® Variable Resistance Control, a hallmark of their precision heat sealing systems. This technology eliminates the need for thermocouples, allowing the machine to achieve the specified sealing temperature within milli-

seconds while maintaining precise control throughout the sealing process. Available with single or dual bands, the system can easily accommodate thick films requiring heat from both jaw bars, providing even heating for the most challenging applications.

Ensuring the highest standards, the 3400 Series is fully validatable, ISO 11607 compliant, and offers test ports for verifying the functionality of critical process parameters, such as temperature, time, and pressure. Operators can confidently maintain the integrity of every seal, even in the most demanding applications. The 3400 Series also features the exclusive AUTOCAL function for automatic zero calibration and multi-point calibration, making temperature calibration more straightforward than ever before.

Available in both 16-inch and 24-inch models, as well as custom sizes, the 3400 Series accommodates a wide variety of package sizes. Optional water-cooled jaws allow for faster cooling cycle times, minimizing overall sealing time, and the system is equipped with an emergency stop button for added safety. Whether sealing delicate medical packaging or bulky industrial products, the 3400 Series can be configured for optimal performance.

The system includes a recipe storage feature that enables quick setup for different materials, ensuring minimal downtime between production runs. A resettable seal counter helps operators track production output and schedule maintenance efficiently. Additionally, graphical displays provide real-time feedback on temperature, time, and pressure, complete with visual and audible alarms to alert operators of potential issues and ensure consistent quality.

PackworldUSA stands behind its products, offering a 30-month warranty on all parts excluding consumables. All machines are fully built to the company's exacting standards, ensuring they meet the rigorous demands of packaging engineers, process engineers, and quality assurance professionals alike. For more information about the 3400 Series Heat Sealer and PackworldUSA's comprehensive line of precision heat sealing equipment, visit PackworldUSA.com or watch an informational video here.

www.packworldusa.com



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.

PROPACK 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

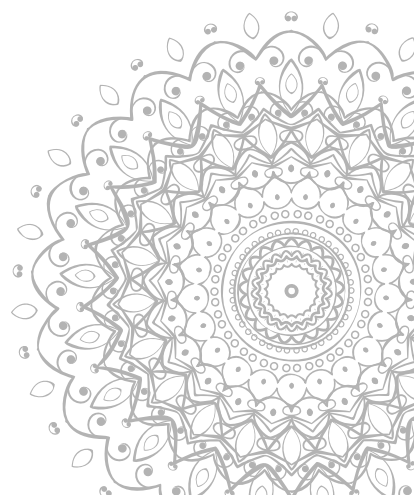
2025 🏛️
DUBAI

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
STUTTGART
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.

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.





WE'VE TALKED ABOUT...

ALTECH SRL

19/21

V.le A. De Gasperi, 70
20008 Bareggio - MI
Italy

AV CONSULTING SRL

45/47

Via P.Tosi, 308
47822 Santarcangelo di Romagna - RN
Italy

B.M. GROUP SRL

42/44

Via Garziere, 36
36010 Zanè - VI
Italy

BBM PACKAGING SRL

59

Via Pregalleno, 24
24016 San Pellegrino Terme - BG
Italy

BIOGEST SRL

12/14

Corso Crimea, 35
15121 Alessandria - AL
Italy

CAMA GROUP

3-6-7

Via Verdi, 13
23847 Molteno - LC
Italy

DCM SRL

84-85

Via Piersanti Mattarella, 10
20093 Cologno Monzese - MI
Italy

ETIPACK SPA

II COV-86-87

Via Aquileia, 55-61
20092 Cinisello Balsamo - MI
Italy

GAMPACK SRL

39/41

Via Piemonte, 1
29122 Piacenza - PC
Italy

GENERAL SYSTEM PACK SRL - GSP

22-23-25

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

GEO PROJECT INDUSTRIES SRL - GPI

60-61

Via Leonardo da Vinci, 43
35015 Galliera Veneta - PD
Italy

IMA SPA

1-8/10

Via Tosarelli, 184
40055 Castenaso - BO - Italy

INFORMA MARKETS - THAILAND

70/72 428

Ari Hills Building,
18th Floor, Phahonyothin Road,
Samsen Nai, Phayathai,
10400 Bangkok
Thailand

L'ALVEARE SRL

48/50

Via Vialletti, 178/180
36029 Campolongo sul Brenta - VI
Italy



WE'VE TALKED ABOUT...

LAWER SPA

62-63

Via Amendola, 12/14
13836 Cossato - BI
Italy

M.H.

MATERIAL HANDLING SPA

2

Via G. di Vittorio, 3
20826 Misinto - MB
Italy

MICROLINE SRL

51/55

Via Emilia, 33/C
40011 Anzola dell'Emilia - BO
Italy

NÜRNBERGMESSE GMBH

88-89

Messezentrum
90471 Nürnberg
Germany

OMETEC SRL

65/69

Via Felci SNC
03039 Sora - FR
Italy

PACKIN

79/83

Via G. Rossini, 102
20832 Desio - MB
Italy

PREO SRL

36/38

Via Alessandro Volta, 7
20094 Corsico - MI
Italy

ROSSI INGEGNERIA ALIMENTARE SRL

15

Via Alfred Bernhard Nobel, 15/A
43122 Parma
Italy

STELLA MARIS DI VANESSA GAROFALO

16/18

Via Alcide de Gasperi, 202
76012 Canosa di Puglia - BT
Italy

TECNO PACK SPA

IV COV-26/28

Via Lago Di Albano, 76
36015 Schio - VI
Italy

TECNOVA HT SRL

29

Via Castellazzo, 29
20006 Pregnana M.se - MI
Italy

TEKNA PARMA

31/35

Via G.S.Sonnino, 7
43100 Parma
Italy



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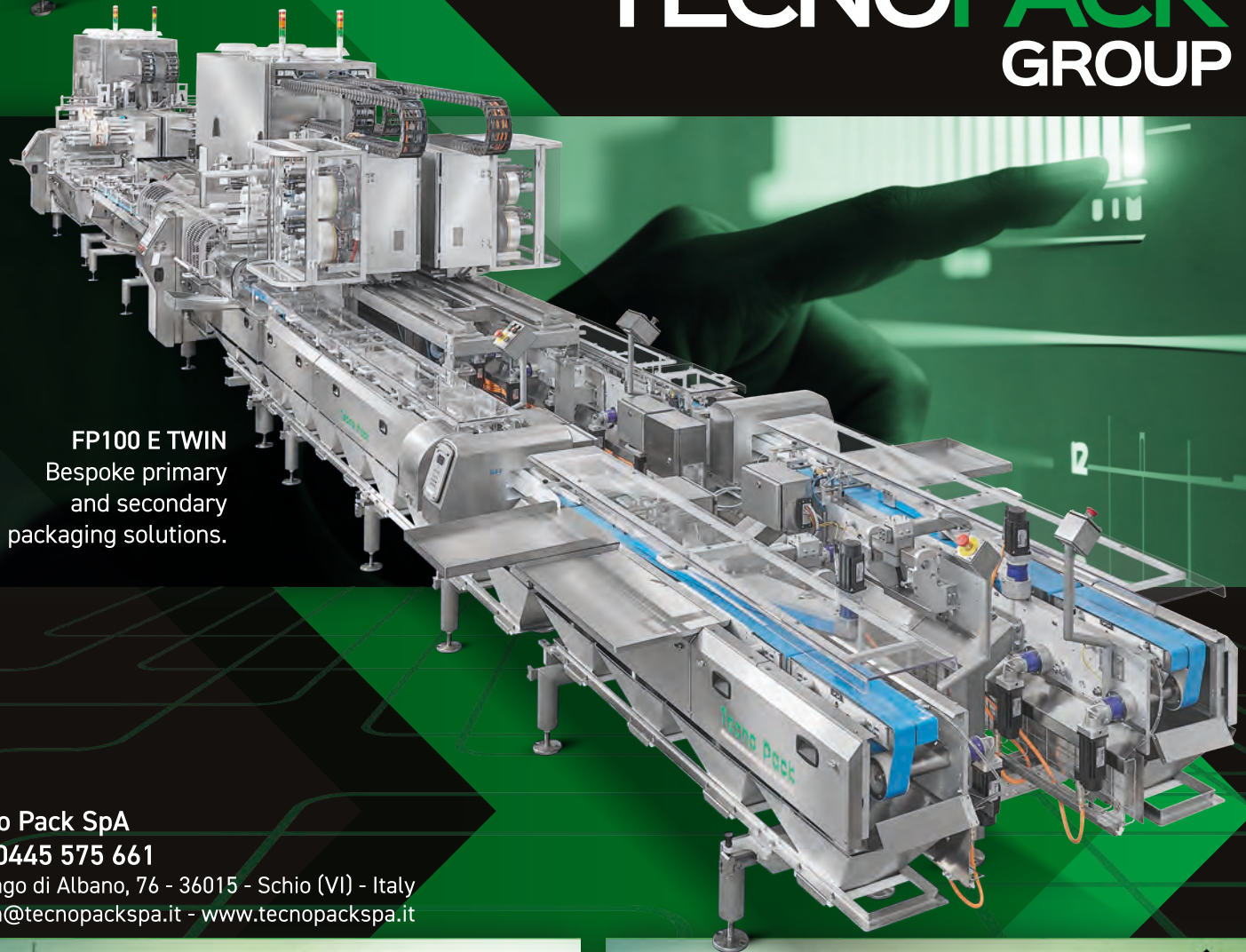


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18 TO 22
MAY
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GROUP



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HALL 7 · STAND A106 B 105 / A120 B 119



27 TO 30
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