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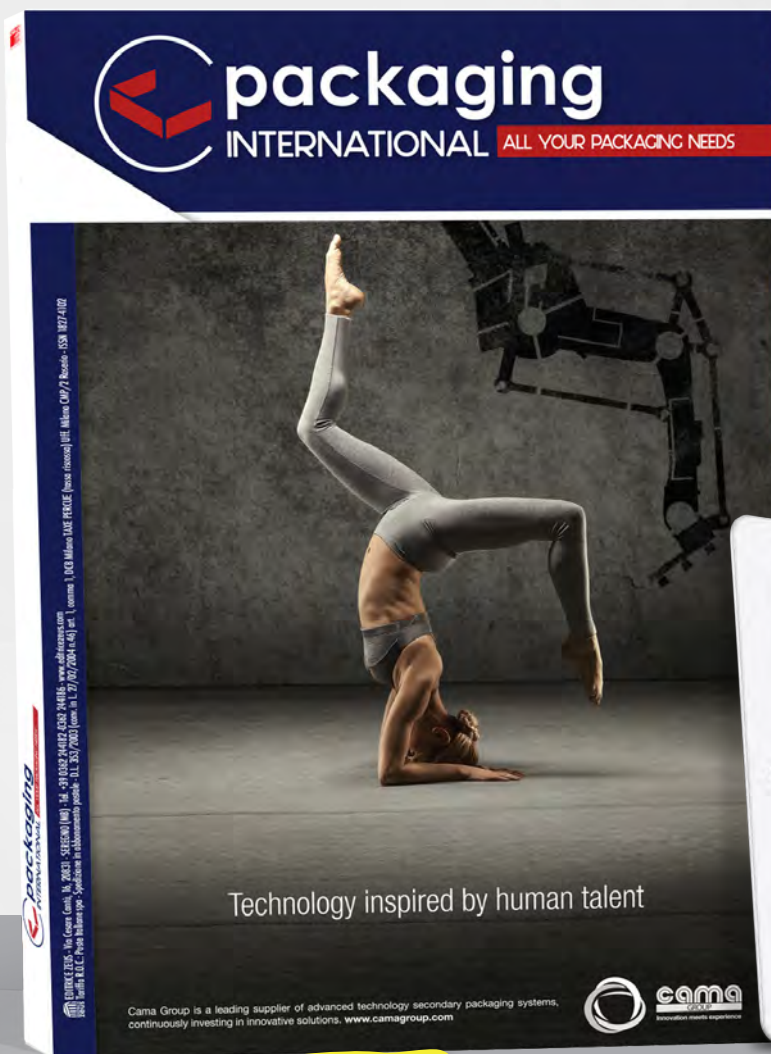
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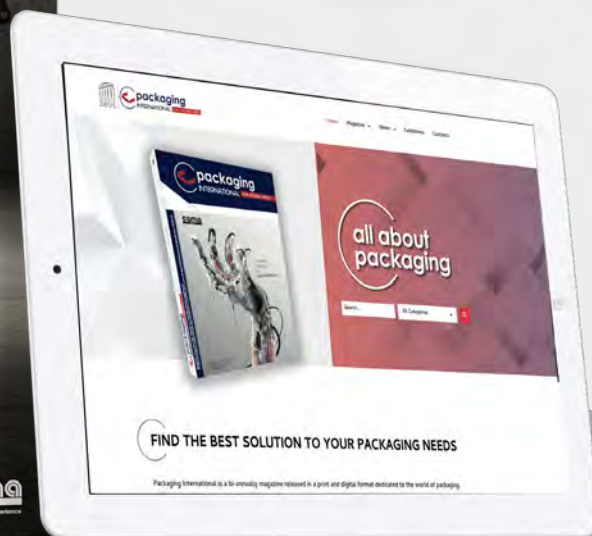
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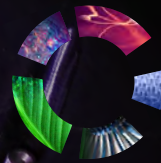
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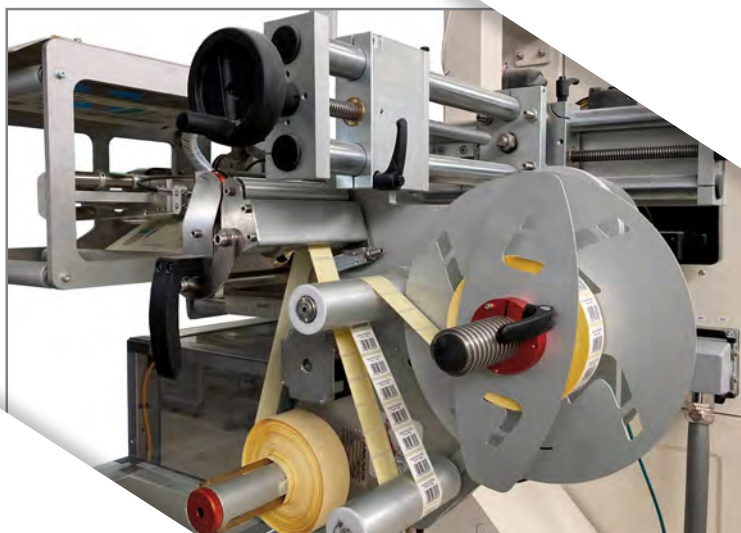


24/26

ALPHAMAC SRL

The foreseeable
market evolution
for hdpe containers.

LABELLING



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LABELPACK TRADE SRL

Packaging
of baked sweets.



SONIA V. MAFFIZZONI
Editorial Manager

Resilience, innovative capacity, and a strong drive for sustainability. With this focus, the packaging sector weathered the storm and came out a winner on the other side. Not only was it unaffected by the crisis, but it looked at consumers with awareness and was able to respond to their needs, even those that were unexpressed.

Plastic only where needed, many alternative materials, policies geared towards a true circular economy, and a huge push towards technological innovation. The sector surprised us, as we'll show you in these pages, offering the best and always looking ahead.

Italian creativity is limitless. And when it meets technology, true Made in Italy excellence is born, that for which we're known around the world.

Quarterly magazine dedicated to the world of packaging. Registration: Court of Monza no. 5. Reg. Stampa of 22/12/2020.

Rivista trimestrale dedicata al mondo del packaging. Registrazione: Tribunale di Monza al N. 5 Reg. Stampa dal 22/12/2020.

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Via Cesare Cantù, 16

20831 Seregno (MB) - Italy

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e-mail: redazione@editricezeus.com

portal: **www.packaging-mag.com**

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PHARMACEUTICAL



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MULLER & KOSTER SPA

The company that brought improvement to perfumery in Italy.



46/48

ELISA CROTTI

Research into sustainable packaging: thousands of ways to replace plastic.

Packaging International
Europe: single issue: Euro 25
Annual (four issues): Euro 90
Outside Europe: single issue: US\$ 30
Annual (four issues): US\$ 109
Subscription payment can be made in the name of Editrice Zeus sas, by bank money transfer or cheque.

PACKAGING INTERNATIONAL
is the international magazine
for the packaging industry
year III - 3-2022

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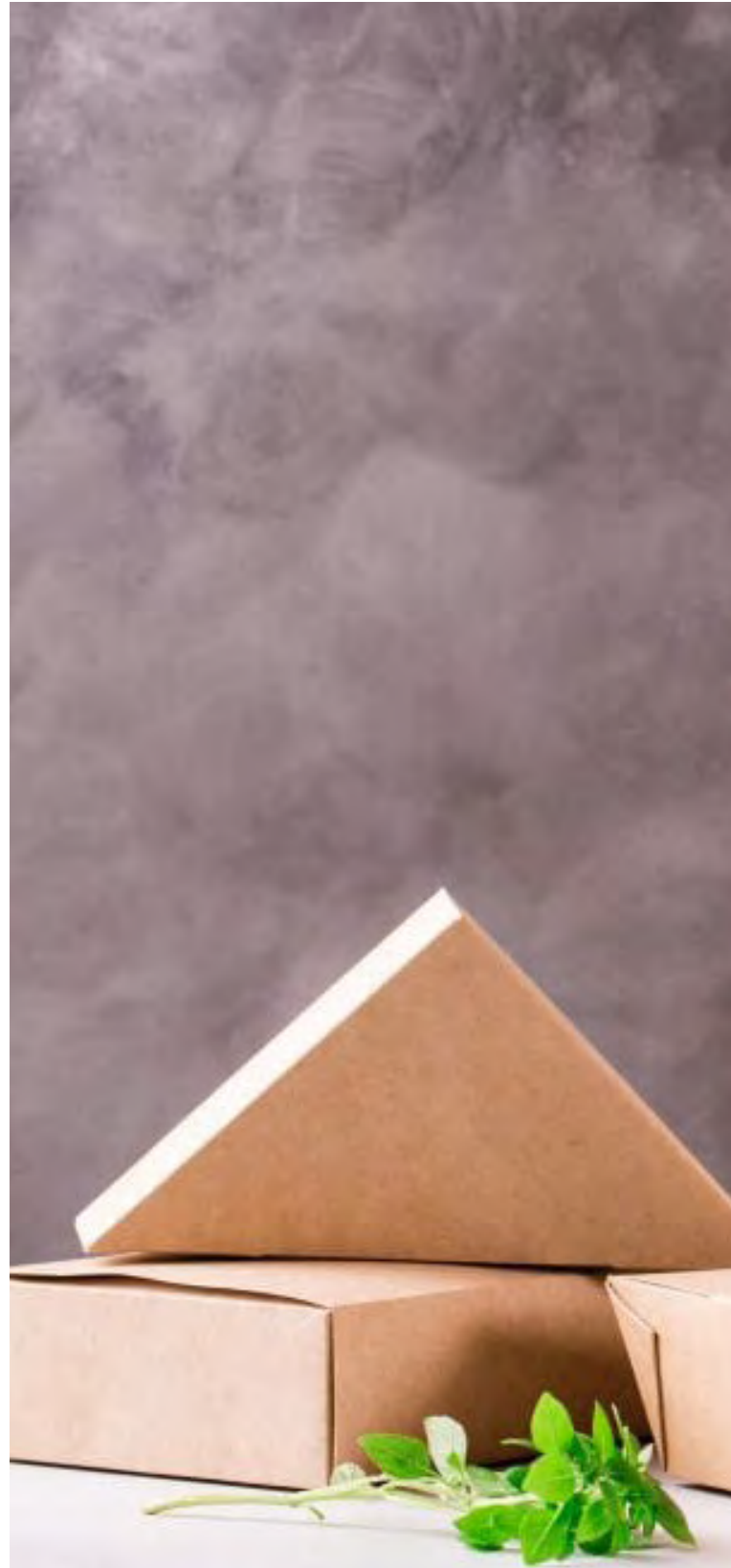
PACKAGING TRENDS IN 2022

Globally, 74% of consumers are concerned about the state of the environment. This increased awareness is a consequence of people being exposed first-hand to the damage done to the planet and the results of this damage. Due to this, more people are making changes to try and lead a sustainable lifestyle. This, plus health and safety concerns that have been raised as a result of the pandemic, has resulted in consumers evaluating the sustainability and safety of packaging more closely than before

Addressing Sustainability Concerns

With the increasing concern about the state of the environment, it is important that brands look to address sustainability concerns consumers have with packaging. FMCG Gurus consumer insights found that 68% of global consumers believe that food, drink, and supplement brands should be doing more to protect the planet. With concern that the damage done to the planet is irreversible, consumers are looking for brands that reflect their outlook on life and are addressing these concerns.

Globally, 47% of consumers say that they keep packaging for alternative uses after consumption. Packaging that can be reused and repurposed post-consumption can stand out and appeal to consumers. Another way that brands can appeal to consumers is through incentives such as discounts when reusing packaging to encourage people to keep and reuse the packaging after use.





Another way to tackle issues surrounding sustainability is by addressing food wastage. Brands should look to use packaging that can help extend the shelf life of a product without the need for artificial ingredients. Additionally, brands should ensure that easily perishable products are not damaged along the supply chain due to inferior packaging. By reducing food waste,

brands can show consumers that they are addressing and tackling sustainability issues within the food and drink industry.

However, it is important for brands to be aware that consumers are becoming increasingly skeptical toward sustainability claims made by brands. Therefore, it is important that any claims made around sustaina-



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 SUSTAINABILITY

latest news





bility initiatives are evidence-led and accurate. Information on packaging should be simple and transparent so consumers are able to make informed decisions easily.

Quick and Easy Recycling

It is important that packaging is easy to recycle with clear guidelines available to make the recycling experience as simple as possible. As food and drink is something that is consumed daily, these are the items most likely to be recycled. FMCG Gurus consumer insights found that 46% of consumers say that they find it difficult to recycle some types of packaging. Brands should do more to reduce materials in packaging to streamline the recycling process. Additionally, simplified guidelines on packaging can make recycling easier for consumers who may not know if certain packaging is able to be recycled. Brands should also actively communicate the benefits of sustainable packaging types.

Even with more consumers concerned about the environment, it is crucial not to overestimate how altruistic they are. People are less likely to recycle packaging that is deemed confusing to recycle. FMCG Gurus consumer insights found that 41% of global consumers say that they find recycling to be too time-consuming. This further highlights the importance of brands providing simpler recycling information that's easy to understand on the packaging of products.

Health and Safety Concerns

Another issue is consumer concerns about the health

and safety issues surrounding packaging. As a result of COVID-19, consumers have become more risk-averse and aware of the origin of the products they purchase. Consumers want to know that the products they purchase have not been exposed to germs, viruses, and bacteria along food and drink supply chains and that these germs and bacteria will not survive on the surfaces of plastic. Additionally, consumers are concerned that plastic packaging may contain chemicals that are both harmful to the individual and the planet. As a result, consumers are re-evaluating the role of packaging and looking for packaging that is robust and ensures product safety. Therefore, it is important that brands ensure their packaging is safe, tamper-proof, and robust as well as easy to recycle.

Consumers are willing to pay premium prices for packaging that's green and clean and is deemed safe by these consumers. FMCG Gurus consumer insights found that over half of consumers are happy to pay more for a grocery product if they know the packaging offers them maximum safety. The heightened emphasis being placed on packaging that is green, clean, and safe is something that is going to continue for some time as consumers continue to be concerned about future variants of COVID-19, their overall wellbeing, and the state of the environment.

Emily Smith,

Content & Editorial Analyst at FMCG Gurus





INDUSTRIAL LABELLING MACHINERY MADE IN ITALY

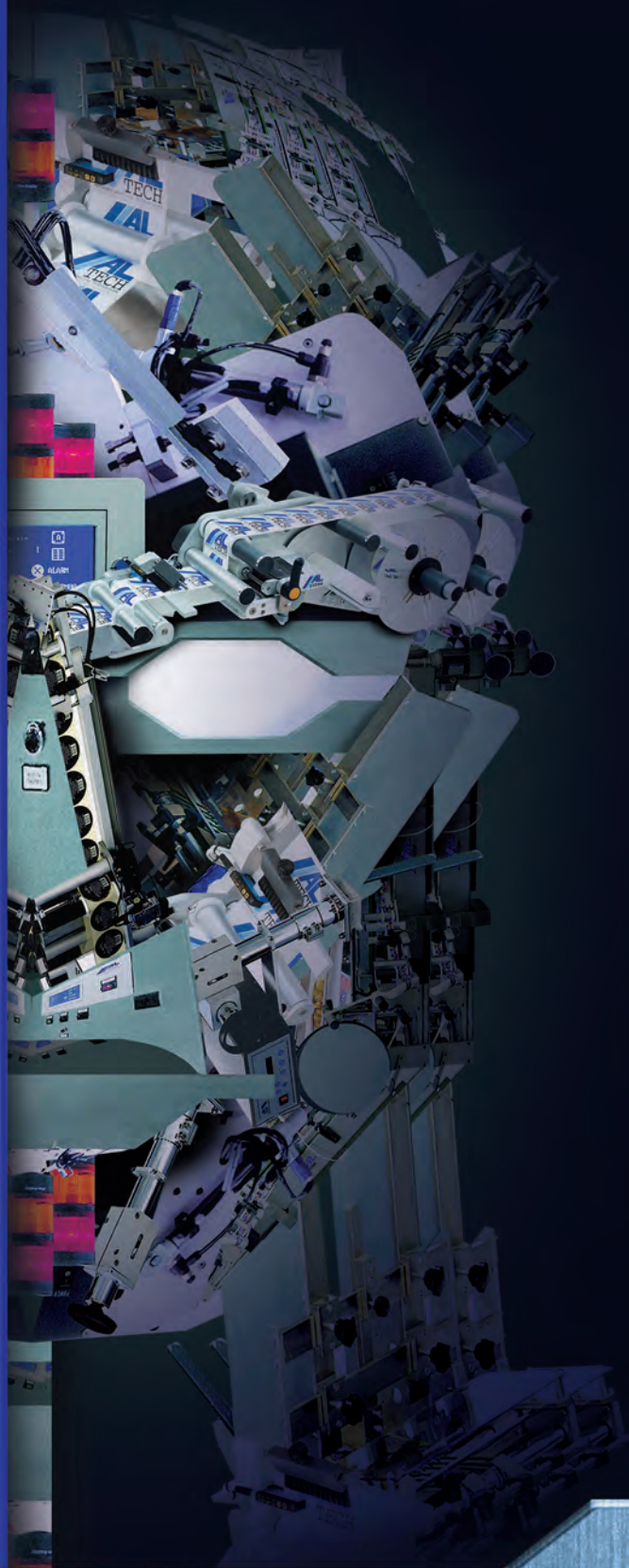


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ALTECH AT PACK EXPO 2022

After the positive response at Ipack-Ima, held in Milan back in May, ALTECH is preparing for the second major trade fair of the year in which it will be exhibiting directly: Pack Expo Chicago 2022.

Pack Expo Chicago is one of the most important international exhibitions dedicated to the packaging and processing sector, which is held biannually in autumn. Every edition welcomes tens of thousands of visitors not only from the US, but from more than 100 countries spread over five continents.

Pack Expo has therefore become an unmissable appointment for ALTECH, where we show off the latest innovations in the labelling machine sector with great success. The US is, indeed, a major importer of Italian-made packaging machines. ALTECH, whose US presence is through its subsidiary ALTECH US, based in Cincinnati, OH, will be exhibiting at **LAKE SIDE UPPER HALL, BOOTH LU 8509**. The company will be showing off a representative selection of its labelling systems, able to apply and code self-adhesive labels on almost any kind of product.



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The following are some of the most interesting labelling solutions which will be on display:

1. An ALstep E labelling machine, the most compact and economical labelling head on the market!
2. An ALstep S labelling machine – versatile and modular, one of Altech's best sellers.
3. The ALritma X high-performance self-adhesive label applicator, ALTECH's top-of-the-range labelling head which can reach a speed of 1,000 labels per minute, while maintaining absolute precision even at variable speeds.
4. An ALritma T labelling unit, with SATO printing unit, able to print and apply labels to moving products.
5. The new ALcode labelling head model, for printing and applying labels in real time.

ALTECH looks forward to welcoming visitors to its stand, and will be pleased to suggest the most appropriate solution for each and every labelling requirement.

www.altech.it



PACKAGING AND ASSEMBLY FROM THE HEART OF TECHNOLOGY

What do food packaging, non-food packaging, and assembly have in common? Cama Group designs and manufactures high-performance systems for these applications, starting with its technological heart, around which are developed production lines tailored to specific demands. Furthermore, the most advanced devices for robotic automation, Industry 4.0, virtual reality, and real-time assistance are integrated on board to simplify and adapt the production process.

Being transversal is a source of competence-based advantage. It enables you to manufacture in any sector using cutting-edge technology. This concept also inspired automated assembly solutions.

Cama combined and accumulated experience in the food and non-food industries enabled to select the best technology for the benefit of users. In the non-food sector, Cama applications concern the secondary packaging of products for personal care, well-being, and hygiene: aerosols, shampoos, cosmetics, sanitary towels, wet wipes, but also products for the pharmaceutical sector, to name a few. Experiences that have made us well-known in this industry, allowing us to develop innovative and customized solutions.

"On this subject, we can give the example of a plant that we recently built for assembly that has exploited the performance and flexibility typical of the food industry and that has been studied in all its details in collaboration with an important customer," **Alessandro Rocca, Group Sales Director**, continues.

"A sequence of components had to be combined as part of the project. To do this, we developed an automatic gluing system: dispensers were made up of many elements, each of which required a pick-and-place system that recognized the pieces to be picked up, combined, and then delivered to the consumer in their final packing in the shortest time possible."

Building packaging and assembly applications requires a technological heart

The concept that drives the machine developed for assembly applications is the same as that which behind the machine designed for the sector of packaging. It is a true technological heart around which are integrated the parts of the components that allow the production of highly productive solutions tailored to the needs of the customer.

"Cama solutions are cross-category; they begin with the technological heart, around which the production packaging or assembly solution is customized." When the line needs to adapt quickly to new productions, perhaps for small batches, their flexibility and quick format change are essential features. We did not start from zero, but rather from Cama's technological heart, which has been developed over time."

Alessandro Rocca continues. *"The road we've followed is exciting: we work with customers to design projects, even the most complex packaging and assembly projects, that all have one thing in common: productivity and efficiency, 24 hours a day, seven days a week. Some logics differ, such as code management, data management, and product handling, but this occurs in any program, and our job is to customize them."*





Cama is a specialist in secondary packaging and at the same time is able to create complete systems thanks to the network to which it belongs.

"We develop the secondary packaging section of the plant, and the rest of the line's integration is completed in cooperation with our partners.

Whether or not we are in charge of the entire project determines whether or not we are responsible for the integration of all machines on the line. Other suppliers can be validated, or if the customer has the appropriate skills, he can choose to insert what he prefers straight into the line and handle the machine integration himself."

Alessandro Rocca continues, *"In the case of the assembly plant, we designed this solution with a new approach than usual. It was studied within a closed rectangular circuit instead of programming in-line machining. The system is very compact: it has four stations as opposed to three that could house a similar system but in line. The plant has a quick format changeover and a high assembly speed of the parts, which is typical of the food industry. Furthermore, we have improved accuracy: you don't get to the level of machine tools because it wasn't necessary, but it is undoubtedly higher than that of the food industry itself."*

www.camagroup.com



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DUETTI PACKAGING: DESIGNS AND PRODUCES END-OF-LINE PACKAGING SYSTEMS

Duetti Packaging with decades of experience, designs and manufactures complete lines for the automation of secondary packaging.

The high level of personalization in the solutions, ensures that the individual requirements of each and every customer can be met.

The expertise of the technical and commercial staff allows us to identify and develop the most effective decision to streamline packaging operations for end-of-line and logistics.

The production of Duetti Packaging includes the complete range of machines involved in packaging, with connections and data interfaces with other parts of the line, both upstream and downstream.

The range of equipment starts with depalletizers, to take empty containers and feed them to the filler and then further down the line Duetti Packaging, with its cartoning machines takes back control of the containers which can be bottles, (both glass and plastic), canisters or jars and inserts them in preformed cases that can be later closed by adhesive tape or hot melt glue.

Duetti packaging next can palletize boxes, cartons, shrink-packs, trays, crates with a wide selection of machines available from the production range with all modes of automatic palletizing possible, i.e.: Cartesian, gantry, sweep (high & low level) as well as industrial robots.

From the palletizer we go to automatic pallet wrapping with rotary table, rotary arm, ring stretch-wrappers or hooding machines all available.





Duetti
packaging



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✓ **PACKAGING**

✓ **AUTOMATION**

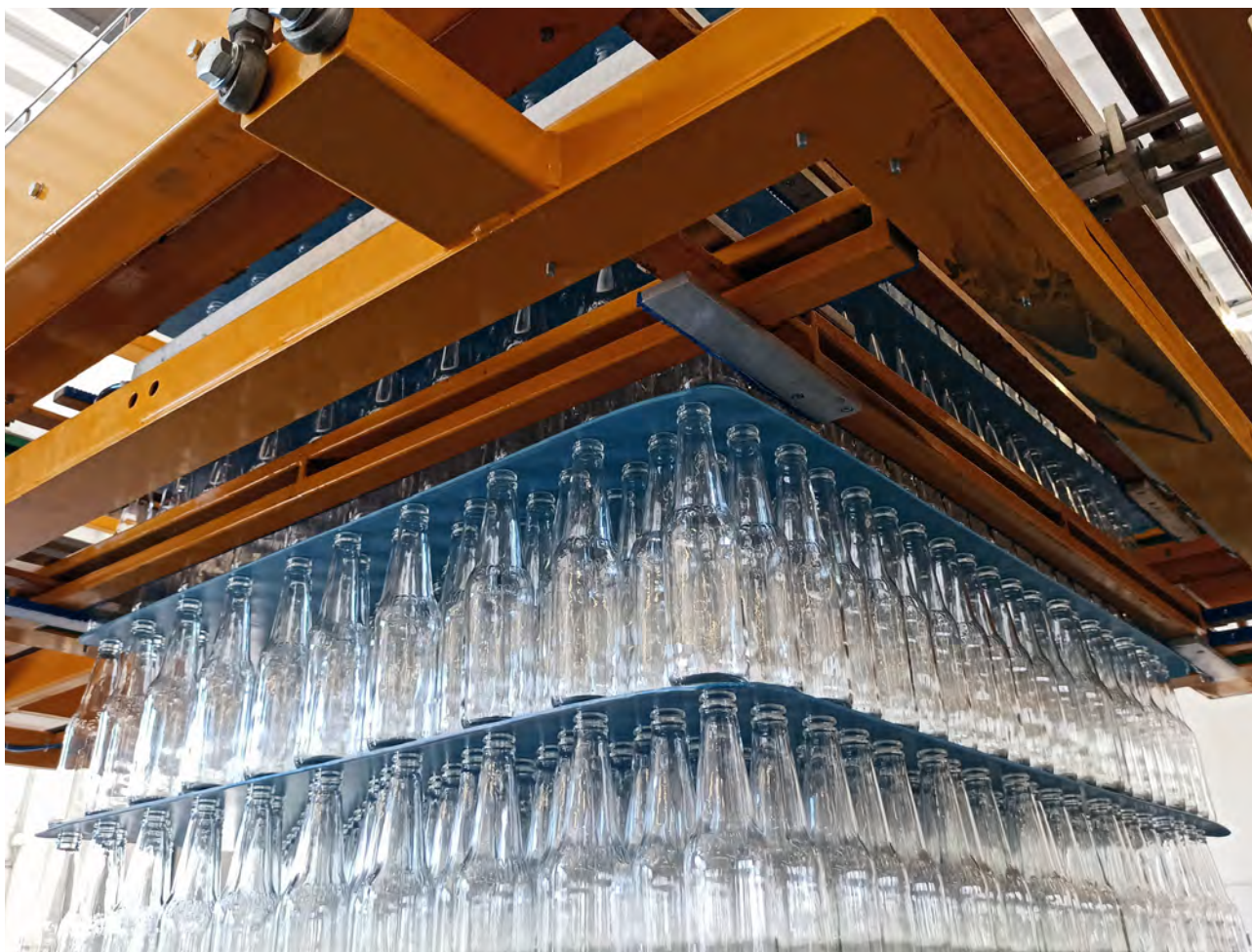


The wrapped pallet is not necessarily the end, as options exist to transport pallets with Duetti Packaging shuttle car systems and range of AGV/LGV models automatically to the warehouse without the need for forklifts or operators, the same systems can be used for feeding stacks of empty pallets to palletizers or placing the pallets on the ground.

Duetti packaging management software can ensure traceability and warehouse operations with integration with a company management system.

In the end when the product needs to be stored in the warehouse Duetti Packaging, in partnership, can provide automatic warehousing as well as picking/depicking solutions for multiple pallets.

www.duettipackaging.com



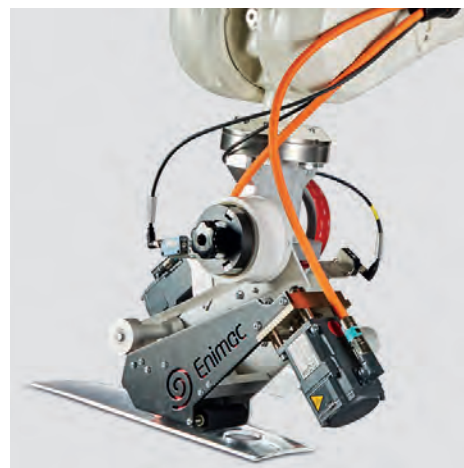


Tape Application Solutions For Your Industry

Packaging:

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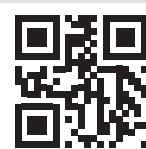
apply typical close-open and close-open-reclose
tape configurations in 1 pass with 1 applicator.



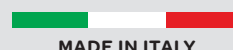
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Tape Application Made Easy



ENIMAC ISN'T JUST ANOTHER SPECIAL-PURPOSE MACHINE DESIGN COMPANY

Enimac founded in 2013 and located in Italy just outside of Milan, designs, manufactures and sells standard tape application machines, custom tape application solutions, and tape applicators for integration into production lines or other machines that require an added tape application process. The company helps customers accurately apply tape where needed, increase productivity, save external costs, and free internal personnel from taping for more value-added activities.

It has clients in over 30 countries from the Americas to Europe and Asia and has distributors in several countries and also sells direct.

Its standard products apply tape to many products – envelopes, posters, pocket folders, FSDUs, wobblers, frames, cardboard sheets, PVC strips, aluminum sheets, etc. Enimac currently has three standard machine models for small, medium and large formats.

Key characteristics of their applicators include:

- All applicators are individually programmable.
- Fully electronic with no need for compressed air.
- Easily read and apply tape to white, colored, black, transparent and die-cut substrates of many materials including paper, cardboard, plastic, metal, glass, etc.
- Apply many different types of tape with the same applicator
- Can apply more than one strip of tape with the same applicator

In addition to the standard products Enimac has also delivered solutions with 2- & 3-axis



cartesian systems, pick & place technology, and is developing a Cobot solution. The company serves many industries including packaging, automotive, medical, and appliances among others. Being part of a tape converting group Enimac advises clients on tapes that are right for their application and its machines and also develops solutions that are perfectly adapted to a particular tape and/or substrate. Enimac is not just another special purpose machine design company. It has tape in its DNA. 🏢

www.enimac.it/en





It has tape in its DNA



Enimac

Tape Application Made Easy



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FOOD



COSMETIC



PHARMACEUTICAL



DEAR COSMETICS PACKAGING, SAY CHEESE!

They also call it “the silent salesman”: packaging is an element of prime importance that greatly impacts the purchase decision. Even more so now that shopping has moved from the shelves to the web, it is a phenomenon that can be encapsulated in the concept of “instagramability”. In brief, packaging needs to be good-looking and photogenic.



by **Elisa Crotti**

Pages and pages have been dedicated to packaging in marketing manuals. The wrapping that envelops and contains the product is such a significant aspect of communications that it is rightly considered to be **part of the marketing mix**, meaning the set of marketing levers deployed by a business to satisfy consumers and achieve their market goals. It is so relevant in fact that it is referred to as the “silent salesman”.

The reason for this term can be explained in a few words: all consumers, no matter how naturally rational they tend to be, generally make purchases on emotional grounds and their rationality only kicks in at a later point, mainly to justify an emotional choice. It is not surprising, therefore, to learn to what extent the packaging, the external image of a cosmetic product, can evoke visions, emotions, and dreams, making it more desirable





than others. The consumer is totally unaware of this mechanism, hence the silent salesman concept.

The right packaging

While thousands of marketing pages have been dedicated to packaging, the truth no one is willing to admit is that there are no universal elements for defining

successful packaging. Whether a certain type of packaging pleases or not is an aspect not only **defined by the historical period**, but also by other elements that inevitably “dialogue” with the pack. First and foremost, **consumers and their personal value system**.

Also of primary importance is **the relationship with the product content**, which is valorised by the pack-



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aging, and even narrated in some cases. Let's take the example of an organic cosmetic product, presented in a glass jar with a bamboo lid: this sort of consistency is bound to be a winner because it inspires consumer confidence. Equally relevant is the **channel** used to distribute the product. To put it in banal terms, if a product with a mass retailing image is distributed through perfumeries and beauty shops, it will probably be a flop. And so on, in a long list of situations in which the risk of something misfiring and the silent salesman becoming hostile lurks around the corner. Finding the right packaging is an authentic art.

Two elements, however, seem to have become constant trends in recent times.

The first of these is a preference for **honest packaging**, devoid of excess. People do not like overpacking, that is, when the secondary wrapping is out of all proportion with the primary container, so much so that it requires extra filler material. Examples of this kind can be found in some women's bathroom cabinets: 15 ml jars of cream contained in 5x12 cm boxes. Ethically and ecologically unacceptable.

The second trend, closely related to the first, regards the clear preference for **sustainable packaging**, whose global market will reach a value of about 440 billion dollars by 2025, with an annual growth rate of 7.7% (survey conducted by the market research company, Research and Markets).

Also, on the grounds of new directives on plastic issued by the European Commission, the cosmetics packaging market will undergo an authentic green revolution: polluting materials will be increasingly replaced by **paper packaging** or made from recyclable or biodegradable raw materials.

The importance of being noticed

Being noticed has always been the primary vocation of packaging, but the context with which products interact has radically changed. And this brings us back to the topic of the Covid-19 pandemic.

More specifically, while the shelves of a sales point – perfumery, beauty salon, chemist, or herbalist – were until recently the only go-to places for the purchase of cosmetics, today the web has become our virtual shelf.

So, market research has responded by coining the concept of **social packaging**, because instagramability has become an essential criterion in successful marketing strategies, so much so that packaging philosophies have been reshaped to become increasingly creative with a versatile design.

It is superfluous to explain how different it is to design a successful packaging solution for a three-dimensional world, which finds its perfect setting in a 2D world: no longer just the outer wrapping of the item on sale, but the promise of a desirable experience.

Here are some tips for those engaged in designing Instagram-ready packaging, the channel through which consumers will form their "first impression" of the product. The keyword is **minimalism**. "Less is more" is a popular mantra, and particularly true of the web. We consult the web from the screen of a PC or a smartphone, and it makes a big difference when the product image occupies just a few centimetres of space. So, the focus is on transparency: if there's one thing that hardly ever goes out of fashion it's pared-down, monochromatic, and readable packaging, devoid of fuss and frills. We can look to important brands for examples: Gucci, Chanel and Dior lead the way. Not only do they

communicate elegance, but they also stand out clearly when photographed.

Another certainty lies in **pastel shades**, which are perfectly identifiable on a screen, pink especially, officially the web's most beloved colour. If pink is not your favourite colour, it is nevertheless important to identify a colour palette and stick to it, so that you are immediately recognizable and associated with that colour. There are plenty of everyday examples to refer to: what would Coca-Cola be without red?

The challenge of cosmetics packaging

Designing the "right packaging" on a market that is ever evolving and increasingly crowded is becoming an authentic challenge, on which product success is hinged. In a delicate balance between adaptation to trends and innovation, between what is instinctively pleasing and what stimulates the curiosity, to generate amazement, new packaging solutions are being developed with unprecedented materials, colours, images, and sensorial effects. It is a job for tightrope walkers that awards those who are sufficiently daring.



THE FORESEEABLE MARKET EVOLUTION FOR HDPE CONTAINERS

A new generation of machines is needed that can use very high percentages of PCR

The market for HDPE liquid containers was born in the 50's, it has grown continuously, and it became a "high commodity" product with a low contribution margin: it is used on a large scale in all Countries of the World to pack "non-beverage" liquids, which remain largely within PET segment.

During these seventy years of life, technological progress and consumer needs have contributed to change production processes, making them more reliable, more efficient and faster.

It is therefore legitimate to ask what the foreseeable evolution of these products could be, in the light of the circular economy that commits the industry to an exercise of "think different" as fascinating as it is complex.

The raw material is widely available and the recyclability processes to create new resin (PCR) are consolidated: a new generation of machines is needed that can use very high percentages of PCR, in mono or multi-layer version.

Design and marketing play a non-secondary role in the ecological transition that is required: the weight of the containers must continue to decrease, the number of colors used must be reduced to promote recyclability, while rapid colors changeover became a must for the extrusion heads.

The new generation machines will have scalable solutions for the extrusion process, in a way to allow the use of bio-compostable and / or bio-degradable materials: these materials are available, but still in limited quantities and at relatively high costs.

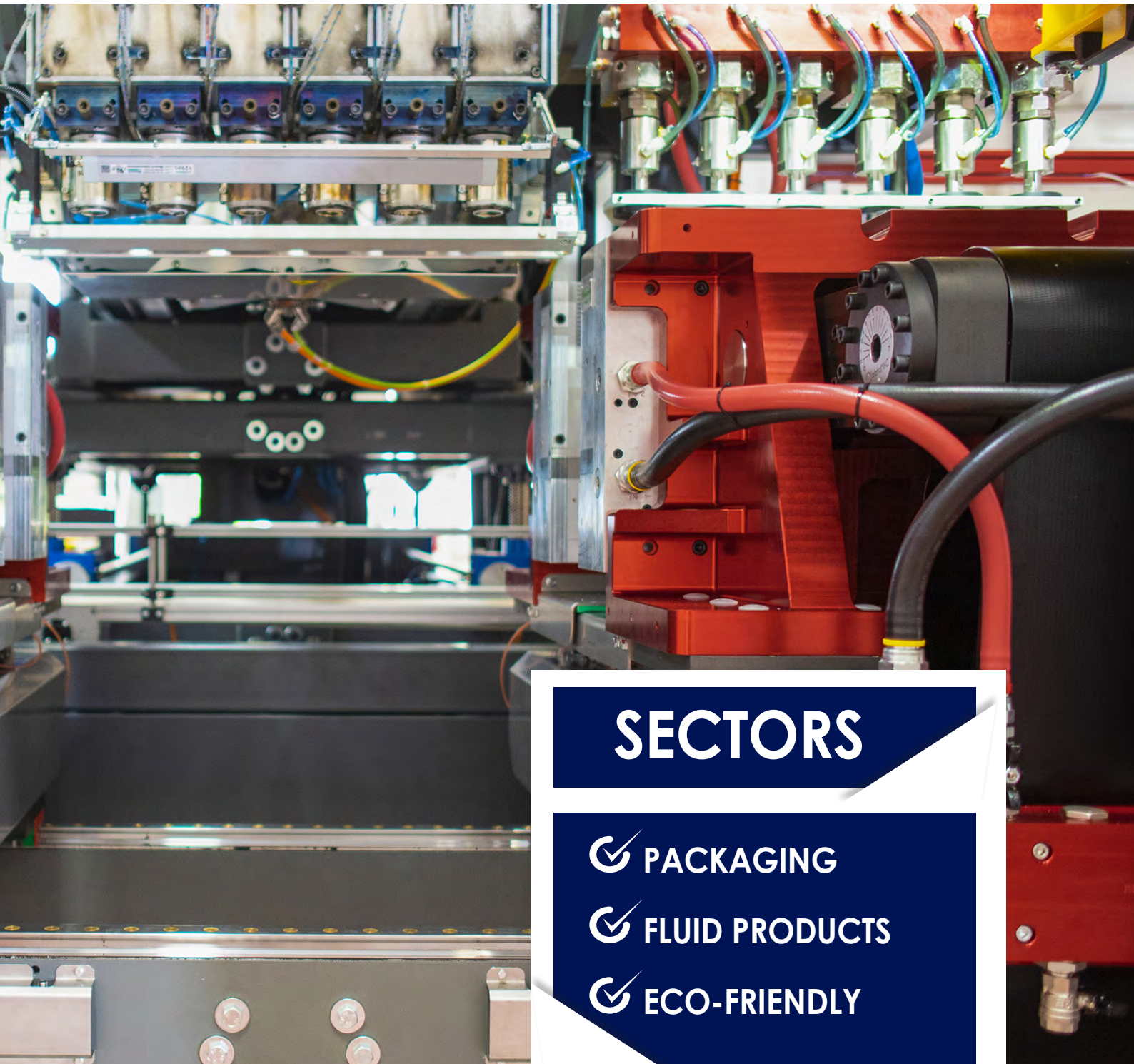
On this topic it is worth mentioning a recent Market Survey, which highlighted the willingness of consumers belonging to the "baby boomer" and "Z" generations to pay a higher figure for a product that is presented in "eco-friendly" bottles.

Returning to the topic of blow moulding extrusion machines, it is absolutely necessary to reduce energy con-





alphaMAC



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✓ PACKAGING

✓ FLUID PRODUCTS

✓ ECO-FRIENDLY





sumption: a statistical census of the existing machinery fleet on the Western market has revealed that it consists of more than 73% of hydraulic motion machines.

The transition to electric machines is worth a direct energy saving of over 35% and overall indirect, including the costs of utilities and maintenance, of over 55%: this is one of the milestones for the application of the concept of circular economy to this technology.

Not only, the accurate management of the downstream of blow moulding extrusion machines, the drastic reduction of personnel related to the final packaging of the bottles, the degree of automation and traceability of the product are other elements of challenge and cost reduction of HDPE bottles.

At this point, the circular economy, the ecological transition and the Industry 4.0 concept meet, in order to generate innovative production processes, with plants including low labor intensity, low energy consumption and high efficiency, fully interconnected, resulting in competitive TCO.

This scenario, compatible with the general evolution of the modern world, requires economic investments, technological research and, most importantly, the commit-

ment of companies to achieve the set goal, otherwise their competitiveness will be significantly reduced.

Alphamac, as a company belonging to the IMA Group, one of the world leaders in the packaging machinery industry, has been following these guidelines and it offers to the market machines and complete solutions that cover the needs dictated by this further step forward of a fascinating technology and that, born seventy years ago, still finds its valid place in the world of packaging for fluid products.

www.alphamac.it



IMA **alphaMAC**

The avant-garde in fluid packaging

Alphamac will meet you at **K 2022**, 19th - 26th october



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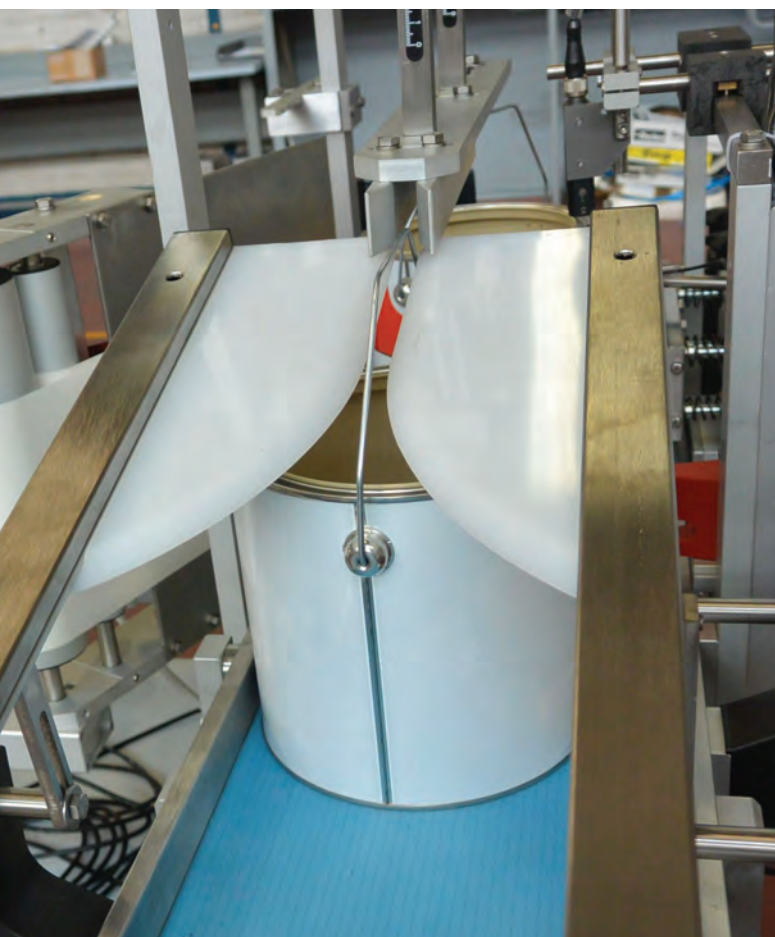
ETIPACK: WRAP-AROUND LABELING SYSTEM FOR PAINT CANS

Dutch company producing a wide range of paints for the professional and high-end consumer markets. **System 1 Turning with Energy labeller 200 for applying labels of different formats, aligned in relation to the handle.**

The company was looking for a system to apply large labels to cylindrical buckets of paint. The need was in particular to ensure that the labels could be oriented to obtain a precise centering with respect to the handle positioning. In order to achieve this objective Etipack designed a special System 1 Turning able to feed the product and orient it in the correct position to allow the application of the label with a precise centring with the handle.

Labelling machine Energy 200

With a hybrid stepper motor and magnetic encoder, it applies labels at a speed of up to 50 m/ min. It features an unwinder with adjustable plate brake and aluminium plates for label reels up to 380 mm in diameter.





SECTORS

✓ PACKAGING

✓ FILM

✓ LABELLING





Swing arm and winding device

A swinging arm, positioned before the drive unit, keeps a steady label roll tension. The winder allows empty liners with a diameter of up to 280 mm (380 mm as the diameter of the label roll) to be rewrapped. The internal capacitive encoder detects the end of the label roll.

Tastex photocell

In synchronisation with the labeller, it detects the the passage of the product and triggers the label distribution

Control panel

Touch-screen interface display 2.8"

Input product orientation

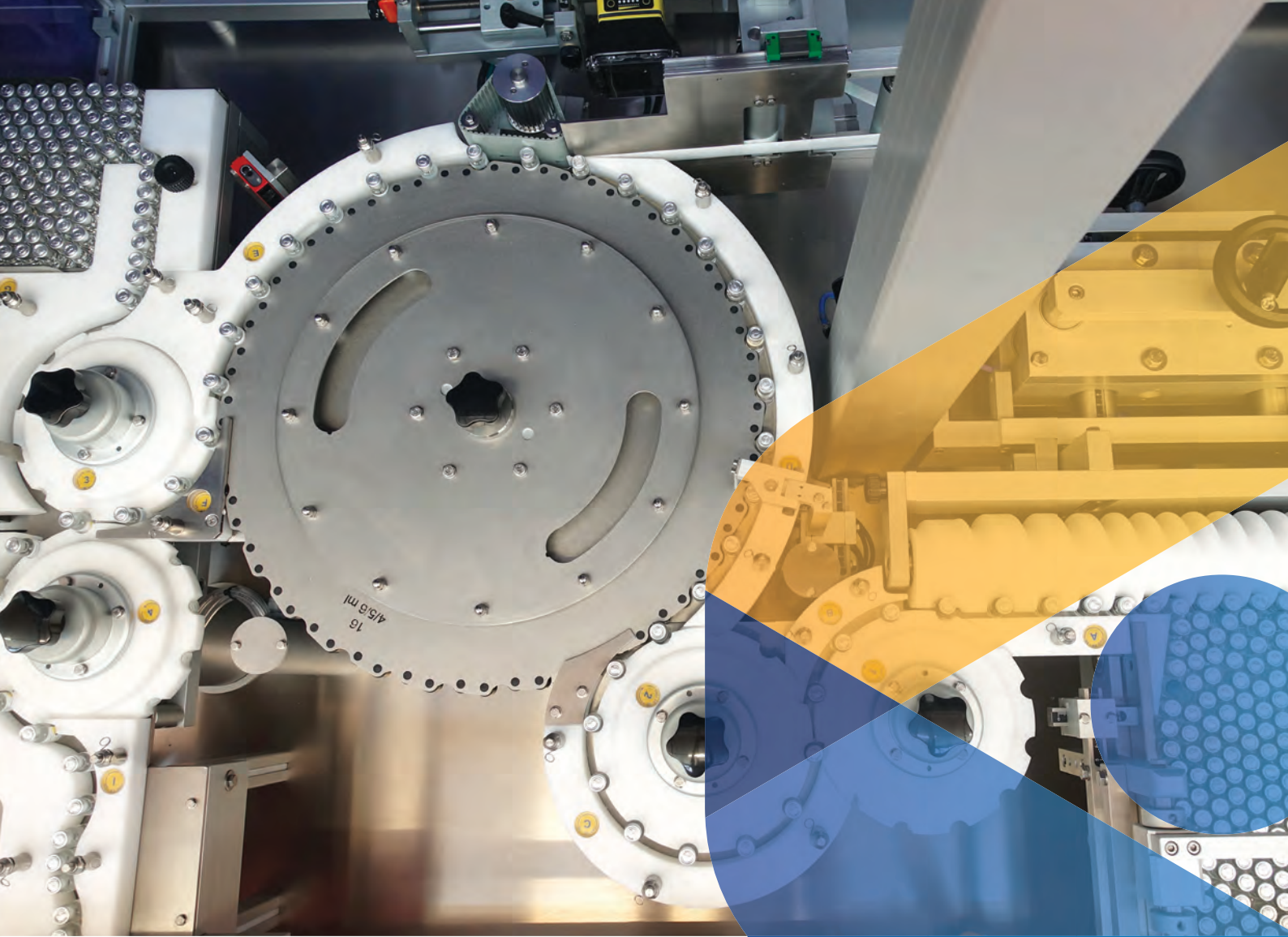
Thanks to a customized pre-orientation bucket system, the product is correctly positioned. A special guide then allows the handle to be lifted to enable wrap-around labelling.

Product orientation for labelling

In order to allow the correct application of the label, a turning orientation device has been designed. It consists of: two opposing rollers - one to stop the incoming product and the second to position the product to be labelled - and a geared roller spinning the product during labelling. A special magnetic device ensures the handle to be kept raised during rotation. The presence of a photocell allows the label to be correctly oriented in relation to the product.

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 **etipack®**
labelling, coding, caring

LABELPACK®, PACKAGING OF BAKED SWEETS

Flow-pack packaging machines offer the most high performance solutions for packaging sweet baked goods (for example brioches, rolls, snack cakes, cookies, and breadsticks), creating a very protective package while maintaining the visibility of the product inside thanks to the use of special neutral or printed plastic films.

Some sweet products are packaged loose in plastic bags with the classic vertical packaging machines, which are capable of creating pillow bags or square-bottom bags.

The use of neutral or partially printed plastic film makes it possible to manage the packaging of small production lots by customising the package during the packaging phase through the application of a self-adhesive label which displays all of the product information.

The LABELX® labelling machines can be perfectly integrated into flow-pack packaging lines with a high or low bobbin, for label application that keeps up with the constant flow, electronically synchronised with the movement speed of the packaging film and on vertical packaging machines with application systems that can be integrated in the film unwinding area or in the forming tube area.

Two different LABELX® labelling machines are available: 140mm wide and 250 mm wide. The advanced management electronics guarantee precision of the application at any speed. All of the operating parameters can be managed from a simple and functional touch-screen operating panel.

Thanks to the integration of a printing and thermal transfer unit, LABELX® labelling machines can transform into high performance print & application systems that are capable of solving online-print issues with variable data like: product name, ingredients, bar code, and other customised information. The print data



SECTORS

 **PACKAGING**





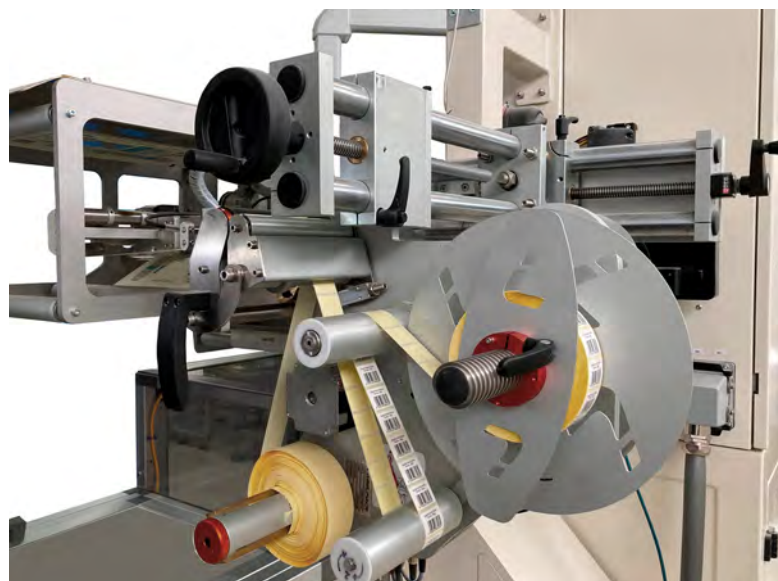
is managed by the BarTender® advanced label creation and printing software.

The LABELX® JR is suitable for low and medium productivity applications and, like all of the labelling machines produced by LABELPACK®, can be equipped with printing and thermal transfer modules for the printing of variable data and bar codes.

It can be configured to all application systems available on the market and with numerous accessories that allow for easy integration on the various kinds of packaging machines.

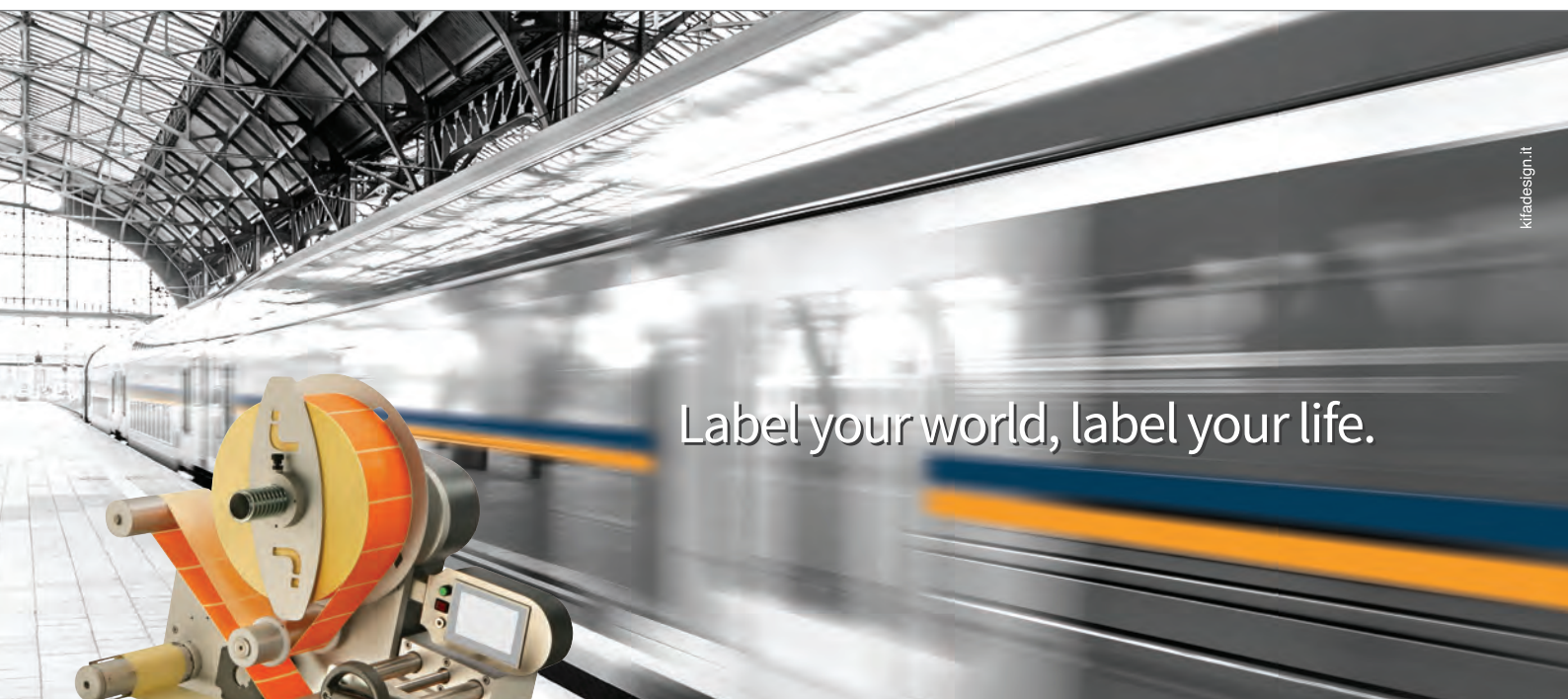
LABELX® labelling machines are the heart of the MODULAR and COMPACT labelling systems. These systems are specifically designed for automatic labelling downstream of the packaging machine for primary packaging in which integration on the packaging machine itself is not possible.

The system has a modular structure with a stainless steel tubular frame that houses the labelling units and the conveyor belt which transports the products and other accessories necessary for the proper application of labels on the package.



The direct and indirect collaboration with numerous manufacturers of flow-pack and vertical packaging machines has allowed LABELPACK® to develop solutions which are always up-to-date, adapted to the ongoing technological evolutions in the sector, and able to respond to the need for flexibility and reliability requested by users.

www.labelpack.it



Label your world, label your life.

LABELX®

A perfect choice for food industry.

Labelling solutions for cans, jars, bottles, trays, boxes and bags.

Print & Apply solutions for boxes and pallets.



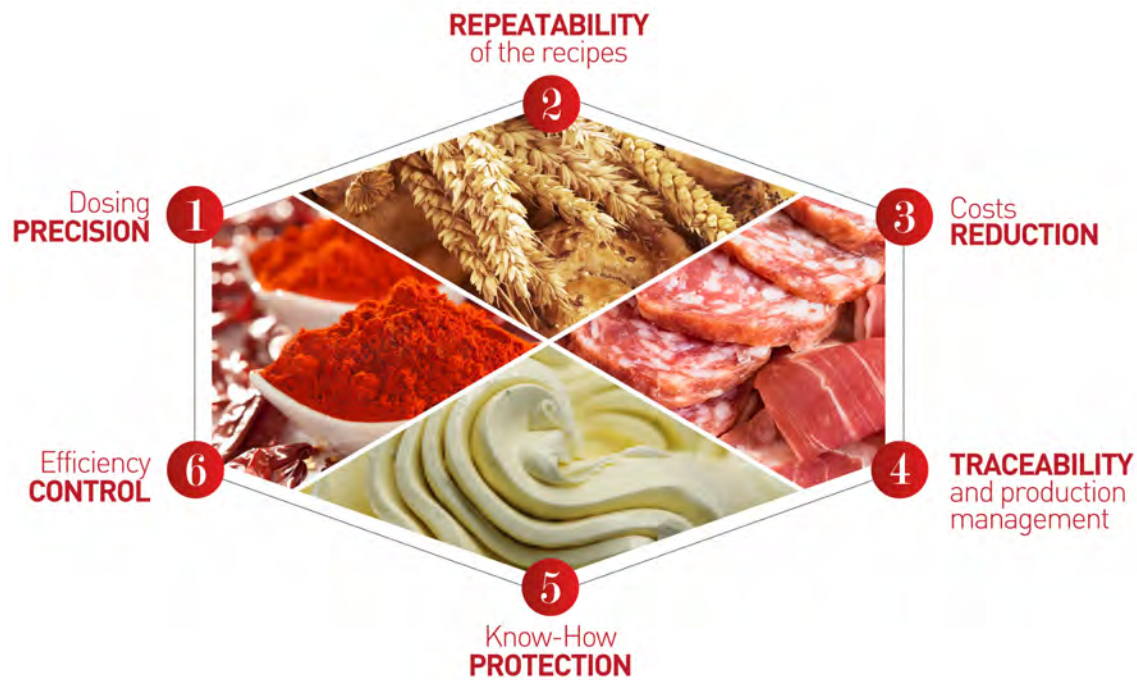
EXPERTS IN CREATIVITY, INNOVATION & SUSTAINABILITY

A quality designed to last. This is Lawer's mission statement, a Biella based company, internationally recognized for the excellence of powders and liquids dispensing systems. This excellence begins with a preliminary analysis phase, to the equipment commissioning, to ensure safe and automated systems, operated by a high-class software which is able to adapt itself to the manufacturing companies' changing needs. Quality is also the ability to provide the most efficient service and maintenance, being always on time and close to its customers thanks to a world-wide presence.

Since the beginning Lawer has always implemented the strategic decision to invest on people, research and new technologies. Thanks to the analysis and development of the technical department the company shows its strong projecting capabilities. The task of finding the most innovative technical solutions for the systems continuous improvement is essentially provided by a qualified and professional team, which is constantly updated and trained with new technologies.

For this reason, Lawer continues leading in an increasingly competitive market. Lawer's dosing systems automatically weigh all the powder and liquid





ingredients present in the recipes and batches, where the micro dosage of ingredients is required.

All Lawer's systems are the result of Lawer's 50-year experience and know-how in the design and manufacturing of dosing systems for many different applications in different types of industrial productions.

With the automatic powder dosing systems, it is possible to grant:

- **The highest quality of the finished product**
- **The highest weighing precision**
- **Replicability of the recipes**
- **Right balance of raw materials**
- **Production management, efficiency and cost reduction**
- **Complete confidentiality of know-how**
- **Optimisation of production, less production time**

More time/less costs, the automatic dosage system reduces the production time with consequently recovering of efficiency and marginality.

Confidentiality, it is possible to keep secret the composition of the recipe and protect your creativity and your know-how.

Control, it is possible to monitor and verify the daily production, monthly production, the consumption of each single raw material or each single recipe accessing to a protected area.

Replicability, in a fully automatic way, the system repeats countless times the error free weighing of the micro-ingredients of the recipes, guaranteeing constant quality at all times.

Less errors, less cost, higher quality of the finished product.

Traceability, all the weighing operations are saved and made available for a perfect traceability.

Saving, the systems contribute to reducing errors and time in the recipe preparation, thus reducing costs of production and personnel.

Lawer can supply different models of Automatic Dosing Systems, with single, double and multi scale technology (**mod. UNICA TWIN, UNICA HD & SD** and **mod. SUPERSINCRO**), with different levels of accuracy (**1gr – 0.1 gr or 0.01 gr**) and different capacity of powders' storage (from **50 lt** up to **300 lt** capacity of each hopper). Lawer is the ideal partner for the automation of the powder micro-ingredients dosing.

www.lawer.com

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

SECTORS

 **DISPENSING
SYSTEMS**



MINI MOTOR WIRELESS TECHNOLOGY: COA – CAN OVER AIR

New patented technology named COA is bound to become a reference in the sector

Mini Motor was established in 1965 and took its present company setup in 1974 strongly orienting its production to **electric motors** for industrial sector. Starting with metal and electricity, its know-how was further extended to **electronics** and **IT technology**, and between the end of the 70s and the beginning of the 80s, its background was further developed with industrial automation and mechatronics, strategic traits and inherent part of Mini Motor's DNA since its foundation.

Research, development, and innovation: COA – Can Over Air, Mini Motor new wireless technology.

In 2012, Mini Motor started new design renewal and R&D path by introducing drives on gear motors and servomotors, followed by design and development of an extensive product range that would continue for many years to come. At the same time, the company was also committed to different types of fieldbus, analogic firstly (Canopen and Modbus), and the evolved bus Ethernet secondly (Profinet, Ethercat, Powerlink and Ethernet IP).

All that let to considerable saving in terms of wires and support chains, and especially to more efficient control boards by delocalizing drives directly on the motors. After this phase, in 2018 the company focused on a new, ambitious, and exciting project: doing something more for machinery overall saving.

From this work **COA – Can Over Air** was created.

Mini Motor has studied a proprietary wireless bus on ZIG-BEE technology on 2.4 Mhz, which enables driving a motor wirelessly by simply sending information through a coordinator provided by Mini Motor, which creates a real transparent wire to remotely control all changeover or speed variations, and torque. This new patented technology named COA is bound to become a reference in the sector, as wires used to be. The code number of the new range will have the prefix "W" and this letter can be applied to all Mini Motor integrated drives of Series DBS, DR and FC-Fast Change for highspeed changeover.

Mini Motor has always a step into the future. Let's join in this innovation path!.

www.minimotor.com



Fast Change

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AUTOMATION





GSP 50 S
electronic horizontal
pillow pack
wrapping machine

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36015 Schio (VI) Italy
info@gsp.it - www.gsp.it



general system pack

+39 0445 576 285

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



MULLER & KOSTER: THE COMPANY THAT BROUGHT IMPROVEMENT TO PERFUMERY IN ITALY

7 5 years ago, MULLER & KOSTER S.P.A. began an exciting journey. The company that brought improvement to perfumery in Italy was founded actually in 1945. From then on, and for each 75 years of history, MULLER & KOSTER S.P.A. has undergone a profound transformation, demonstrating a constant ability to reinvent itself.

In these 75 years, Muller & Koster S.p.A. has launched on the market 35,000 fragrances, 140 essential oils, and a wide range of flavours for cosmetics, in different versions and allergenic profiles. Starting from 2019, the brand's range has experienced an important leap forward with the entry into the natural fragrance segment with a list of over 300 100% natural fragrances certifiable Natrue and Cosmos. The evolution and modernization of fragrances has been a constant throughout the journey, and to this has been added a technological development that has shaped every aspect of the essences, from the technical aspects to compliance with mandatory regulations up to the elimination of allergens.

MULLER & KOSTER S.P.A. has made giant steps with the aim of converting into a service provider and going beyond the production of essences, with the aim of responding to one of the major trends of the future: the collaborative, shared and sustainable economy. In this sense, in 2019 MULLER & KOSTER S.P.A. has started a careful scouting of current trends and communicating to its customers the news of the sector in order to enhance the marketing services of customers at no cost.

MULLER & KOSTER S.P.A. intends to strengthen business models linked to the new concepts of natural fragrance, absence of allergens, sustainable products, with particular focus on Cosmos and Natrue certifications. As part of the commitment for a more sustainable and environmentally friendly production, MULLER & KOSTER S.P.A. is committed to a strong reduction in electricity consumption and natural resources.

Since 2018 Muller & Koster is deeply involved in UN 17 Sustainable Development Goals. One of the key objectives of the SDGs is focused on our planet protection, which can be supported by a more sustainable production and consumption.



SECTOR

✓ PERFUMERY

✓ COSMETIC



MULLER & KOSTER

Fragrances and Flavours





Our goal is to contribute to this objective, how can a producer and a manufacturer of fragrances and flavours further support the transition towards a more sustainable industry?

Sustainability does not only refer to the way ingredients are sourced or how the product is produced, but also to the materials used during its production and post-production. Innovation is key to support sustainability in the fragrance industry. From the formulation and production of fragrances and flavours to customer processes with an environmental impact, such as the disposal of packaging and the biodegradability of ingredients, Muller & Koster natural and synthetic products guarantee a sustainable approach both at formulation and production level.

Biodegradability is also a key factor to contribute to the protection of the environment. All Muller & Koster products are microplastics free.

Finding alternatives to plastics in the development of packaging is extremely important, Muller & Koster encourage the use of aluminium and iron tanks to reduce the impact of plastic on the environment.

Supporting Muller & Koster brand and products, that promote respectful practices to protect the future of our planet, cosmetic and detergent producers can contribute to reduce their global environmental footprint.

www.mullerkoster.com



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Sintesy S³

Sheet to Sheet Litho Laminator

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● ● ● Swiss Engineering

OPPLIGER: THE EXCELLENCE IN SHEET-TO-SHEET LITHO-LAMINATING

Since 1994, Oppliger, a Swiss engineer, is leading the market of the laminators. Our facility is located in Brescia, Northern Italy.



The fully automatic sheet to sheet litho laminator Oppliger Sintesy 1616 S3 and 2020 S3 is an extremely high-performance machine that is fundamentally different from the rest of the machines on the market thanks to its innovative technical characteristics.

Some of the key characteristics that make the Oppliger Sintesy line one of the leaders in the world market include: high-speed performance of up to 9000 sheets per hour, a no-waste concept, high-precision lamination even with large formats, set-up times of just one minute thanks to the Matic S3 system and savings on glue consumption of up to 35%.

Thanks to all of this and more, another well-known manufacturer of machines within the graphics and converting industry has chosen to build the Sintesy machine under licence. In addition, its edge-to-edge lamination, coversheets with grammage below 150 g/m² and several new

technical details have also become standard for this machine line.

Another key feature of the Sintesy machine is its compactness: thanks to a unique delivery system it is only 56 ft in length which makes it on average 28 ft shorter than its competitors without compromising on quality or reliability. Sintesy is available in two sizes: 65"x65" (standard) and 81"x81" (maxi). It is also modular, which gives greater flexibility for the user.

Yet another selling point of the Sintesy S3 product line are auxiliary machines that allow it to be 100% integrated into the end user's existing production line.

One such auxiliary machine is the new DUPLEX pre-feeder, which feeds the substrate completely independently with any kind of material and allows the user to operate the machine automatically and safely. The



other auxiliary machine is the innovative Un-Flip-Flop Pile Equaliser TWIST 160 that normalises pallets with laminated sheets and is stacked in such a way as to avoid the warping effect.

The ready-formed and alternated packages are stacked in an even pile ready to go into the die-cutter, hence avoiding the need for manual operation by at least two employees in the die-cutting department.

The latest sales figures from Italy, Spain, Poland, Ukraine, the US, France and so on confirm the global leadership of our company. For us there are no problems, only solutions to meet the needs of our customers. It also enables them to combine the pre-feeder with a corrugator to create an 'in-line' production set-up without compromising

the functioning of the standard sheet-sheet lamination. Many major customers have chosen the Sintesy S3 solution from Oppliger for its technical features which differ so much from anything else on the market. When a potential customer is deciding between the Sintesy S3 and one of our competitors' products, all we have to do is demonstrate our machine on their premises and we will always come out on top. No one of others machines gave even comparable results to those achieved by the Sintesy S3 when it comes to performance and reliability. Several very important companies in the USA have placed their trust in Oppliger's Company.

www.oppliger.eu



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PACKAGING



PAPER CONVERTING



LITHO-LAMINATING



RESEARCH INTO SUSTAINABLE PACKAGING: THOUSANDS OF WAYS TO REPLACE PLASTIC

Sustainability – as a corporate value, driven by consumer awareness and the need to preserve planetary resources – has become a topical trend for companies in all areas of business, engaged in researching innovative solutions. The food and beverage industry is no exception and has come up with a number of possible solutions aimed at reducing the use of plastic.



a cura di
Elisa Crotti

Sustainability as a business philosophy also embraces the world of packaging, where the great challenge lies in replacing plastics, whose characteristics and properties are difficult to match in other materials. The research laboratories of leading international companies are therefore presenting and perfecting innovative, if not ground-breaking solutions, which have been presented at Anuga FoodTec 2022 in Cologne.

Driven by growing market pressure and consumer awareness, the food and beverage industry is orienting its packaging choices towards renewable raw materials and recyclable materials, leading them to replace





traditional packaging with more contemporary solutions. Many producers are attentively evaluating the possibility to replace plastic, in favour of renewable fibres or alternative materials. It goes without saying that across-the-board solutions do not exist; quite the contrary, each proposal needs to be adapted according to the philosophy “a container for every content”. In this case, more than ever before, personalization is the keyword.

Wherever possible, composite films or plastic trays are being replaced by mono film or cardboard. This requires new generation modular machines, based on intelligent robotics and automation, to process both traditional and new sustainable packaging.

Some solutions are already available on the market and there are companies which, showing a high degree of flexibility, have been able to offer avant-garde solutions, for instance in the ambit of sparkling beverages.



SECTORS

 PACKAGING





ages and beer, where films and plastic rings have been replaced by cardboard alternatives, and these are processed without causing delays in productivity or poorer performances. Then there are the flowpackers which process both conventional composite films, with hot-cold sealing, and recyclable or paper-based films. Here the key challenges consist in maintaining the efficiency levels of the machines, since it is certainly more complex to work with paper-based film: paper is more susceptible to tearing and wrinkling; it is stiffer and requires special attention during processing to prevent stoppages. Furthermore, it is abrasive and may therefore damage the mechanical parts of the machine in the long term. For these reasons, the latest generation flowpackers must be designed to handle such criticalities, perhaps by contemplating more resistant or protected surfaces.

Another aspect of great significance regards the contact with foodstuffs: the more complex and perishable the food, the more difficult it is to find valid alternatives to plastic, which must be researched in the ambit of bioactive materials. In this case, one strategy consists in covering the paper utilized with safe waxes and natural proteins, and with organic-based additives. Some interesting results have emerged: on one hand, the proteins act as a barrier against oxygen, and the waxes against vapour, which prevents such foods as fruit from losing too much moisture. On the other hand, organic-based additives perform an antioxidant and antimicrobial action, which improves the preservation and shelf life of the food product. None of which prevents the paper from being collected and recycled after use.

Since sustainability is based on the 3Rs, Reduce, Reutilize and Recycle, another critical aspect is that of reducing consumption. The various solutions are aimed at reducing the quantity of plastic, whenever it is not possible to identify a substitute. Also in this respect, much has been accomplished: thanks to structural innovation, we have succeeded in using from 15 to 40% less plastic for the packaging of tomatoes, berry fruits and stone fruits. After use, these containers may be collected for recycling, destined to become raw materials for further utilizations.

The principle governing this rising trend is that of the circular economy: the circular economy is a generic term used to define an economy that is designed to be regenerative. It is an economic system planned in such a way as to reutilize materials in subsequent production cycles, to minimize waste. To all effects and purposes, this is one of the keys to sustainability.





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TECHNOLOGY, INNOVATION, INTERACTION

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TECHNOLOGICAL INNOVATION AND
DIGITALISATION IN FOOD & BEVERAGE**



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SUSTAINABILITY IS ESSENTIAL

In 2022, Italy is one of the European countries with the lowest cost of packaging recycling.

This was revealed by a study conducted by Green (Centre for Geography, Resources, Environment, Energy and Networks) of **Bocconi University and by Wuppertal Institut**, recently presented at the European Parliament in Brussels.

Increased sensitivity for environmental protection and the more restrictive measures put in place are affecting both producers and users of packaging. In particular, manufacturers of consumer goods shall offer packaging that is a fully recyclable, biodegradable, made from 100% recycled material or derived from organic sources.

Since 2005, Europe has introduced the obligation for its Member States to establish an extended producer responsibility regime to manage packaging when it becomes waste: those who produce packaging are also responsible for its end of life.

As Smart Packaging Hub we can support to find responses to their most complex questions, concerning eco-sustainability, manufacturing efficiency, configuration flexibility, product safety and quality, traceability, ROI calculation and energy saving.

End-users find in Smart Packaging Hub the highest empathy of six specialized companies (Baumer, Cama, Zacmi, Opem, Clevertex and Tosa) that are able to read and understand their key business needs.

Still many consumers do not know which the best choice to limit their ecological impact is. Hence, one can find pack-



aging on the market that though made with the best intentions, considering its life cycle, damages the environment instead of safeguarding it.

In this respect, the manufacturers of packaging equipment – placed upstream in the supply chain – have gathered a valuable experience in the field of materials, design and packaging recyclability. They know every single detail of packaging processed through their systems and are fully aware of which factors influence sustainability.

This industry – in Italy a globally recognised excellence – besides focusing on energy efficiency and on the envi-



explore the
exclusive
digital platform
for excellent
packaging systems

customization of automated packaging plants. In the Hub, actually, visitors discover how to adapt their machines at best to each future requirement, in terms of components on machine board, as well as machine programming, diagnostics and operations

Triple is thus the support offered in the virtual platform of Smart Packaging Hub. The platform can concretely help end-users of the food & beverage industry, backing them in technological innovation initiatives, digitalization journeys, adoption of Industry 4.0 guidelines and in the global localization of their proposals.

Smart Packaging Hub: a support for technological innovation and digitalization

www.smartpackaginghub.com

ronmental impact of materials in packaging manufacture, shall increasingly consider recyclability at the end of its life cycle.

Every food company, be it a food supplier or a packaging and packing system manufacturer, would get inside consumers' heads in that split second in front of a shelf when selecting a product.

Smart Packaging Hub is the place par excellence where end-users can also benefit from that entire **"Made in Italy"** technological connotation. This connotation means first of all the utmost flexibility in the

SECTORS

✓ PACKAGING



ECO&FOOD: MULTIFUNCTIONAL PACKAGING IN DIRECT FOOD CONTACT REALLY SUSTAINABLE FOR THE ENVIRONMENT

Packaging & Sustainability: what's his Role?

A recent European study commissioned by Pro Carton - the European Association of Carton and Cartonboard Manufacturers - on European consumer packaging perceptions study tells us that packaging has become more than just a container for consumers: it's a recurring opportunity to assess the environmental impact of a brand and it's able to increase the sustainability perception of a product - second only to the production methods aspect of the product itself with almost half of those questioned strongly agreeing that COVID-19 has made us more sensitive to environmental issues.

Packaging stays in the consumer's eye longer than any other marketing tool: often the packaging design communicates the product before its content and creating value and customer trust.

The importance of packaging to the environment is also demonstrated by the fact that six out of 10 Europeans say that the environmental impact of a product's packaging affects their purchasing decisions: almost two thirds say they changed the products they buy because of concerns about packaging.

For this reason, many brands are committing many resources to researching materials and technologies to reduce packaging pollution.

Wrap, carry, cook and Eat food

Thanks to the Know-how on innovative materials and to the study of the market by the R&D Team of LIC Packaging, an innovative corrugated board specific for the direct food contact has been born HT Board, a revolutionary material as nature intended.

HT Board was born from the need and conviction to offer solutions in pure virgin paper not only able to pack food but also to carry, cook and eat food in a single pack.





HT Board®



LIC

PACKAGING

Creating innovation, manufacturing solutions.



SECTORS

✓ PACKAGING

✓ FOOD





5 HT BOARD DIFFERENT HT BOARD QUALITIES FOR CUSTOM SOLUTIONS

Thanks to this unique material and to the experience and industrialization capacity of the production department, today ECO&FOOD business unit of LIC Packaging designs and manufactures custom solutions to meet the customers' needs belonging to different food sectors and their different product characteristics.

ECO&FOOD Team developed 5 different HT Board compositions that allow to increase and improve both the performance of barrier to fats, oils and liquids in general and as non-stick material.

These features combined with the fact that the paper is by its nature breathable, often greatly reduce the moisture during cooking thus optimizing the process and consequently improving the quality.

It therefore results in a better uniformity and a potential reduction of cooking times.

In the various compositions there is also the choice to use the Grass paper as raw material in the HT Board production with the logic to reduce its environmental impact in the world.

The Grass Paper contains up to 40% of grass fibres and to produce 1 TON of raw material there is a Co2 emission reduction of 75% in the atmosphere, energy savings up to 4500Kw/h and water savings up to 5000L because it takes only 2L. Moreover in the grass fibre production no chemicals are used.

Recyclable and Compostable

HT Board is totally recyclable in the paper chain according to Aticelca 501/2019 and received the biodegradability and compostability certification according to EN 13432.

Certified Tests

With a view to selling HT Board packaging especially in the ready meals and take-away sectors which are constantly growing due to the changing customer LIC Packaging has carried out various tests to verify their direct food contact conformity by an accredited laboratory simulating different test conditions in order to assess their correct use and functioning.

The cooking or heating test of food directly inside the HT Board trays were applied to refrigerated and frozen different types of products.

The stress test results were excellent and the trays strength even aesthetically was optimal:

- In traditional oven up to 60' at 220°.
- In microwave oven up to 15 minutes at 900W

Conclusion

Really Eco-Friendly solutions, performing and food certified: with the HT Board material the ECO&FOOD line reached the goal of being the only cardboard packaging able to enhance food, both preserving it during transport and enhancing its cooking and heating.

The FSC certified raw materials combined with the paper knowledge allowed LIC Packaging to develop this winning project.

www.licpackaging.com



BEUMER DELIVERS TEN HIGH-CAPACITY PACKAGING SYSTEMS TO SPANISH OIL COMPANY

Spanish oil company relies on ten high-capacity packaging systems of the BEUMER stretch hood A series for petrochemical pellets

For decades, a Spanish oil company relied on the shrinking method to wrap in film the palletised PE bags filled with petrochemical pellets, but some of the systems were now up to 30 years old. They no longer met the currently required safety standards with regard to both operation and maintenance. Therefore, the company entrusted BEUMER Group with the installation of ten high-capacity packaging systems from the BEUMER stretch hood A series. Within six months, the system provider supplied them to each of the company's plant sites and integrated them into the already existing palletising and packaging lines. The machines meet the high safety requirements and are also energy efficient.

One of the major European players in the petrochemical business is situated in Spain and produces more than six million tons of chemicals per year. Two of its manufacturing facilities are located in Spain, one in Portugal. After production, the petrochemical pellets are filled in big bags, octabins or 25 kilogram PE bags and then delivered to customers.

These bags are palletised and wrapped in film to protect them against environmental impacts and dust. For this purpose, the plants have been using the shrinking method since the 1980s.

"The machines worked reliably, but had already been in operation for 20 to 30 years," describes the purchasing manager. "In the meantime, various problems arose that had nothing to do with the machines, but with the technology", because the heat required for the shrinking method is generated by these machines using gas or electric power. The open flame repeatedly caused small burns on the film. Thus the pellets often melted with the film. The continuous fire hazard implied higher insurance rates and



the aging systems had to be maintained frequently. This was expensive and, due to the gas pipes, dangerous for our service technicians. In addition, the energy consumption of the systems in operation was high, and it became more and more difficult to get spare parts on the market.

"We were searching for an economic and above all safe packaging system that could be maintained easily and efficiently", says the project manager of one of the Spanish plants. The shrink systems that had been in use until then had been supplied decades ago by BEUMER Group, among others.

Therefore this time, the responsible persons also turned to the single-source provider for packaging lines from Beckum. "Our customer was looking for a manufacturer with high quality standard, many years of experience, high reliability and world-wide references", says Plácido Valle Santafosta, sales engineer at BEUMER Group in Barcelona. In the tender process, the system provider was awarded the contract to supply systems for one of the Spanish plants, and in August 2019 to supply further machines for the other plant - a total of ten packaging systems. Both companies quickly agreed on the scope and schedule and the project was ready to begin.

Stretch film - the economical alternative

Stretch hooding should now be used instead of the shrinking method. "This packaging solution does not require the use of heat; this prevents the film from sticking to the product during the process", explains the project manager.



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 PACKAGING

 AUTOMATION

 FOOD

The easy, intuitive and reliable operation of the new BEUMER stretch hood A is especially appealing to customers

er. In order to guarantee protection during transport and load stability, the stretch film adapts to any product that is stacked on the pallet. The film is very stretchable and its contracting forces keep the goods tight together. The development in film production is advancing steadily. Thus, more and more stable stretch films are available on the market, and since these films can also be produced in increasingly thinner layers, this in turn saves material. In the future, stretch films will be increasingly used for this purpose. For reasons of sustainability, these stretch films contain increasing amounts of recycled material and increasingly consist of bioplastics.

Stretch hooding has the ability to package the pallet for high-bay storage systems, with understretch or with different base reinforcements. Thanks to the high transparency of the stretch film, the packed goods are clearly visible. And the barcodes on the bags can be scanned quickly and consistently. Logos and text can also be printed on the film to be used as an advertising medium. A flat film placed on the pallet offers additional protection against external influences on all six sides of the stacked pellets. This ensures that the bags filled with pellets are protected reliably against environmental influences such as sunlight, dirt, and humidity during transshipment and outside storage. "This was very important to the responsible persons since they have to transport the goods safely and in perfect condition to the customers", says Valle Santafosta, sales engineer at

BEUMER. In addition, the stretch film keeps the bags tightly on the pallet, preventing them from slipping.

BEUMER stretch hood: the right machine

The BEUMER stretch hood A is very energy efficient: A film transport system, which is particularly gentle on the material, introduces the previously cut and sealed film hood into the system. On its way to the crimping and stretching unit, the sealing seam on the film hood cools down so that it can be crimped without losing time. This allows for the elimination of energy-consuming cooling and efficiency-reducing cooling times. This way the pallets can be packaged at a high bag sequencing.

In order to facilitate the work for the maintenance personnel and to ensure high system availability, the new packaging system was designed without a platform. Maintenance work, such as changing the blades or the sealing bars, is handled at the floor level. Additional benefits include the compact design and the resulting low height and small footprint. "We have equipped this line with the BEUMER Human Machine Interface, which makes it easy and simple to operate", says Valle Santafosta. "The operators are provided with an easily understandable and intuitive interaction concept, enabling them to define the same efficient working sequences for all machines." Displays help visualise how and where to make the necessary settings. The user can for example call up video sequences that show the changing of the film roll and the film knife. For other set-up work, the operator panel includes graphics and step-by-step instructions.

Rapid project phases

"In winter, we supplied the first two BEUMER stretch hood packaging systems to the Spanish plant, a few weeks later two additional ones", reports Valle Santafosta. Installation took place in autumn. BEUMER Group also delivered two packaging systems to the other Spanish plant in winter and two further ones in August. Some of the systems are equipped with roller conveyors for the pallet transport system.

When being asked what the largest challenge of this project was, Valle Santafosta reflects for a moment. "For one, the short delivery period of only six months. In addition, the period for commissioning is fixed and cannot be extended, otherwise operation would be stopped for too long." Furthermore, the machines have to be integrated in the existing packaging lines. This involves combining the latest safety standards of the BEUMER stretch hood with the safety levels of the existing systems. But we have a lot of experience in this," emphasizes Valle Santafosta. "We solve this with separate safety circuits."

www.beumer.com



Plácido José Valle Santafosta, BEUMER Group: "Our customer was searching for a manufacturer with high quality standard, many years of experience, high reliability and world-wide references."

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.





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





**Real beauty starts
from selfcare!**



**COSMETIC PRODUCTION
CANOSA DI PUGLIA (BT)**

follow us



www.stellamariscosmetica.com

NON-STOP TECHNICAL EVOLUTION THAT BENEFITS OUR USERS

Our users renew their trust in us daily as we continue on our path of research and development, also, but not only, in order to satisfy their increasingly specific demands and rise to challenges in which the bar is constantly being raised.

Our systems, always tailor made, can now rely not only on thirty years of proven technology, but also on innovative solutions that we've identified as essential to taking action on increasingly relevant issues such as the *sustainability, ecology, and versatility* of the machinable formats produced by every single one of them.

Some major global companies have encouraged us to reflect upon the possibility of developing an ultrasonic welding system for our flow pack and pillow pack packaging machines.

Today we can confirm, after much study and application, that the performance which can be achieved is incredibly attractive from various points of view, including speed, regularity, airtightness of the weld, variety of machinable films (including ecological ones), and consequent versatility, none of which can be obtained through classic thermal welding systems.





Tecno Pack
PACKAGING MACHINES



SECTORS

 PACKAGING

 FILM

 ULTRASONIC



Ultrasonic technology paired with our well-established long-welding systems (box motion, long dwell) also allow us to offer our users automatic and less physically cumbersome solutions due to a reduced need for accumulation areas, resulting in smaller, yet equally high performance, systems.

When it comes to secondary packaging, we've also been busy developing wrap around technology, an area in which we have many active references with prominent national and international clients.

Our wrap around packaging machines offer the pinnacle of performance in terms of versatility, longevity, and total

automation, making them essential to projects in which a box contains multiple and delicate primary packages which are difficult to overlap.

This is all made possible thanks to our clients, who continuously present us with more difficult and ambitious projects which they then promote with renewed confidence. This relationship is the primary engine of our ongoing technological evolution, allowing us to position ourselves not only as a mere supplier of machinery, but also as a serious, reliable, and competent partner to whom a company can entrust the packaging of its products.

www.tecnopackspa.it

OUR STAINLESS STEEL JEWELLERY

IP 65

stainless steel packaging line

FP 021

stainless steel horizontal wrapper

FV 025

multi axis vertical wrapper

FP 027

wrapping machine for cheese

FP 025 PBA

stainless steel version

FP 025BB

stainless steel version

FP 095 AISI

stainless steel wash down long dwell

Tecno Pack

PACKAGING MACHINES

MONDI: NEW SPECIALITY KRAFT PAPER MACHINE

Mondi, a global leader in packaging and paper, has started up its new speciality kraft paper machine at its Štětí mill in the Czech Republic. The €67 million investment in the machine makes it Europe's first dedicated paper machine for speciality kraft paper grades made out of fresh and recycled fibre for retail and online shopping bags.

The paper machine will produce up to 130,000 tonnes of speciality kraft paper per year, meaning Mondi will have the largest product portfolio for consumer shopping bags in Europe. This includes white and brown virgin grades and now recycled paper grades that can be used in a range of bag applications from fashion stores to online grocery platforms and home deliveries. The EcoVantage two-ply paper produced on the new machine consists of recycled and sustainably sourced fresh fibres and is 100% recyclable.

The European speciality kraft paper market is expected to grow strongly driven by legislation to eliminate waste caused by plastic shopping bags and consumer preference to move away from single use plastic.

Kalle Taari, Head of Strategy & Product Management Kraft Paper, Mondi, says: "We want to offer converters and brand owners sustainable, 100% recyclable paper-based products for their retail and online shopping packaging. The papers produced on this machine will offer recycled fibre-based products with a natural look, great printability and strength properties, all pre-requisites for consumer shopping bags. We are excited to be rolling out several options from our EcoVantage range throughout 2021."

www.mondigroup.com



- **Mondi's new paper machine at its Czech mill in Štětí is dedicated to producing 100% recyclable speciality kraft paper for shopping bags using a combination of fresh and recycled fibres to prioritise sustainability without compromising on strength**
- **The €67 million investment responds to growing consumer preference and legislative change to reduce plastic waste and demonstrates the company's commitment to supporting the circular economy**
- **This new paper machine for shopping bags broadens Mondi's leading portfolio, placing the group at the forefront of European kraft paper production**



Shaping the future of **ECO-PACKAGING**



www.universalpack.it

Some **eco-laminates** our machines can package:

- **PP** - Polypropylene
- **PLA** - Polylactic acid
- **PAP** - Paper
- **BIO-PE** - Bio-based polyethylene
- And many more...



APPLICATIONS

- ✓ Powders
- ✓ Liquids
- ✓ Tablets
- ✓ Granules



#ROADTOCARBONZERO

PROSYSTEM - SINCE 1991 TAILOR-MADE PACKAGING TECHNOLOGIES

High technology meets the attention to detail of Made in Italy

Since 1991, ProSystem has been one of the market leaders in the production of single machines and complete lines for packaging, palletizing, wrapping and depalletizing.

Quality, efficiency, functionality, respect for human resources and the environment: these are the values that guide our company today and for the future.

But the heart of ProSystem's experience is in technology: each machine is designed and built according to the specific needs of the customer, to offer efficiency and maximum economy at a delicate stage of the product's life. Emblematic is the COMPAL series, the monoblock of packaging and palletizing that have also conquered Australia.

It is a tailor-made approach that has made the company famous all over the world, bringing the excellence of Made in Italy in the automation sector.

The company is operating in various fields of application, from the food sector, home care, personal care, chemical, to petrochemical, paints and solvents.

Each project is faced as a challenge, in which the difference is the skills and the team's harmony.

The stages of a service of excellence

The company's know-how is made possible by a method that accompanies the customer at every stage, from feasibility analysis to design, from implementation to after-sales assistance. It is a turnkey service, increasingly appreciated by customers who are looking for a unique contact person to rely on.



casing machine

After-sales and technical assistance is just one of many things we take pride in, with a service of spare parts in just 24/48 hours, able to ensure the fast recovery even in case of breakdowns, with a team ready to leave for every corner of the world - the location of the office next to the airport Catullo in Verona is strategic.

The redesign also plays a key role: the dedicated design team is able to revisit the lines to meet every need - including new formats, production speeds and extensions

A family history

Founded by Renzo Brizzi, ProSystem is the story of a family business, where skills and passion are handed down from generation to generation. Today Renzo's daughter, Jessica





company plant

Brizzi, supports her father in the management of the company, with the role of Sales and Marketing Manager of Prosystem.

The company today

With the new frontiers of packaging - increasingly sustainable and based on lot - the company is making numerous investments to make the machines increasingly efficient in consumption and open to innovation.

ProSystem can be your partner! 

www.prosystem-packaging.com



mechanic and electronic dep

SECTORS

-  FOOD
-  COSMETIC
-  PHARMACEUTICAL
-  CHEMICAL
-  PAINTS AND SOLVENTS



ALL4PACK EMBALLAGE PARIS REINVENTS ITSELF !

As the reference and indispensable end-of-year trade event (from 21 to 24 November 2022 - Paris Nord Villepinte, France), ALL4PACK Emballage Paris has today positioned itself as the leading international exhibition for all sustainable packaging and intralogistics solutions, covering the entire production line, including machines. It aims to be a source of inspiration to support all the players in the sector in the face of current and future challenges, by decoding regulations and highlighting the most responsible innovations.

1,300 exhibitors are expected, including approximately 50% from outside France. In fact, 86% of the stand space is already booked. Many leading firms, such as: ATLANTA STRETCH, AUER, BFR SYSTEMS, DOMINO, FILPACK, FRANPACK, FROMM, G.MONDINI, GETRA, GOGLIO, ISHIDA, KRONES, MARCHESINI, MARKEM-IMAJE, MOM, NEWTEC BAG PALLETIZING, ROBOPAC, SEW, SHOELLER ALLIBERT, SIDEL, SONCINI, TOSA, ULMA, UNISTA... have confirmed their attendance.

ALL4PACK Emballage Paris will be held in Hall 4 and 5A of the Paris Nord Villepinte Exhibition Centre.

This new location, which is more compact will enable a better distribution of the show's sectors : Printing, Logistics, Packaging and Processing.

66,000 visitors (including 35% from outside France) are expected and in addition to this comprehensive offer, will be able to find out answers to their industry's challenges throughout a wide program of events and conferences.

Resolutely turned towards future solutions and innovation, this new edition of ALL4PACK Emballage Paris will offer a rich content:

- ALL4PACK INNOVATIONS will showcase the 2022 Awards winners

all4pack
EMBALLAGE PARIS

PACKAGING PROCESSING PRINTING LOGISTICS

21-24 NOV 2022

PARIS NORD VILLEPINTÉ - FRANCE



- The Objective Zero Impact area will highlight innovative solutions
- The Conferences area with a rich and complete program animated by French and international speakers

This is an opportunity for you to share with your peers on your challenges, but especially to find solutions for the future!

www.all4pack.com



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PARIS NORD
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21-24 NOV
2022



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EMBALLAGE PARIS

PACKAGING PROCESSING PRINTING LOGISTICS



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ANICO'S PACKAGING PRODUCTION

Edoardo Donati, Anico's General Manager for more than twenty years, explains here below the process and stages of packaging production.

What do your clients ask you for?
"Sustainability and green", every business deal starts from these words.

Those who do not take care of this will never be our customers and will continue to pack in film. But "no problem. There is room for everyone".

We have been making paper packaging for 33 years and in the past we were even demonized "do you remember the wars against the use of paper and the problem of deforestation?"

Nowadays instead, everyone has realized that everything which is made of paper is beautiful because it is recyclable and sustainable: we have been saying this for ages and finally the facts support us.

How do you produce the packaging and for which types of products?

For us at Anico, the starting points are the customer's request and need.

It is important to create a synergy between food producer and packaging manufacturer.

"We create packaging for famous brands of coffee, pasta, biscuits, bakery, pet food, caster and icing sugar, yeast, spices and pizza bases. We also make packaging for frozen food. Therefore, it is obvious that each type of product must have the most suitable packaging for perfect preservation over time and storage".

Is packaging production a teamwork?

The origin of a new packaging can start with:

- a first contact with our sales managers
- strong sales relationships
- long-standing and established practices with customers.



In particular, Edoardo continues:

"The new customer, after setting out his specific requirements, sends the chosen artwork to our technical department, which verifies the characteristics, optimization and feasibility.

We can propose the most suitable and customized solutions for the realization of the artwork, for the choice of packaging shape (reels, square-bottom bags or doypacks) and ecological and recyclable materials, because we are specialists in flexo printing on 100% Eco paper".

"We have developed the company with major investments in Industry 4.0," says Edoardo, but he continues, "in the packaging production phase, our highly qualified personnel is the primary resource.

What are the production steps?

The most complicated part "occurs when we have to set the parameters for a new project but, thanks to our technical department and the know-how of our sales team, we are now



able to really make any type of paper packaging: please note that we have been dealing with paper for 33 years, so for us paper packaging is not the temporary novelty to be followed in an ecological point of view, but it stands like a must and we know everything about it!"

"Once it has been defined how the packaging should be designed, its shape and the materials to be used, the packaging production steps are actually quite simple".

Production of special packaging

According to us, it is essential the relationship with the customer and the evaluation with him of the best way to package his product and "dress" the packaging with the most effective and attractive artwork.

If he has to supply his private label product to the large-scale retail trade (GDO), we will be able to respond with our packaging to the characteristics required by the GDO chains.

"In our continuous research for product innovation and in order to meet the many customer demands, we have also created 100% paper bags, perfectly sealed.

The novelty of this second half of the year is the packaging for frozen food. Our studies and researches have also enabled us to replace aluminum with paper for the lids of cups containing

yoghurt or similar liquid foods.

Ours is not a job, ours is a mission, a small contribution to save the planet".

The sensitivity for green items is increasing at all levels, even in pet food, where we are already offering the right solutions, and our little friends thank us!"

www.anico.it

SECTORS

 **PACKAGING**

 **FLEXOGRAPHIC
PRINTING**



AIRLESS COSMETICS

The airless bottle is a solution that completely isolates cosmetics from the air, to ensure better preservation and performance. A breath-taking modern technology.

Plastic bottles for cosmetics have been on the market for some decades now, and their application is growing constantly. They are so practical, safe, and versatile that they come in an infinite variety of formats, colours, and standards – we see them on store shelves all over the world, from large-scale distribution to ultra-luxurious showrooms – and they have met with great success, with numerous operators of the packaging industry investing in research and development.

One interesting result deriving from their considerable efforts is the “**airless**” **dispenser**, an alternative way to contain and preserve cosmetics.

An airless technology

From the outside there isn't a great deal of difference between a normal bottle and an airless one, apart from the fact that the latter normally and almost always dispenses at the top through a suitable pump sprayer for the content. Inside, however, **the technology is completely different.**

In fact, the airless bottle uses a **non-pressurized mechanism, consisting of a pump and a double-chamber container**, separated by an internal piston, thanks to which the product never comes into contact with the air or, consequently, with the external environment.

Basically, if we were able to have a peep inside the dispenser, we would see that whenever the pump sprayer is pressed down, a piston rises and forces the product upwards, causing it to dispense. In this way, **the bottle “pushes” its contents out**, without any intake of air.

Used for cosmetics, but also for pharmaceutical, herbalist and food products even, this packaging has just one limit: **the nature of the product it contains must be creamy, semi-fluid or slightly viscous.**

Cosmetics designed to be admired

Thanks to social media, today's consumers assess cosmetics using the most powerful of the five human senses: sight. For this reason, airless bottles would



by **Elisa Crotti**





seem to play a vital role. Quite so, because the product dispensing moment focuses the consumer's attention on texture and its various nuances, to the advantage of the most original choices. Such as the **pleasant surprise of textures that are crystalline, or delicately pink, with pearlescent streaks or a sorbet effect**, in pastel shades or, conversely, in saturated colours. This is one way to enable a perception of the intense rheological research carried out by laboratories.

Safety

However, airless is not only an aesthetic option. Airless dispensers offer numerous essential advantages for the product and its application, making it a mindful choice.

In the first place, the airless dispenser **completely isolates the product from the air**, and therefore guarantees its perfect preservation. In fact, the absence of contamination enables the percentage of preservatives to be reduced to a minimum (literature reports **a reduction of up to 4 times compared to traditionally packed cosmetics**), since they are no longer necessary. In practical terms, **the container has an impact on the formula it contains**.

Hygiene deserves a chapter apart: as well as having no contact with air, neither does the product come into contact with the fingers and skin of those who use it, apart from when it is applied, which, also in this case, prevents any form of contamination.

The right amount dispensed, without waste

We know that in the case of dermocosmetics, cosmeceuticals and pharmaceuticals, **precision – in terms of the quantity dispensed** – is an essential factor. And airless dispensers have a role to play in this game too. By enabling a precise amount of product to be dosed, predetermined by the formulator who knows its characteristics and nature, it guarantees an optimal and most efficacious use of the contents. Let's consider, for example, a very active and concentrated eye serum, for which – literally – a couple of drops are sufficient to guarantee its action and efficacy. It is difficult to dose such a small amount using your fingers; hence the airless, perfectly calibrated dispenser comes to our aid: press once and the product is ready for use.

This also translates into a **reduction of waste**, even more efficacious because **no trace of the product will remain on the neck** of the bottle or surrounds of the tube (since it is pushed by the pump) and used completely. In this respect, the airless dispenser can also be considered an ecological choice.

A final note regards the dispenser pump, which may assume different shapes associated with its specific use: rounded for massaging the product on the area to be treated, without even having to handle it, blunted to help smooth it out or elongated to apply the product in the groove of a wrinkle.

What can we add? A little big innovation for what would seem to be a simple accessory of cosmetic products. This is exactly the appeal of packaging: its ability to "dress" the product is only the start of the story, the rest still has to be written.



SECTORS

 COSMETIC

latest news



As a principal designer and manufacturer of automatic processing and packaging equipment, we have gathered our major strengths to create a cluster of companies with a view to accompanying key players in the chocolate and confectionery sector towards new goals and better business.

Presenting ourselves as a unique source for this sector, we can count on a solid background and a number of assets. Firstly, our **widespread presence in international markets** and a **track record of pioneering innovations** in the field of packaging across several industries. Secondly, in-depth **knowledge of all steps in the process** going from raw material processing to end-of-line packaging. Each of the companies in this new cluster contributes with a **specific expertise, experience and knowledge of market trends**, all of which is merged synergically into a single-provider concept.

The wealth of our experience at your service

Countless solutions are available from our cluster of specialist companies, starting with divisions that are the backbone of the IMA Group. Processing technologies are accounted for by **IMA ACTIVE** based on our experience in mixing, granulation, tableting and coating. Thanks to a dedicated laboratory both in Italy and in the USA, customers benefit from expertise and support to test, develop and op-





IMA announces a cluster of specialised companies to act as a single provider in support of the Choco & Confectionery industry



e Most

SECTORS

✓ PACKAGING

✓ FOOD





timise products and processes. **IMA GIMA** contributes with experience in primary packaging, providing solutions for gum, soft, chewy and hard candy and jellies. These include wallets, cartons, tins, jars and bottles; stand-up cartons also for chocolate and nougat. Furthermore, the division's engineers also design the packaging lines starting from the package itself in order to supply a tailor-made solution. With experience stretching back over decades, **IMA SAFE** specialises in blister packaging, counting and cartoning for gums and candies. Already part of **IMA FLX**, our flexible packaging hub, where we develop the most advanced technologies for flexible packaging and research eco-compatible solutions, companies such as **IMA ILAPAK**, **IMA DELTA SYSTEMS** (USA), **IMA EUROSICMA**, **IMA TECMAR** (Argentina) all contribute to making the new cluster of Confectionery specialists a one-stop answer for packaging excellence.

They account for Vertical and Horizontal Form Fill & Seal machines for any type of confectionery product, including lollipops, marshmallows, choco tablets and bars as well as those listed above. Packaging varies from Doypacks to block bottom and quad seal bags, and pillow bags. Secondary packaging or end-of-line solutions come in the form of overwrapping, stretch and shrink wrapping, top and side-loading cartoners for display boxes, wrap-around tray packers, multipurpose cartoners, side-loading, top-loading and wrap-around case packers, and palletizers. These are developed by **IMA GIMA**, **IMA CIEMME** and **IMA BFB**.

IMA Zero: the Corporate sustainable development project

Born in 2019, IMA ZERO is the foundation of the Group's sustainable development program. It has the ultimate goal of **minimizing environmental impact in industrial manufacturing** and of promoting and creating a working and living habitat that always puts people at the centre.

IMA ZERO is composed of 4 programs: NoP (No-Plastic Program), LOW (Low Impact Program), E-MOB (Sustainable Mobility Program), and YOU (Human-Centric Program).

In particular, with the **IMA NoP** Program, the Group promotes **eco-friendly plastic substitutes for the packages** manufactured on its machines.

Through the IMA NoP Project, the machines are developed to be easily configured and equipped to properly run new generation sustainable and innovative materials such as paper-based, compostable, biodegradable or ultra-thin films and get same performance of "non-green" packaging.

Within the IMA NoP Program, IMA has established the **OpenLab**, a network of technological laboratories and testing area in four IMA plants in Europe and – from this year – also in the US.



In the labs, **Material Specialists** carry on researches on sustainable packaging materials, glues, inks, technologies, and production optimization processes. Thanks to the fact that the labs are physically inside the production facilities, we can perform **materials or glue machinability**

tests directly on the machines present on the shop floor.

This is just a part of our consultancy service, whose aim is to devise **integrated processing and packaging lines** to enhance the quality and efficiency of your production.

Make the Most in the choco & confectionery market - our special online platform

Register at the link below and enjoy our on-demand video-interviews on our solutions for all stages of your process.

www.ima.it



REDUCE THE CARBON FOOTPRINT OF YOUR PACKAGING AND IMPROVE RECYCLABILITY WITH BOPP FILMS

Innovia Films is focused on producing new BOPP flexible films that aid the reduction of the carbon footprint of packaging, while providing technical performance, simplifying structures, and maintaining full recyclability.

At Fachpack, Innovia will be presenting examples of their solutions to:

- Reduce the use of fossil resources
- Extend shelf-life – less food waste
- Simplify pack structures
- Facilitate material substitution
- Contain post-consumer recycled waste
- Maintain food contact compliance
- Floatable shrink film that aids recyclability
- High yield IML films perfect for polyolefin mono-material containers

Stephen Langstaff, Business Development Manager, Packaging at Innovia Films highlights “Last year’s COP26 summit reminded us of the importance of reducing our carbon footprint. Food production is a major contributor to global warming and resource efficient packaging plays a vital role in reducing the carbon impact by reducing waste and extending shelf life.



The carbon footprint of packaging is usually comparatively small when compared to the product it is wrapping. This is one of the big advantages of flexible packaging. Due to its light weight, it is far more resource efficient than cans, bottles, tubs, or trays”.

The misconception that flexible packaging cannot be recycled is leading some to poor environmental choices, fortunately, things are changing.

Langstaff adds “Our recent labelling product launches have been highly focused on enhancing the recyclability of polyolefin containers and PET bottles meeting the Plastic Recyclers Europe packaging design recommendations while supporting the ‘Design for Recycling’ initiative”.

Come to **Stand 7-115 in Hall 7** to discuss your current packaging and labelling challenges.

www.innoviafilms.com



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THE **PUMA** MANIFESTO

working together to the end of packaging as
an environmental issue worldwide





THE PUMA MANIFESTO

WHAT IS PUMA?

PUMA is the collective effort of the packaging business community to end packaging as an environmental issue worldwide.

WHAT IS PACKAGING?

Packaging is the activity of temporarily integrating an external function and a product to enable the use of the product.



Waste essentially is an unwanted by-product of a (manufacturing) process



WHAT IS NVC?

NVC Netherlands Packaging Centre was established in 1953 to stimulate the knowledge and expertise in packaging. Since then, we have grown into an association with over 500 member companies in the Netherlands and abroad. The packing-filling (FMCG) industry, packaging manufacturers, retailers, manufacturers of packaging machines, wholesalers, recyclers, designers, even a number of financial institutions: they all are members of the large and vital NVC business family. The NVC membership, innovation projects (like PUMA), information services and education programme stimulate the continuous improvement of packaging worldwide.

WHEN IS PACKAGING AN ENVIRONMENTAL ISSUE?

Environmental issues are harmful effects of human activity on the biophysical environment. Waste essentially is an unwanted by-product of a (manufacturing) process. The activity of packaging creates environmental issues when the resources involved, either wanted or unwanted ('waste'), constitute an environmental issue.



Environmental (planetary) problems caused by us, People, can – and will – also be solved by us, People



WHY DO WE HAVE TO ACT NOW?

Packaging has been with mankind already since ancient times in some moderate form, but the 20th century has brought a dramatic acceleration. The world 'does it' now at least 320,000 times per second and this is causing substantial environmental concerns. Packaging will only keep it's societal licence to operate if these concerns are properly addressed.

ABOUT THE MANIFESTO

This Manifesto outlines the way forward to end packaging as an environmental issue worldwide. It consists of the PUMA Model to describe the essentials of the packaging activity and its relation with the resources involved. A conceptual roadmap is presented to be applied by every individual actor and the world packaging community as a whole in a self-organising manner. Key elements are open-minded sharing of reliable information, continuous knowledge development and truly holistic innovation. Environmental planetary problems caused by us, People can – and will - also be solved by us, People.



Packaging will only keep it's societal licence to operate if the environmental concerns are properly addressed



THE PUMA MODEL

THE VOCABULARY

First, PUMA defines the activity of packaging: temporarily integrating an external function and a product to enable the use of the product. There is no Law prescribing that we must do it (packaging). For instance in recorded music, streaming services like Spotify show that we can live without. If we decide to engage in the activity of packaging, the pack-use-empty (verb) spiral P-U-E is a consequence. This results in emptied packs later in time and at a different location. Waste is defined as an un-wanted effect of a (human) activity. Consequently a collect-control step must be built-in, followed by a postulated backend (BE) process step. Mirror-wise, a frontend (FE) step is required to obtain the necessary packaging materials. Philosophically and thermodynamically and in terms of information science, the situation at the backend is fundamentally different from that at the frontend. Both processes may be described in terms of converting, though.

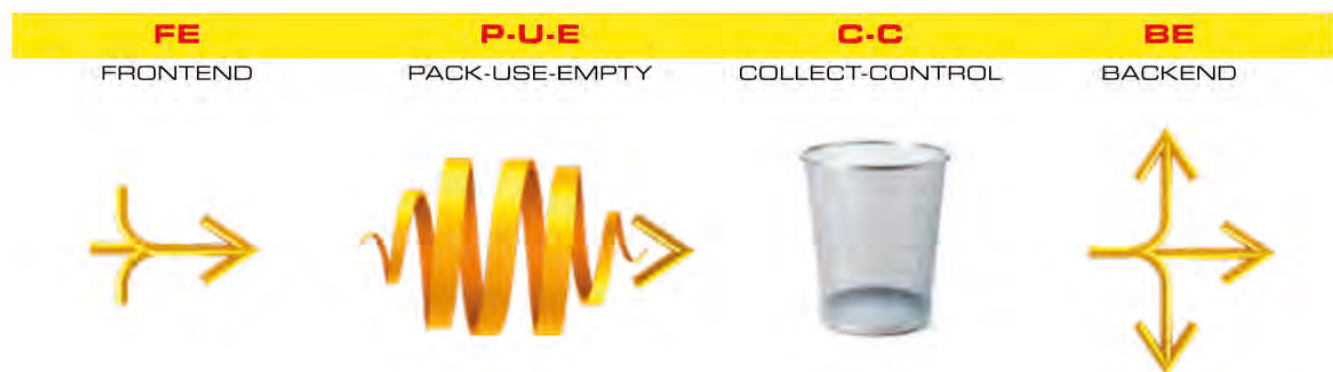


Holistic innovation is needed as we are all interconnected in packaging



ADDRESSING THE ENVIRONMENTAL ISSUES

Environmental issues may come and go, depending on the many different interactions between our human activity and planet earth. Whereas the PUMA model remains unchanged, its application to environmental issues may vary in the course of time. In this first edition of the PUMA Manifesto we focus on litter, CO₂, and (inadequate) pack optimisation. These three issues are deemed to be the most important in the current environmental packaging debate. The resulting table serves as the basis for addressing (future) environmental issues adequately.



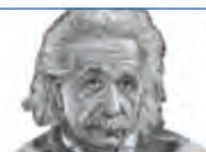
	FE	P-U-E	C-C	BE
Litter			✓	
CO ₂	✓			✓
Inadequate pack optimisation Product Packaging material + Total environmental impact				
Future issues	✓	✓	✓	✓



SUPPORTING PUMA



Success comes from deeper understanding and supplementing earlier insights



I SUPPORT THE PUMA MANIFESTO AND HEREBY PLEDGE TO:

- ✓ Reference the PUMA Model as an insightful source to address the activity of packaging worldwide
- ✓ Apply the vocabulary as used in the PUMA Model and positively contribute to possible improvements
- ✓ Contribute to the PUMA annual plenary meetings to the best of my capabilities
- ✓ Make my decisions and base my opinions on the state-of-the-art in packaging (i.e. on reliable, verifiable and up-to-date information) and using all information and knowledge that is brought to my attention
- ✓ Stimulate continuous education and training of those with a responsibility within the activity of packaging
- ✓ Contribute to helping facilitate all phases of PUMA (FE, P-U-E, C-C, BE)



*Everything flows and so does the activity of packaging;
we can put a clock back, but not the time*



MY DETAILS:

Company name

Initials and surname

Date of birth

Address

Phone

E-mail

For an overview of recent references and background information worldwide please visit www.nvc.nl/puma



NVC NETHERLANDS PACKAGING CENTRE

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LESSEBO KASKAD NOW AVAILABLE IN SOUTH KOREA VIA DOOSUNG PAPER

Lessebo Paper announces today the launch of Lessebo Kaskad at Doosung Paper, which makes one of the most environmentally friendly, high quality coloured paper ranges available to customers in South Korea. Lessebo Paper has been producing paper since 1693, making it one of the oldest paper manufacturers in Sweden. The company focuses on sustainable and innovative graphic paper in the premium segment.

Lessebo Kaskad is an environmentally friendly paper manufactured in Sweden from chlorine free pulp (TCF).

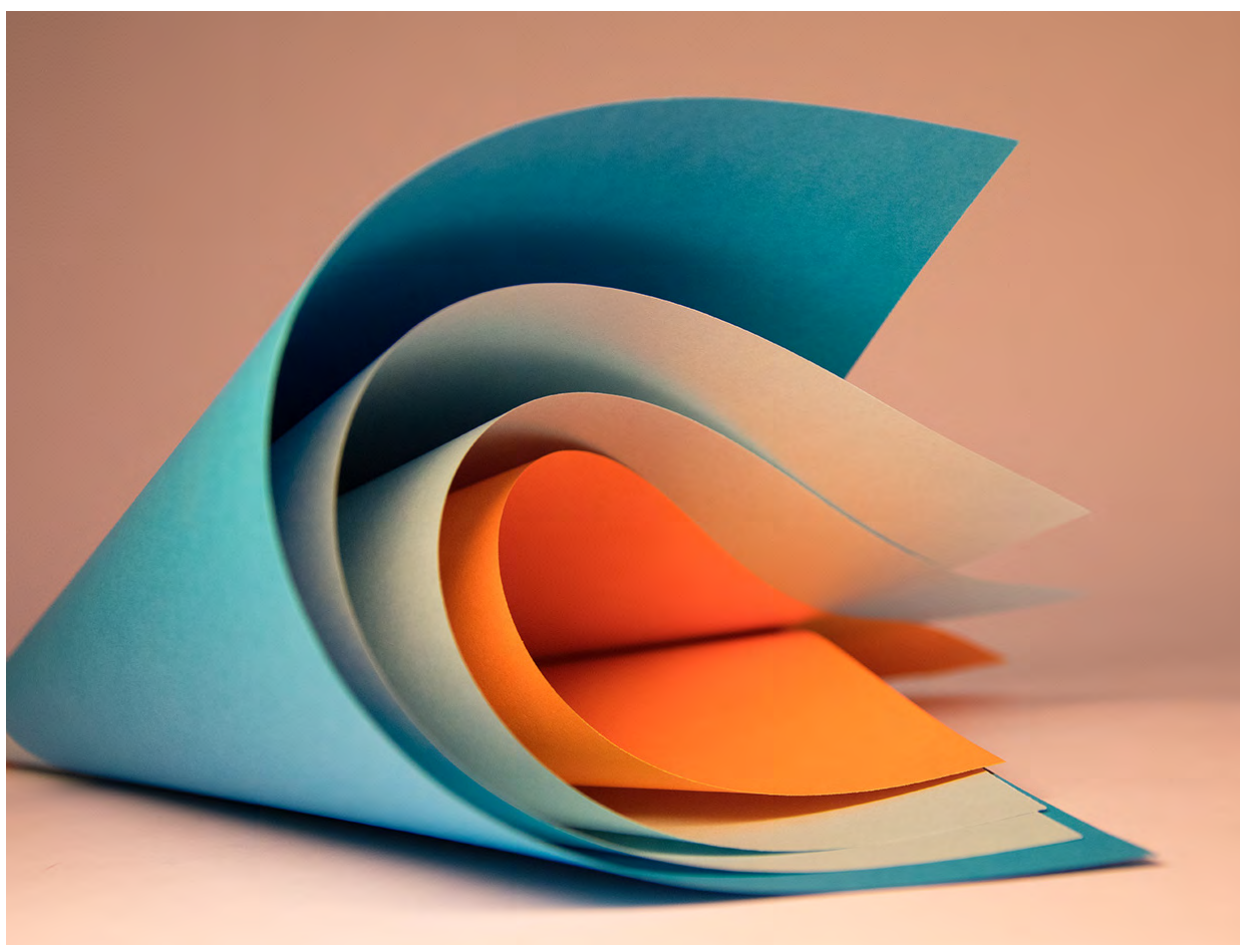
The quality is acid free, has a matt, non-reflective surface and is resistant to ageing in accordance with ISO 9706. Lessebo Kaskad is already available in a large number of countries and is a very popular quality to use for luxury packaging applications – such as liner

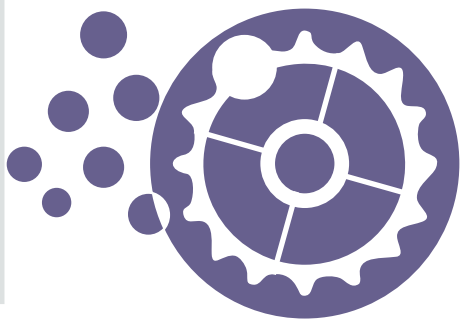
for boxes and quality paper bags – but also for books and other creative printing matter.

Doosung Paper is a South Korean paper merchant established in 1982 that today is represented at 6 locations across the country. The company has several paper stores across South Korea and their Doosung Paper Gallery and design education center are cultural spaces for designers and artists, which perfectly complements their offer to the market.

“We are proud to be working together with Doosung Paper, serving the South Korean market with Lessebo Kaskad and our other high quality, environmentally friendly papers of Lessebo Paper,” states John Tucker, Sales Manager at Lessebo Paper in North and South America, Asia and South Africa.

lessebopaper.com





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**BEER &
FOOD**
ATTRACTION

POLYRETWIN, THE PACKAGING REVOLUTION IN THE PHARMACEUTICAL AND FOOD INDUSTRY

Andolfi & C. meets the needs of the pharmaceutical and food market thanks to the benefits of the ecological, recyclable and resistant Polyretwin laminated film, to be used on automated packaging machines.

In this complicated moment, the pharmaceutical and food sectors are paying increasing attention to the population's safety, hygiene and health. For this reason, they are looking for safer packaging with no risk of bacterial contamination and that can guarantee the perfect integrity of the product. The packaging has to be extremely resistant to contact and perforation and, above all, it has to have a little environmental impact.



Andolfi & C. was founded in 1961 and was one of the first companies in the Marche region to begin the transformation of polyethylene with particular attention to environmental sustainability.

This care has laid the foundations of the position it currently occupies in the flexible packaging sector. Production flexibility and specialised workforce allow the company to meet the different needs of their customers globally.



POLYRETWIN



Andolfi has the answer to the demands of the pharmaceutical and food industries with 100% recyclable packaging films (as well as compostable and biodegradable films from renewable sources) offering cutting-edge technological solutions. Polyretwin is an eco-friendly recyclable laminated film that is much more resistant than polypaint with PP and PET, used on automatic packaging machines.

Polyretwin ensures better production performance in terms of sealability and packaging speed as well as a significant cost reduction of the film per linear metre. Moreover, the film can be completely neutral or customised with the company's graphics.

Andolfi's production line is equipped with modern co-extrusion systems with automatic control allowing the use of all materials in the converting sector with excellent results.

Polyretwin is the revolution in the pharmaceutical and food industry that can finally meet the demands of today's market thanks to its many advantages.

www.andolfi.it



SECTORS

✓ FOOD

✓ PHARMACEUTICAL

✓ COSMETIC



GREINER PACKAGING DEVELOPS SUSTAINABLE CARDBOARD-PLASTIC PACKAGING

FOR NEW SOMAT EXCELLENCE 4IN1 DISHWASHER CAPS FROM HENKEL



As a manufacturer of sustainable plastic packaging, Greiner Packaging is constantly in the business of responding to new product types and requirements. One recent example is the new Somat Excellence 4in1 dishwasher caps from Henkel. These use a unique technology that combines powder and three solid gel chambers, which consumers will only have seen from laundry detergent products to date. The caps are securely packaged in cardboard-plastic combinations and an innovative lid solution from Greiner Packaging.

Brand owner Henkel is now using the sustainable cardboard-plastic tubs from Greiner Packaging, which contain 50 percent postconsumer recycled PP from end consumer households, in a new, innovative product for the Somat brand. The tubs previously received the World Star Award 2021 in recognition of the packaging for Persil 4in1

Discs, another Henkel product. This is a great example of how Greiner Packaging and Henkel continue to develop together based on a close, ongoing relationship – including making their packaging solutions more sustainable. “Our longstanding customer Henkel was looking for an innovative, end-to-end packaging solution for the new

SECTORS

 **PACKAGING**

Somat Excellence 4in1 caps, which are dishwasher detergent capsules containing both powder and three solid gel chambers. An effective seal to prevent moisture from getting into the packaging was especially important, and Greiner Packaging delivered an ideal solution by providing both the tub and lid,” says Andreas Auinger, global senior customer projects manager at Greiner Packaging. “The main challenge in developing this packaging was the product inside, as the 4in1 caps are extremely sensitive to moisture. So the key requirement for the packaging was to ensure a perfect seal during both transport and storage,” Auinger adds.

Tub made from recyclable material for positive environmental impact

Thanks to its innovative, patented tear-off system, the cardboard wrap and the plastic tub can be easily separated and recycled. Because the two components can be separately added to their respective recycling loops, the consumer benefits from a highly recyclable packaging solution. The wrap is made of cardboard consisting of nearly 100 percent recycled material. Greiner Packaging uses a two-stage process for the plastic tub itself: The inside of the plastic tub is made from white virgin material, which guarantees an optimal color contrast with the colorful 4in1 caps. The packaging’s outer coating, meanwhile, contains 50 percent r-PP obtained from end consumer households. This layer’s gray color has no impact on the packaging’s look, because it comes wrapped in an attractively printed cardboard sleeve.

Innovative lid for impenetrable seal

Greiner Packaging also supplies the lids for Henkel’s new packaging for Somat Excellence 4in1 caps. The team developed a special concept for Henkel, featuring a sealing film that is built into the lid to provide an outstanding seal. Plus, the opening of the tub is calibrated ahead of time so that it fits with absolute precision – and the lid and tub fit together perfectly.

These two special characteristics of the lid guarantee the best protection for the caps along with a top-class seal to prevent moisture from getting in.

“The new packaging for the Somat Excellence 4in1 dishwasher caps stands out not only thanks to its sustainable properties and premium shelf appeal but also because of its high degree of technical functionality. Based on our experiences with other similarly designed packaging solutions, we already know that this type of smart, sustainable packaging from our partner Greiner Packaging is a big hit with consumers. Besides the new innovative Somat Excellence 4in1 caps, we also use the same packaging principle for the Somat Gold dishwasher tablets,” notes Carsten Bertram, senior manager for international dishwashing packaging development at Henkel.

Logistical excellence with K3®

Cardboard-plastic combinations also impress when it comes to logistics in the form of K3®-F packaging solutions. These lids, plastic tubs, and folded cardboard wraps are delivered separately to Henkel. Greiner Packaging’s longstanding joint venture partner, Cardbox Packaging, supplies the wraps, which are then folded and slipped over the tub directly before filling at the company. This ensures a high degree of flexibility in production and keeps stocks to a minimum.

www.greiner-gpi.com

About Greiner Packaging

Greiner Packaging is a leading European manufacturer of plastic packaging in the food and nonfood sectors. The company has enjoyed a reputation for outstanding solutions expertise in the fields of development, design, production, and decoration for more than 60 years. Greiner Packaging responds to the challenges of the market with two business units: Packaging and Assistec. While the Packaging unit focuses on innovative packaging solutions, the Assistec unit is dedicated to producing custom-made technical parts. Greiner Packaging employs a workforce of around 4,900 at more than 30 locations in 19 countries around the world. In 2020, the company generated annual sales revenues of EUR 692 million (including joint ventures), which represents more than 35% of Greiner’s total sales. For more information please visit: www.greiner-gpi.com/en

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2020, Henkel reported sales of around 19 billion euros and adjusted operating profit of around 2.6 billion euros. Henkel employs around 53,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose to create sustainable value, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel’s preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com



“ CHEMICAL-PHARMACEUTICAL PACKAGING IS THE NEW NORMAL ”

In a changing world, with unexpected roads having opened up due to the pandemic, the packaging sector – for both food and non-food products – proposes its solutions, seeking new opportunities for development.



With health and safety as dominant themes both in the recent past and in the future, the sector presents its newest products at the IPACK-IMA trade show (3-6 May), with a global vision: from the packaging process to the design and study of innovative materials, and from end-of-line labelling all the way to automation and digitalisation.

This time the focus is the non-food sector, in particular in the chemical-pharmaceutical industry, in light of its fundamental role during the health emergency and given the forecast for 2022, which predicts the search



by
Elisa Crotti

for new development opportunities, especially in this context.

Whether we're talking about personal protective equipment, drugs, medical devices, food supplements, vaccines, products for sanitising environments and the skin, or simply beauty and personal care products, the sector is on the front line and in the spotlight.

The objective is clear: respond to emerging and increasingly present consumption demands, demands that will certainly be dictated by hygiene and health related aspects which are a consequence of the new normal.

Without neglecting (though this goes without say and has by now become a mantra of which there's no doubt) the increasing demand for environmental sustainability and the ever-growing attention which companies in all sectors are dedicating to it.

The competitive battle in the chemical-pharmaceutical sector is fought in different fields, with increasingly efficient and advanced packaging systems and a search for innovative and environmentally friendly materials, inspired or guided by the concept of circular economy. Without overlooking production, encapsulation, packaging, serialisation, and quality control technologies, with reference to the second big theme of the moment as well: digitalisation and the evolution towards industry 4.0.

And while it's true that "cross-contamination" is a medical term associated with unpleasant events, it's also

true that in this case it's enormously valuable and refers to the successful synergy between the consumer goods and the durable goods industries, with major interaction between the various production sectors.

This refers also to cross-industry solutions that apply to all sectors, like end-of-line, palletisation, coding, branding, labelling, and intralogistics systems.

A series of exciting challenges, which operators in the industry are ready to accept.



AUTOMATED PRINT AND APPLY, A MATTER OF CHOICE

Selecting an automated print and apply system can be a daunting task, especially when it's a company's first foray into automated labelling. As the name implies, the print engine is the key component of the whole system and its choice should not be taken lightly.

The usual selection process revolves around specific aspects: already owned models, printing speed, Direct Thermal Vs Thermal Transfer, resolution etc... But that's limiting, not to say that is a mistake; there are other factors, often overlooked, that should be seriously considered during the evaluation process.

Serviceability

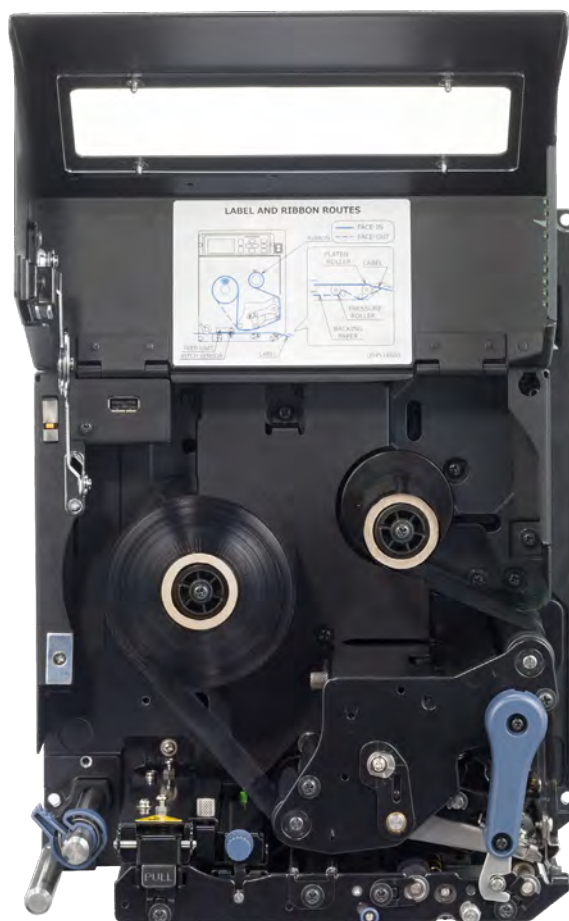
Just like a vehicle engine, there are many elements of the print engine that require scheduled cleaning, maintenance and, sometimes, replacement; components such as the thermal print head or the platen roller. If these items are difficult to replace, or if areas of the printer are not readily accessible for cleaning, the result can be defective printing, frustrated users and production line downtime.

Sometimes a more in-depth service work is required, being this the case it's fundamental the print engine can be easily removed and put back in place as fast as possible. This removable print engines, often referred to as an "OEM print engine", provide two important benefits: ease of access, ease of replace.

To ensure service can be done in a timely manner, it's important for key internal components to be simply accessible and that most of them can be reached without the need to disassemble other areas of the printer. Ask your technical personnel for their experience with different print engine models. We did so. That's why SATO specialised itself in OEM engines and our modules are the best in class when it comes to changing a print head without tools or accessing the PCB for maintenance.

Adaptability

Print engines are vastly different "animals"



when compared to traditional desktop label printers. The latter generally see either relatively low volume label production or bursts followed by long periods of idle time. Also, minor detail, they are generally in an office or other protected environment. Print and apply engines, on the other hand, see long periods of continuous production - up to 24 hours a day, seven days a week - directly in the production environment.

With this level of rigorous use, it's critically important for the selected print engine to have a fully committed design, development and support team in place as well as a long standing history of success and reliability in the market. SATO not only can offer that, 80 years in the business speak for themselves, but it's also capable of offering printers with both the smarts





and the capabilities of a desktop model and the resistance of a print engine. A partner of us was working with Arcelor Mittal and they needed a print engine capable of working in an environment with a temperature varying between 0°C and -40°C. Although we had better performances than competitors, we were still facing one technical challenge: the printer had to be capable of supporting a Zebra emulation inside a SAP system. Long story short: after some testing, turned out that the CL4NX series was perfectly capable of supporting the ZPL emulation and adapting to itself to the harsh environment. All thanks to the AEP suite, an AI platform residing inside SATO printers.

Conclusion

Technical specifications are just the first step of the selection process; just looking at the datasheet, or even worse making a choice based on the matching between your current desktop fleet and the new print engines can be detrimental for the whole production plant.

Adding the above criteria to the selection process is guaranteed to help companies choose a print engine that meets not only the technical requirements of the application but also the operational needs of the organization and the capabilities of its personnel.

Are you looking for help in the selection process? Do you want to have more insights on the SATO world and its expertise? Are you facing insurmountable problems with your production line? Make the right choice, contact us and we'll find a solution together, on site.

www.satoeurope.com



SECTORS

✓ PHARMACEUTICAL

✓ COSMETIC

✓ FOOD



EXHIBITIONS 2022-2023

PROSWEETS

31/01-02/02/2022 
COLOGNE

Fair for the sweets
and snacks industry.

mcTER

24/02/2022 

Exhibition on energy efficiency.

INTERSICOP

19-22/02/2022 
MADRID

Fair for bakery, pastry, ice cream, coffee.

SIGEP

12-16/03/2022 
RIMINI

Fair for bakery, pastry, ice cream, coffee.

BEER&FOOD ATTRACTION

27-30/03/2022 
RIMINI

Fair for beers, drinks, food and trends.

mcT ALIMENTARE

31/03/2022 
VERONA

Fair on technology for the food&bev industry.

FRUIT LOGISTICA

05-07/04/2022 
BERLIN

Fair for fruit and vegetables.

VINITALY

10-13/04/2022 
VERONA

International wine & spirits exhibition.

ANUGA FOODTEC

26-29/04/2022 
COLOGNE

Fair on food and beverage technology.

PROWEIN

15-17/05/2022 
DUSSELDORF


International wine & spirits exhibition.

COSMOPROF

28/04-02/05/2022 
BOLOGNA

Fair for the cosmetic production chain.

CIBUS

03-06/05/2022 
PARMA

Fair of food product.

IPACK-IMA

03-06/05/2022 
MILAN

Exhibition for the packaging industry.

MACFRUT

04-06/05/2022 
RIMINI

Fair of machinery and equipment for
the fruit and vegetable processing.

MIDDLE EAST 2022/23

GULFOOD

13-17/02/2022 
DUBAI

Fair for food and hospitality.

GASTROPAN

03-05/04/2022 
ARAD

Fair for the bakery and confectionery.

HOSPITALITY QATAR

21-23/06/2022 
DOHA

Fair of Hospitality and HORECA.

DJAZAGRO

30/05-02/06/2022 
ALGERS

Fair for companies
of the agro-food sector.

IRAN FOOD BEV TEC

07-10/06/2022 
TEHRAN

Fair for food,
beverage&packaging technology.

PROPAK ASIA

15-18/06/2022 
BANGKOK

Fair for packaging, bakery, pastry.

ANUTEC

14-16/09/2022 
MUMBAI

Fair for the food&beverage industry.

PACPROCESS FOOD PEX

23-25/11/2022 
MUMBAI

Fair for product from packaging.

WOP DUBAI

22-24/11/2022 
DUBAI

Fair for fruits and vegetables.

PROPAK VIETNAM

09-11/11/2022 
SAIGON


Fair for packaging, bakery, pastry.

GULFOOD MANUFACTURING

08-10/11/2022 
DUBAI

Fair for packaging and plants.

GULFHOST

08-10/11/2022 
DUBAI

Fair of hospitality.

GULFOOD

20-24/02/2023 
DUBAI

Fair for food and hospitality.

EXHIBITIONS 2022-2023

SPS/IPC DRIVES/ITALIA

24-26/05/2022 

PARMA

Fair for industrial automation sector.

HISPACK

24-27/05/2022 

BARCELONA

Technology fair for packaging.

MECSPE

09-11/06/2022 

BOLOGNA

Fair for the manufacturing industry.

LATINPACK

29-30/06/2022 

SANTIAGO CHILE

International packaging trade fair.

FISPAL

21-24/06/2022 

SÃO PAULO

Fair for product from packaging.

DRINKTEC

12-16/09/2022 

MONACO

Fair for the beverage, liquid food industry.

FACHPACK

27-29/09/2022 

NUREMBERG

International packaging trade fair.

POWTECH

27-29/-09/2022 

NUREMBERG

The trade fair for powder processing.

SAVE

26-27/10/2022 

VERONA

Fair for automation, instrumentation, sensors.

mcTER COGENERAZIONE

23/06- 26/10/2022 

MILAN

Exhibition for cogeneration.

SIAL

15-19/10/2022 

PARIS

Fair on food products.

SUDBACK

22-25/10/2022

STUTTART

Fair for bakery and confectionery.

CIBUS TEC FORUM

25-26/10/2022 

PARMA

Exhibition & Conference on Food & Beverage Technologies Trends.

SIMEI

15-18/11/2022 

MILAN

Fair for vine-growing, wine-producing and bottling industry.

ALL4PACK

21-24/11/2022 

PARIS

Exhibition about packaging technology.

INTERPACK

04-10/05/2023 

DÜSSELDORF

Technology focused on packaging, bakery, pastry technology.

TUTTOFOOD

08-11/05/2023 

MILAN

Fair B2B show to food & beverage.

HOST

13-17/10/2023 

MILAN

Fair for bakery production and for the hospitality.

IBA

22-26/10/2023 

MONACO

Fair for the bakery and confectionery industry.

CIBUS TEC

24-27/10/2023 

PARMA

Exhibition & Conference on Food & Beverage Technologies Trends.

BRAU BEVIALE

14-16/11/2023 

NUREMBERG

Fair of production of beer and soft drinks.

EAST MARKETS 2022/23

BEVIALE MOSCOW

29-31/03/2022 

MOSCOW

International trade fair for the beverage industry.

UPAKOVKA

24-27/01/2023 

MOSCOW

International packaging machinery exhibition.

INPRODMASH

13-15/09/2022 

KIEV

International packaging machinery exhibition.

BEVIALE MOSCOW

14-16/11/2023 

MOSCOW

International trade fair for the beverage industry.

AGROPRODASH

10-14/10/2022 

MOSCOW

Fair of machinery and equipment for agroindustrial industry.

MODERN BAKERY

2023 

MOSCOW

Fair for bakery equipment and food ingredients.



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SECC

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Overseas manufacturers and suppliers are welcomed to Vietnam to do business and expand their network with local enterprises, thanks for well management of Covid and full opening for entry to Vietnam with FREE COVID test and quarantine. ProPak Vietnam 2022 will be back in Ho Chi Minh City from 9 – 11 November 2022 to serve the dynamic processing and packaging market in food, beverage, pharma, cosmetics, consumer goods and many other industries. Be a part of the most established trade event by meeting up with more than 9,700+ trade visitors from industry leaders and professionals from all segments of the supply chain under one roof.

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Exhibition Space



580

Exhibiting
Companies



8

International
Pavilions



30

Countries
Regions



9,700

Trade Visitors

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E: andrea.boccellini@informa.com



WE'VE TALKED ABOUT...

ALPHAMAC SRL

24/27

Via Nobel, 20
40064 Ozzano dell'Emilia - BO
Italy

ALTECH SRL

9-10-11

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

ANICO SRL

72-73

Via C.A. Dalla Chiesa, 1094
51036 Castelmartini (Larciano) - PT
Italy

BAUMER SRL

Member of Smart Packaging Hub

49/51

Via Emilia Ovest, 93
41013 Castelfranco Emilia - MO
Italy

BEUMER MASCHINENFABRIK GMBH & CO. KG

55/57

Oelder Strasse 40
59269 Beckum
Germany

CAMA GROUP

Member of Smart Packaging Hub

1-12-13-49/51

Via Como, 9
23846 Garbagnate Monastero - LC
Italy

CLEVERTECH SRL

Member of Smart Packaging Hub

49/51

Via Brodolini, 18/A
42023 Cadelbosco Sopra - RE
Italy

DUBAI WORLD TRADE CENTRE - DWTC

3

P.O. Box 9292
Dubai
U.A.E - United Arab Emirates

DUETTI PACKAGING SRL

14/16

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

ENIMAC SRL

17/19

Via Monzoro, 58
20010 Cornaredo - MI
Italy

ETIPACK SPA

28/31

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

FAIRTRADE MESSE GMBH & CO.KG

81

Kurfuersten-Anlage 36
D-69115
Heidelberg
Germany

GENERAL SYSTEM PACK SRL - GSP

37/39

Via Lago di Albano, 76
36015 Schio - VI
Italy

IMA SPA - IMA ACTIVE DIVISION

76/79

Via 1 Maggio, 14
40064 Ozzano dell'Emilia - BO
Italy

INDUSTRIE CHIMICHE MULLER & KOSTER SPA

40/42

Via Papa Giovanni XXIII, 12
20060 Liscate - MI
Italy

INNOVIA FILMS

80

Lowther R&D Centre,
West Road, Wigton
CA7 9XX UK
Wigton, Cumbria,
United Kingdom

LABELPACK TRADE SRL

32-33

Via Monte Cervino, 51/F
20861 Brugherio - MB
Italy

LAWER SPA

34-35

Via Amendola, 12/14
13836 Cossato - BI
Italy



WE'VE TALKED ABOUT...

LIC PACKAGING SPA

52/54

Località Breda Libera
25028 Verolanuova - BS
Italy

MESAGO MESSE FRANKFURT GMBH

III COV

Rotebuehlstraße 83 – 85
70178 Stuttgart
Germany

MESSE DÜSSELDORF INDIA PVT. LTD.

II COV

20th Floor, Tower A,
Building No. 5DLF Cyber City,
Phase II,
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