



**PACKSYS
GLOBAL**



A Member of Brückner Group



**CREATING
PACKAGING
TECHNOLOGY**



4-11

The World of PackSys Global

At PackSys Global we think that everybody should do what they do best. When it comes to innovation, our brand is at the forefront of the machinery industry since more than 5 decades.



12-15

The World Tubes

Our solutions as a manufacturer of laminated tubes for over 50 years, still the best in the market and we are the only ones to offer a complete tube line for the production of cosmetic tubes.



16-17

The World of Packaging

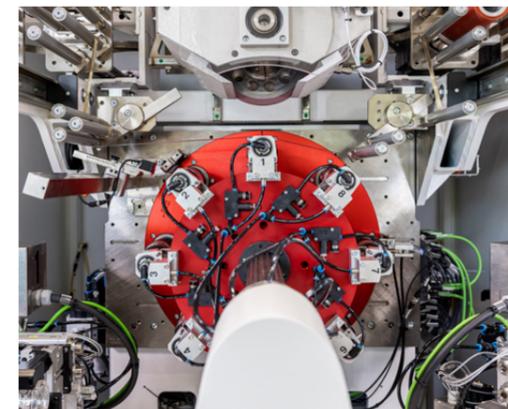
As the absolute market leader in the production of packaging machines, it is clear for us that the end of a chain is just as important as the production of the chain itself. That is why our packaging machines are the first choice for customers all over the world.



18-19

The World of Closures

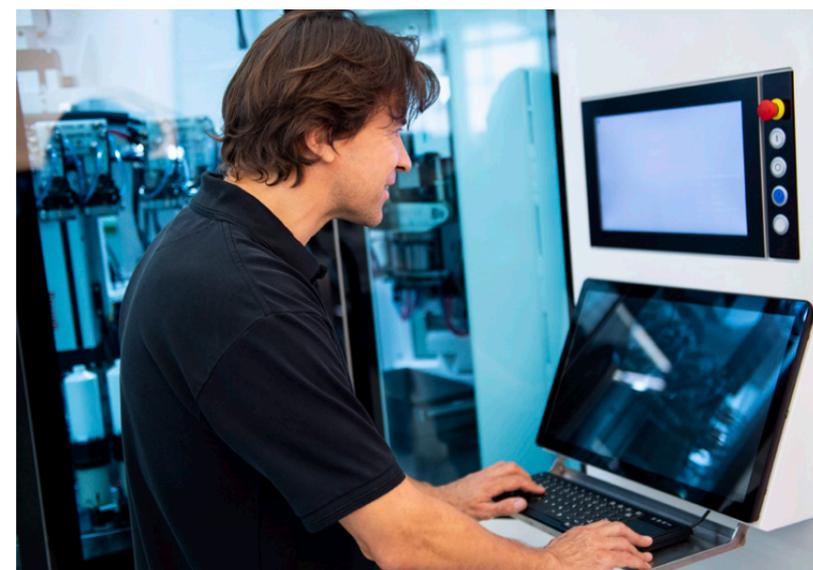
The manufacture of beverage plastic closures is one of the most innovative areas in packaging today. Continuous improvement is a top priority here, as beverage companies develop new products in a rapidly changing market environment. PackSys Global supports its customers in facing the increasing competition due to new technical and economic challenges.



20-21

The World Decoration

The comprehensive range of hot stamping machines for the decoration of cosmetic products offers solutions for every individual challenge. From PackSys Global, we work to achieve outstanding decoration solutions adding the finishing touches to your products setting trends in the cosmetic tube equipment



22-23

Global Customer Service

Technology is our passion, service our commitment. Driven by a passion for Swiss precision and commitment to customers, we offer a full life cycle service to keep your equipment running at peak performance.



24-25

Krea Lab Center

Having innovation as a flag in our company, we present our new technology centre in which our customers can continue to be part of our research and development of #swisstainable solutions for their business.



Beat Rupp
CEO

Ulrike Bauer
CFO

PackSys Global

Creating packaging technology

On the following pages, you will learn first-hand and receive an insight into the capabilities of PackSys Global and get to know, where we are the undisputed market leaders in the advanced packaging equipment industry.

Our markets are constantly evolving and, naturally, so are the demands for equipment, innovative and sustainable solutions where fast reaction, professionalism and creativity are the main assets these days.

Fortunately, we thrive on change. The expertise and experience of our dedicated teams is reflected in the innovative solutions developed for customers around the world and sets benchmarks within the industry. Our expertise also facilitates versatility.

Not only can we manufacture established equipment, but we work in partnership with customers to develop equipment that anticipates future market trends. Based in Switzerland, we have a truly global presence. Highly skilled R&D and production teams are located in specialized plants in Switzerland. Our renowned Swiss precision engineering enables customers to optimize performance and sustainably increase productivity.

This is reinforced by our worldwide technical support. Experienced and highly qualified service engineers in Brazil, China, India, Japan, Switzerland, and the USA provide local and timely support across the entire service spectrum. Together, we represent the innovation, performance, quality, and reliability of Swiss engineering.

Now with over 50 years of experience, with the help of our team of highly qualified engineers and new headquarters with our own technology center (KREA Lab Center), we are more prepared than ever to realize your vision and to help you grow your business in an extraordinary way.

SWISSTAINABILITY starts at home

Together, stronger than never

The Waldau building, surrounded by greenery, is the new headquarters of PackSys Global. An ideal place to work where every detail has been taken care of during construction to provide the best conditions for the employees to achieve the highest performance and quality in the design, procurement and assembly of our machines.

An 17,000 square meter site in Rüti has been converted into a truly unique, world-class manufacturing and office location that prioritizes the environment in terms of design and sustainability. It should come as no surprise to anyone, that our architects and interior designers strove to bring nature inside the building to create an ideal working environment in every way.

The design of Waldau and its utilities was firstly done so that it uses as little energy as possible. When we need power, it comes primarily from the more than 1,500 solar panels on the roof of the building.

With this state-of-the-art photovoltaic system, we are self-sufficient and generate more than 70% of the building's energy needs when working at maximum capacity. During the hours when production is closed, the energy generated by the building is supplied to the city of Rüti.

More than 1960 m³ of concrete (410 tons of CO₂) have been saved in the construction of the foundations and the building has been constructed using the innovative Cobiax method, one of the best and most eco-sustainable insulation methods on the planet.

In addition, the building uses intelligent lighting and air control to produce a dynamic, energy-saving lighting and air system. It is also equipped with energy monitoring devices to ensure that consumption remains sustainable. The building has charging stations for bicycles and electric cars completing what is now called: "An eco-sustainable and intelligent building".

"Now more committed than ever"

Our company is now more than ever involved in caring for the environment and doing our utmost to contribute to a better world.

We are aware that working with a material such as plastic is not at first sight "welcome" but it is also true that without plastic we would not be able to preserve many things that are necessary in our day to day. It is not the plastic itself; it is we who are responsible for recycling and reusing it in an appropriate way.

In our company we are always looking at ways to reduce it and our engineers have a responsibility to design technologies that help the environment.

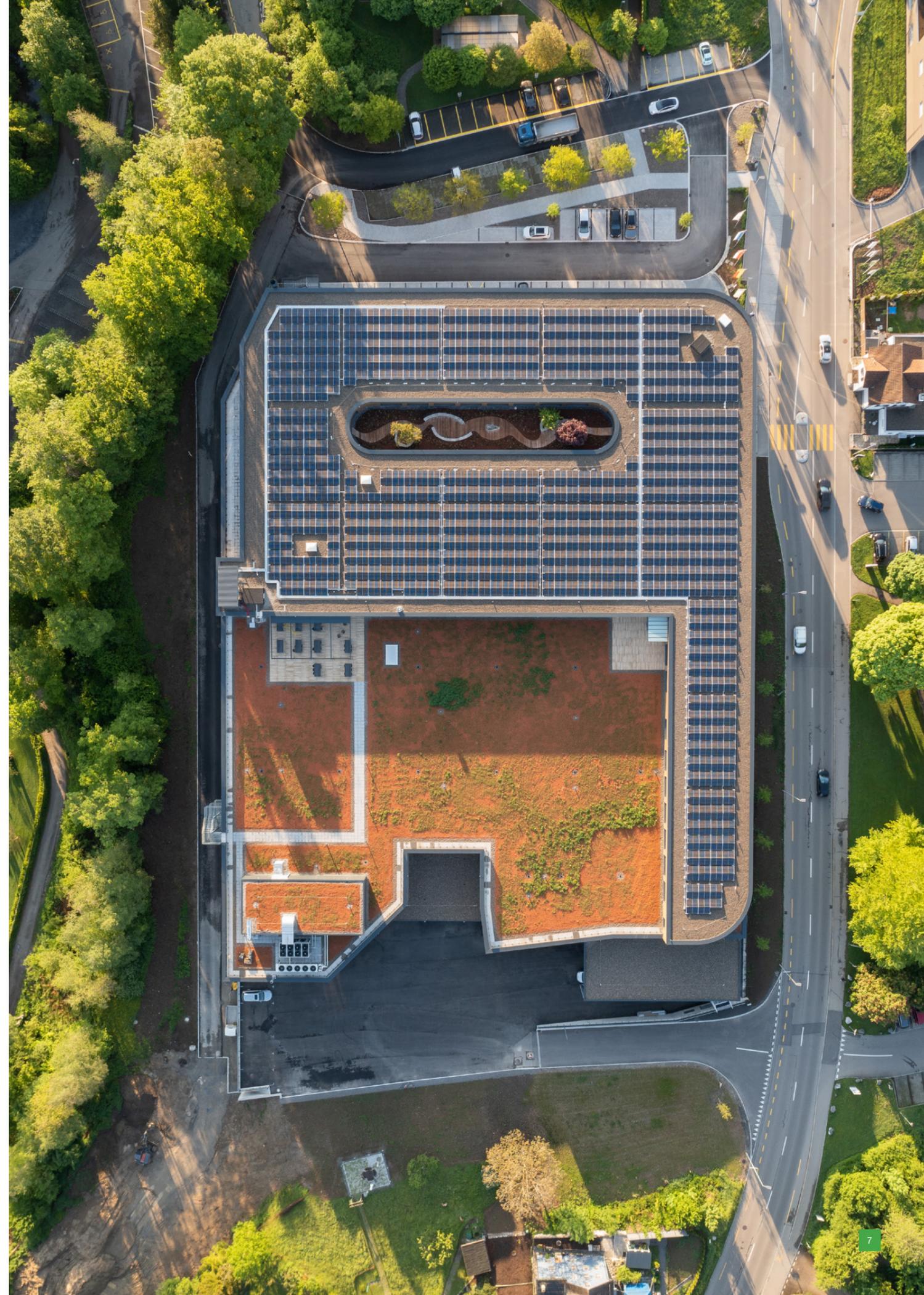
This year we are publishing our sustainability report together with the Brückner Group, of which we are part, and also with the highlights in which our company is working in the area of sustainability.

As we always say, "Swisstainability starts at home", we cannot go out and promote something as serious as this without being consistent in our own house and that is why with our new building we are proud to say that we are more eco-sustainable than ever in all aspects.



“With the construction of our new building, we not only wanted a new facility for our employees, but also to set the standard for sustainability in the production of our machines.”

Aitor Henao, Head of Marketing & Communications, PackSys Global



PackSys Global – one company, one brand

Since more than 50 years innovating

Founded in 1969, today's PackSys Global AG has evolved into one of the world's leading manufacturers of high-quality packaging solutions and machines for the cosmetics, beverage, pharma and packing industries.

It all began in 1969

In 1969, under the name KMK Maschinen AG, we started to manufacture machines for laminate and extruded tubes and became known worldwide for our reliable and high-precision machines. Due to the acquisition of the company WESCO (Thailand) in 2001, KMK Maschinen AG extended its product portfolio. From that time on machines, complete lines for aluminum tubes and monobloc aerosol cans lines were part of the product range.

In 2002 KMK Maschinen AG acquired the Swiss company Oberburg Engineering. Oberburg Engineering brought with them knowledge and long experience of the machinery for metal and plastic caps.

In 2002 the PackSys Global brand was born.

As a result of acquisitions in recent years, the name KMK Maschinen AG no longer suited the company's new, broader product portfolio. In order to continue the steady success of the company, the decision was made to change the name to something more fitting and comprehensive for the industry. Thus the name PackSys Global was born in 2004.

The success of the Swiss company did not go unnoticed, in particular by the Brückner Group, an international, family-owned German company and world leader in its sector. The two companies crossed paths and in 2011, PackSys Global was acquired and became part of the German group, further strengthening its position in the market.

Combining forces

In the following years, PackSys Global's innovation was not only reflected in its machines, but also within the company itself. It was necessary to evolve and for this it was necessary to acquire knowledge in other areas and to grow in order to offer something unique and different to customers.



Our employees are the key factor in our success story. Individuality, commitment, passion, flexibility and consistency are some of the most important values that the Brückner Group carries in its DNA. After acquiring new companies it has been our priority to transfer these values for the best possible integration of our new employees.”

Nathalie Borel, Head of Human Resources, PackSys Global

In 2013 Madag Printing Systems AG, a renowned, Swiss based manufacturer of automatic hot foil stamping machines, was acquired to expand the company's portfolio.

In 2014 PackSys Global AG acquired Texa AG and Combitool AG. With these acquisitions PackSys Global became the only company in the industry making complete lines for laminate and extruded tubes. Our company became the undisputed leader in the industry, offering something that even today no other company can match.

In 2019, PackSys Global decided to sell its subsidiary in Thailand and to focus its core competence in machines for plastic packaging, thus exiting the

market for machines manufacturing aluminium tubes and monobloc aerosol cans almost completely.

One company, one brand. The crucial years of change.

During 2020 and 2021 all 4 Swiss companies merged into PackSys Global, thereby creating a much stronger company focused on the continuity of each other's strengths.

The former Texa Packing, now a part of PackSys Global, remains in its original location near Chur (Switzerland) at the foot of the Alps, where it manufactures its machines and sends them all over the world. The R&D team for the

company's complete portfolio is based in various locations across Switzerland including an office in Burgdorf (Bern), near the Swiss capital. All other manufacturing locations were restructured by the middle of 2021 and all former employees from the acquired companies, now work under one roof in the new and eco-sustainable headquarters named "Waldau" in Rüti.

Today, we are stronger than ever with 3 different locations in Switzerland. We are united and excited to celebrate the inauguration of our new headquarter and the new KREA LAB Center. How? Together with you. We are very glad that you are a part of it.



Be part of it

We are international, our global footprint

We can reach and help
your business worldwide



Waldau Headquarters & Assembly in
Rüti (Switzerland)



Burgdorf R & D office near to the Swiss
capital, Bern (Switzerland).



Haldenstein assembly center at the foot of the
Alps near to Chur (Switzerland)



Switzerland



USA



China



India

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The World of Tubes

Long-term thinking and innovation – the key of success



For every product, we focus on customers' needs and create innovative solutions to satisfy them. Using a selection of the latest technologies, it is the constant goal of our engineers to develop long-lasting and highly efficient solutions.

Over 50 years of tube making experience has built PackSys Global's reputation worldwide among the major players of the packaging industry. PackSys Global has contributed to the dynamism of the tube market through establishing new trends, setting industry benchmarks, and offering new market applications' opportunities.

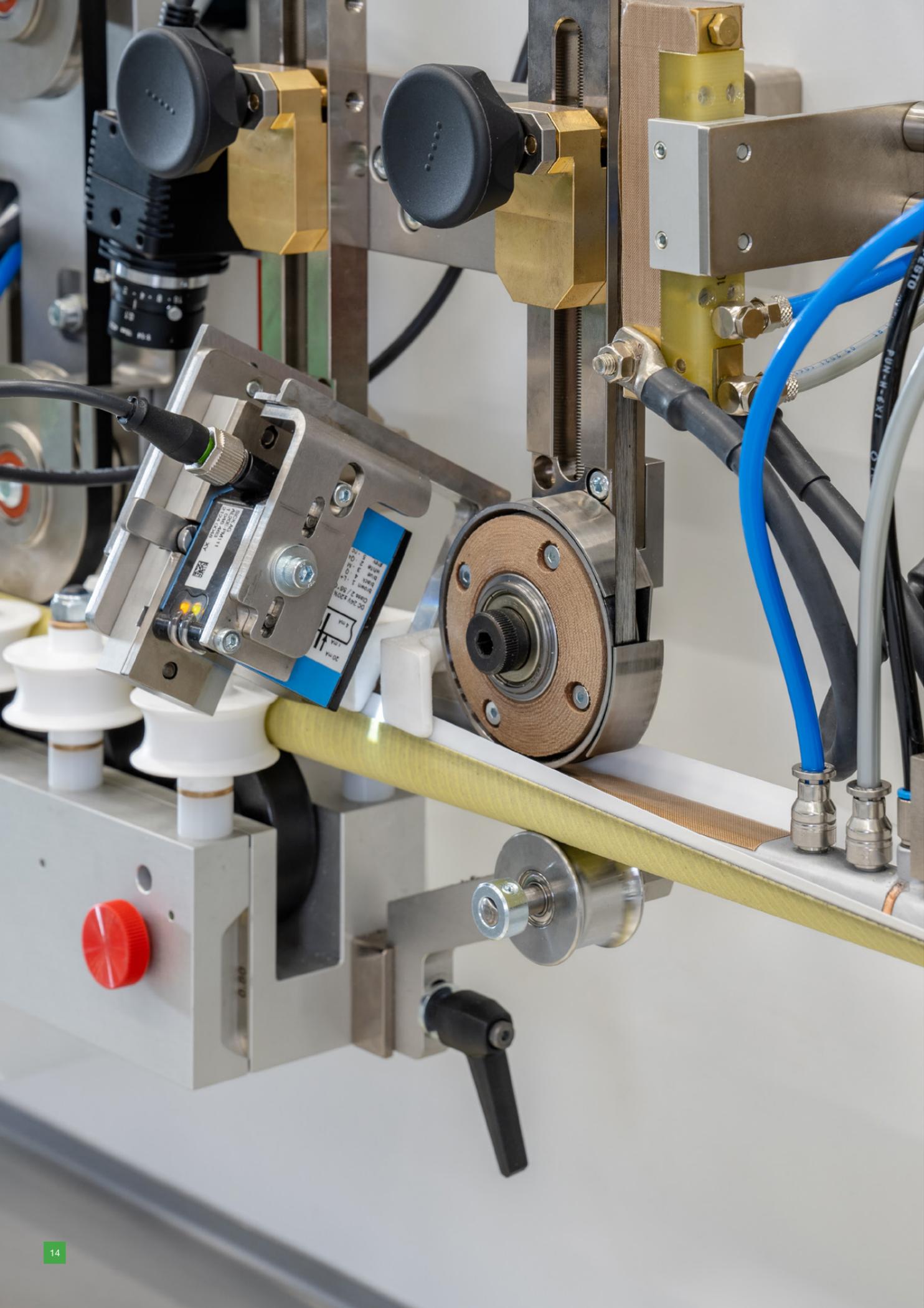
Our latest developments integrate demands for versatility together with low cost per output. In competitive markets we bring solutions that enable tube manufacturers to increase their market share thanks to our machines' high efficiency.

Fully integrated equipment for oral care

PackSys Global offers fully integrated solutions. We combine recognized know-how in compression molding for tube heading with side-seaming technology. The heading machines manufacture shoulders- "on demand" for each tube rather than by the use of pre-molded shoulders. Our approach saves on the weight of plastic used in the shoulder, the total manufacturing footprint, the number of staff required and the total utility costs required. There is also no need to invest in additional molds and/or molding machines.

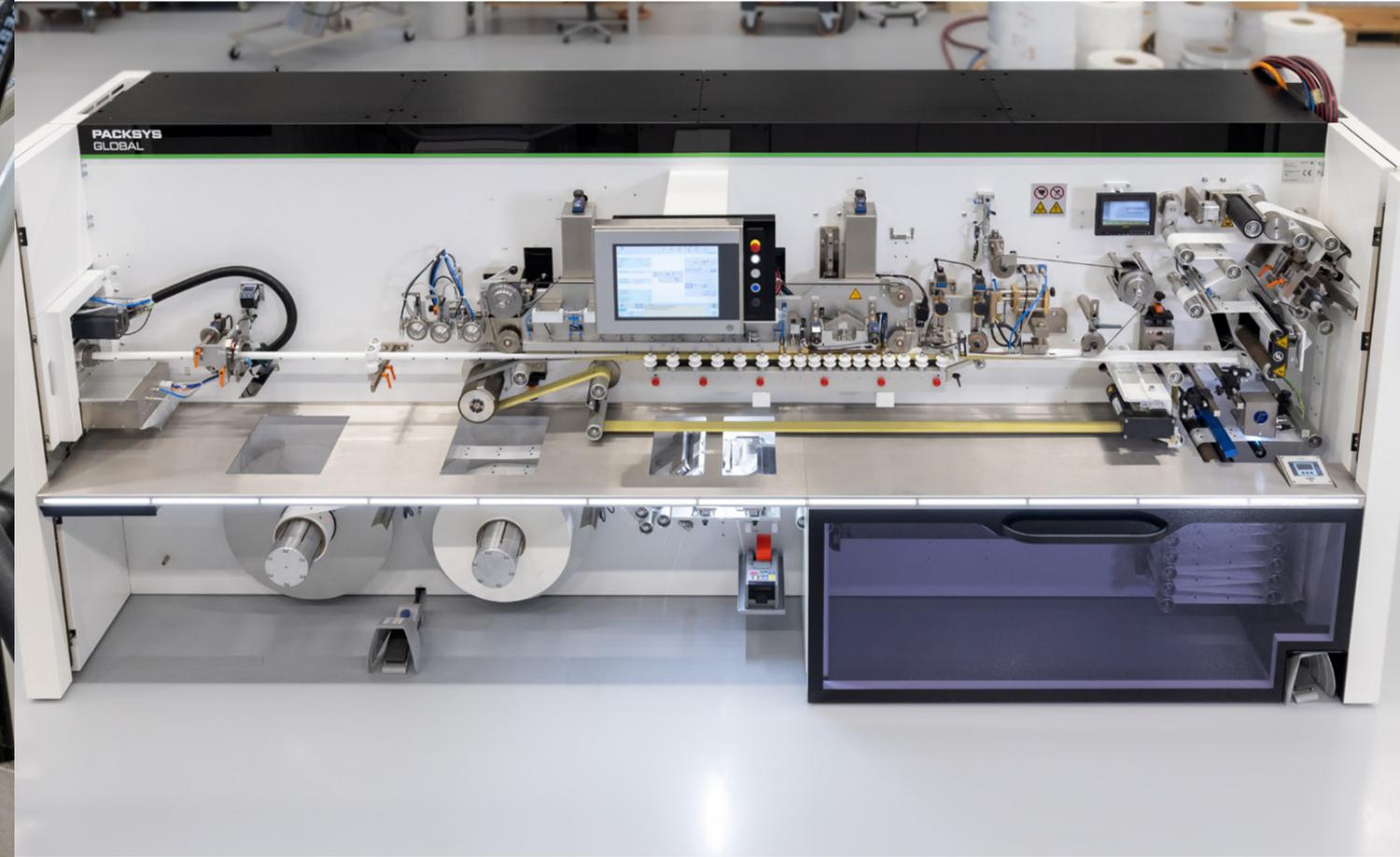
Today, major players in the tube packaging industry recognize PackSys Global as the leading manufacturer of tube equipment worldwide. Customers look for marketing differentiation through decoration, special tube design (oval, rectangular), and attractive and low-profile caps – all this while the end product remains price competitive to produce. We are a highly qualified engineering company that excels in low, medium and high speed plastic and laminate tube equipment and specialized tooling for the tube industry.

Our high-quality equipment is reliable, cost effective and flexible. A worldwide customer service supports all installations to stay continuously operational, assisting customers in troubleshooting/ remote diagnostic intervention and spare parts management.



The World of Tubes

Long-term thinking and innovation – the key of success



Setting trends in cosmetic tube equipment

In recent years, the use of laminate tubes for cosmetic applications has been a revolution for the cosmetic industry. As major players in the cosmetic industry are increasingly changing their tubes to this technology, the term Cosmetic Laminate Tube (CLT) has been adopted. PackSys Global has been at the forefront of CLT technology for the last decade and is seen as the inventor of this technology with the launch of its LTR side-seamer in 2004. PackSys Global is a trendsetter within the cosmetic industry and continues to be the only company which manufactures complete cosmetic tube lines.

The cosmetic and personal care industries are the main drivers for new developments in tube designs and manufacturing. PackSys Global has continued its history of leading the market through innovation by the development of its newest side-seam technology, NEOSeam.

NEOSeam is the solution for customers who want the appearance of 360° decoration combined with the quality, cost advantages and multiple printing technologies available with flat printing. Our company portfolio covers the complete process from tube side seaming machines, heading machines, tube capping and finishing machines and decoration machines for plastic tubes, all complemented by our best in class packing machines.

The World of Packing

The absolute leaders worldwide



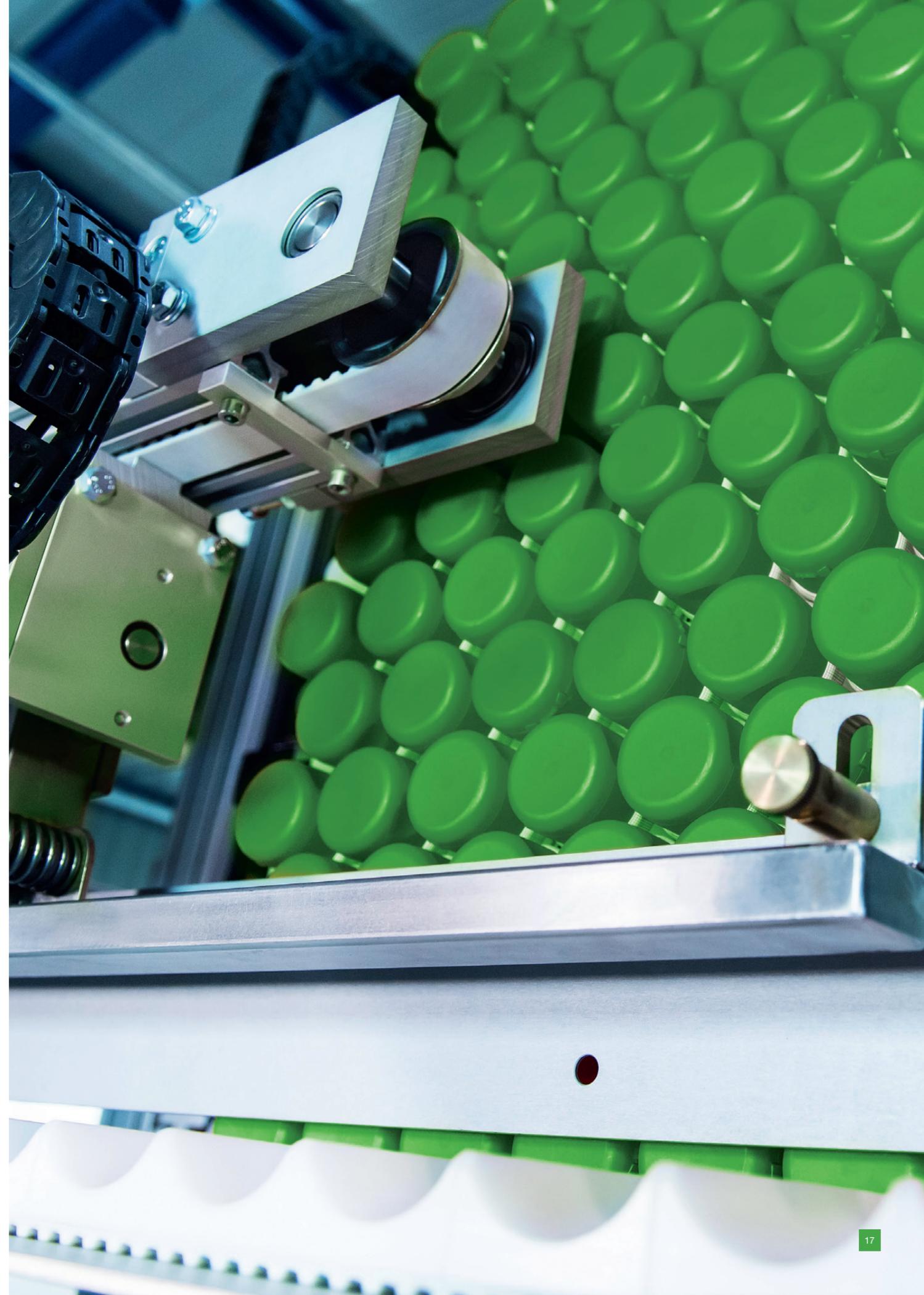
Packing perfectly customized - We are an international recognized producer of packaging machines for cans, tubes and cartridges. Our major products and services are the development, manufacturing, installation, start up and customer training as well as worldwide after sales service for all major products. We operate worldwide, but our major markets currently are central Europe, Asia and USA.

Tube packers from PackSys Global pack unfilled plastic, laminate or aluminum tubes and are unique in their ability to put tubes into plastic bags in the boxes. The autonomous packers cover an extensive application range and are designed with a synchronized vacuum-supported transfer matching the speed of the upstream machine. This, together with the fact the packed products are always guided, either in trays, forms or fixed by mandrels, ensures a high output and efficiency is always achieved.

Experts in can packing. All shapes and sizes of unfilled cans can be packed on our packers. Depending on the can design, we advise how best to bundle, pack into boxes, or palletize the cans. The autonomous packers cover an extensive application range and are designed with a synchronized vacuum supported transfer matching the speed of the upstream machine

The packaged products are always guided either in trays or forms high output and efficiency. Built with components from well-known manufacturers for a wide production range.

- Same speed as the respective tube and can lines up to 250cpm or 350tpm, high speed machines up to 500tpm
- Equipped with their own control system including PLC and safety - therefore machines are autonomous
- Synchronous linked to upstream machines like the capping or necking machines
- Pack unfilled laminate, plastic, and aluminium tubes as well as aerosol cans, and cartridges





The World of Closures

Bringing value and efficiency with an extensive & upgraded portfolio of slitting/folding machines for tamper-evident (TE) bands for plastic beverage caps



Molding

PackSys Global's equipment supports both injection and compression molding technology.



Slitting/Folding or Folding/Slitting

SLITTING TECHNOLOGY

Slitting closures results in very accurate and consistent opening torque which, in general, cannot be achieved by molding the bridges. Changing the TE-bridge geometry can be easily achieved within minutes – all closures are slit on one Duraslit® knife to ensure a consistent closure is produced.

FOLDING PROCESS

This slitting machine has been developed with Swiss technology and research to conduct folding and slitting operations with the highest level precision for optimum results. Upon receiving the cap, the folding tool centers the cap, makes a pre-fold and then folds the cap completely within a fraction of a second.



Tethered closure

While recycling rates for PET bottles are at good levels in some countries, consumers are sometimes unclear about what to do with the bottle cap. PackSys Global has developed solutions to “tether” the cap to the bottle without sacrificing the tamper evident features of the cap. The cap stays attached to the bottle and can then be separated when the bottle is recycled.



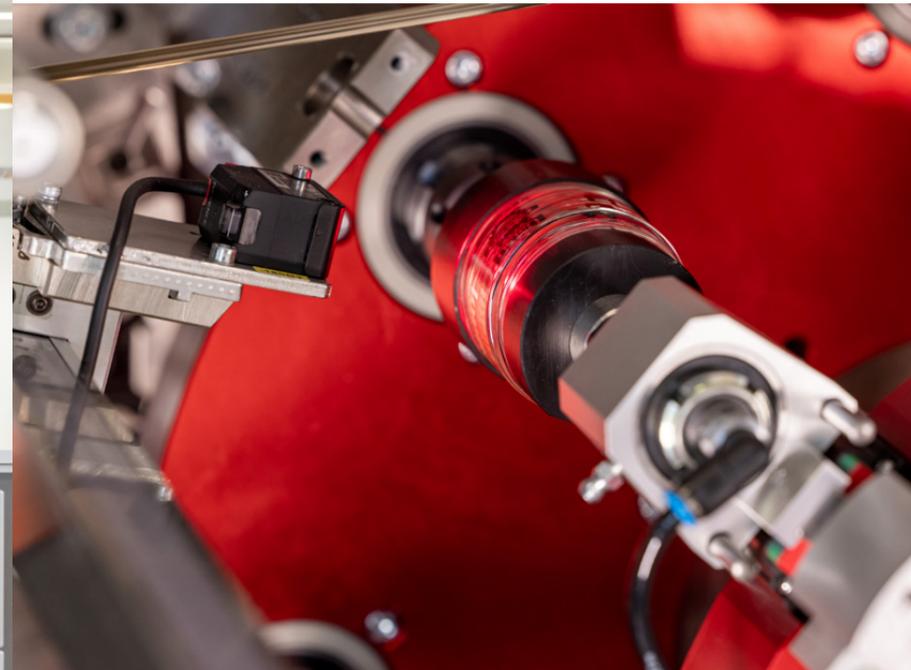
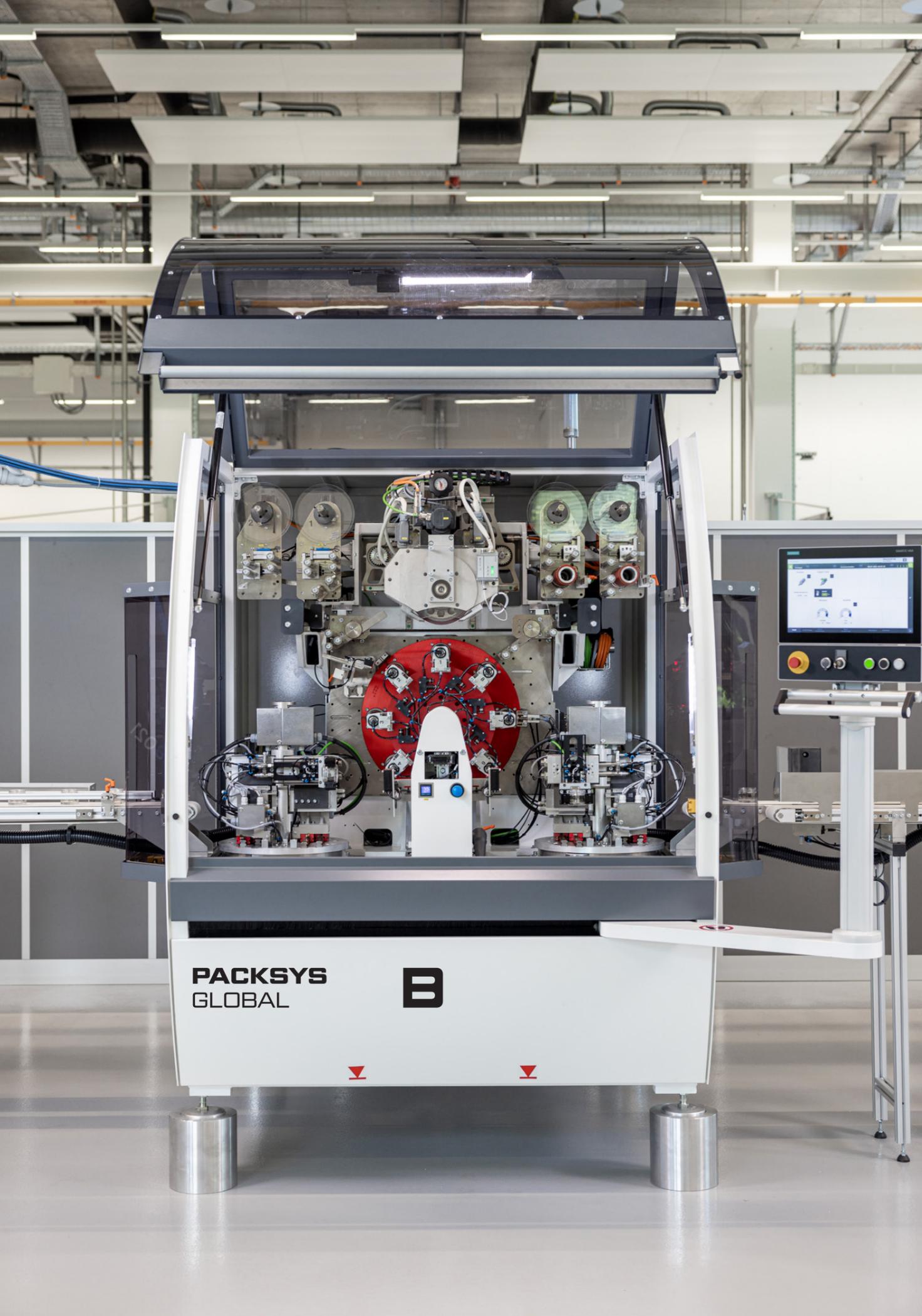
Inspection

With its independent control and optional vision system, pinhole detection, degating unit, sampling channel for quality control; a wide range of quality and process features can be easily integrated into any production line with easy parameter changes, line management and speed control. All these ensure product quality and yield while minimizing downtime. Two highlights:

- Micro-hole detection device integrated in combination with a camera system detects pin holes on plastic closures and rejects caps on the camera system.
- PackSys Global is working closely with world leading visual inspection system manufacturers to eliminate malfunctions during the bottling process to ensure easy and secure product handling by consumers.
- The capLAB is an integrated mechanical testing unit for inline testing of the functionality of the first opening guarantee-band of a beverage bottle.
- When a slitting machine is forming the bridges, knife temperature settings would be changed to keep the pull values in target range, means a fully automated process for constant cap quality over lifetime of a knife. Communication upstream to the moulding machine/mould available to stop the line in case of a major quality defect.

The World of Decoration

Achieving outstanding Decoration solutions



PackSys Global has a variety of hot stamping equipment, each dedicated to different products in the cosmetic industry. Whatever the requirement, be it for tube decoration, perfume flacons, mascara, or cream closures, we have a solution to fit.

PackSys Global **Tubeliner** is the hot stamping equipment series for plastic tubes. Through its intelligent design and small footprint, we meet the cosmetic industry requirements for hot stamped decoration produced quickly, efficiently and to an exceedingly high-quality standard.

The modular design of the **DecoMat** Series and the newly released **DecoFlex** Series allows complex stamping combinations (multi-area/multicolor decoration) in one continuous process by linking the hot stamping modules together. This allows cylindrical, conical, angular, or non-circular parts, common in the cosmetic portfolio to be hot stamped.

PackSys Global **DecoRoll MC** and **DecoRoll ML** are the hot stamping equipment series for side and top decoration in one pass at high output. Long wine and liquor caps, cosmetic lids and caps, and all plastic or aluminium parts that require decoration on 2 sides. It can handle round or non circular parts.

The industry requires fast, efficient, and precise equipment – exactly what PackSys Global delivers. State-of-the-art control generations make an absolutely reliable production operation possible, ensuring only perfect cans reach the finishing process. Its small footprint and smart design features including the quality inspection system result in extremely rapid production changeovers.

The PackSys Global **DecoRoll MG** hot stamping machine series is also a popular choice for side and top decoration including embossing among wine and spirits producers. The unique design features on the PackSys Global equipment makes it extremely user-friendly, while optimizing production efficiency and reducing consumable costs to an absolute minimum.

Global Customer Service

Technology is our passion,
service our commitment



Well-established service centres in China, India, Switzerland, and USA with more than 30 experienced and highly skilled field engineers.

Driven by a passion for Swiss precision and commitment to customers, PackSys Global parts are produced with the same skill and know-how that went into ensuring the reliable operation of your machine.

Enhance your machine productivity with our assessment, check-up and personalised training. Additionally we offer a large range of upgrades and retrofits to make the most out of your equipment.



Our expertise also facilitates versatility. Not only can we manufacture established equipment, but we work in partnership with customers to develop equipment in anticipation of future market trends.”

George Müller, Head of Customer Service Business Division, PackSys Global

With our new **“Remote Operations Control Center” (R.O.C.)** we can offer our customers even more focused and quality remote support and diagnostics.

Qualified service process and software engineers are able to connect “live” to our customers and their machines at any time and use the latest technology to determine the cause of the problem within the shortest possible time and find the best solution.



smartcube is designed intuitively and all the desired information can be found quickly. Powerful modules enable to monitor and analyze the production as well as the condition and status of each machine. Beside a cockpit that shows the most important information the main modules are:

- Parts & Documentation (formerly e-Portal)
- Production
- Energy
- Maintenance
- e-Learning



When the world is digital –

PackSys Global becomes digital

With technological advancements we are now able to provide advanced services to assist in operating our machines, achieving high efficiency and gaining sustainable competitive advantage.

Our vision is for customers be able to operate PackSys Global machines “Lights Off”. To achieve this vision we aim to provide services that allow customers to make better informed decisions and make your production and machines smarter.

Our smartcube digital service platform is the stepping stone towards achieving this vision. It enables monitoring of your machines in real-time, lays out analytical user-friendly graphical interpretations, guides in maintaining a smooth-running machine, assists you in purchasing spare parts, managing machine documentation and helps you in improving your skill and knowledge of machines.

smartcube uses gateway technologies based on industry standards (OPC UA, PackML) to extract machine information, stores the information on a secure cloud server located in Switzerland, in order to make it available to you on a user-friendly intuitive platform, on any device, anywhere, anytime.

Krea Lab Center

Invented in Switzerland, made for the world



Swisstainable solutions for your business

Innovation – the key of our success

Swiss think tank

We have a very large team of professionals working on a daily basis in our R&D department looking for every opportunity to reach the needs of our customers, our clients and to follow the path on the innovation that PackSys Global has created during the past 50 years. Our company is a symbol of innovation on the market. We were the first and only packaging machine manufacturer to bring a complete tube line to the production plants.

The quality of our machines & technologies, which we successfully deliver all over the world, is our hallmark and our driving force. The team is focused and sure, that the impossible can be transformed with the constant nurture ideas, experience and expertise our international team.

In order to continue with our eco-sustainability strategy in the search for new product solutions, pushing our machines to the limit, and giving the opportunity to people outside our company to carry out their studies, internships or private tests on our machines, we have a new innovation area called KREA LAB Center.

The KREA LAB Center is our technology center which is divided into two parts: The laboratory for chemical tests, and a private part of the assembly hall which we could call our showroom of machines, as we have all kinds of machines ready to be used only and exclusively in this technology center.

The KREA LAB is a place to create, test, demonstrate and try out any kind of material. A place where our engineers and visitors can enjoy a living laboratory where they can research and develop individually or with our team, new solutions towards a greener planet.

In addition, the KREA LAB has a separate and independent chemical testing laboratory, where materials can be tested, pushed to the limit and, of course, examined before and after their performance on our machines.

Our Swiss-made products are the perfect definition of our work on our path of innovation and quality. It is a living laboratory for our customers and universities where they can research and develop with us new solutions towards a greener planet.

Our Swiss made products are the perfect definition of our work on our path of innovation and quality, so with the opening of our new HQ, a state-of-the-art centre like this could not be missing to complement our company and also to give our R&D team an even greater opportunity to continue to innovate.

KREA LAB

The main goals of our new KREA LAB Center

- Advance our research activities into more sustainable technologies, processes, and materials.
- Provide a service to our customers so that they can develop their products in-house and develop different future projects in new and different directions.
- Continue to be the market reference in innovation and research of new technologies & solutions as we have been doing during the last 50 years

Be swisstainable



Finance Solutions

Expertise in project finance

We offer:

- Export finance know-how
- Long-lasting partnerships with Export Credit Agencies (ECA)
- Cooperation with approximately 100 international financial institutions
- Extensive market knowledge
- Tailor-made financing solutions

Lease Financing

- Close co-operation with international leasing companies
- Mid-term financing solutions in the local currency or in EUR, using favorable market situations
- Finance or operate lease, depending on the local legal environment



ECA-covered Buyer's Loan

- Making use of governmental programs promoting export trade (ECA-cover)
- Mid- and long term financing solutions in EUR or USD to profit from favorable interest rate levels
- The repayment starts after placement of the products on the market



ECA-covered Supplier's Loan

- Making use of governmental programs promoting export trade (ECA-cover)
- Short- and mid-term financing solutions all around the world
- Support for small and medium-sized enterprises by offering a EUR financing at favorable conditions



Covered Payment Terms

- Short term financing solutions
- Market knowledge and the co-operation with international credit insurance companies ensure favorable credit payment terms
- Additional collaterals are not required (only a positive credit check by our financing specialists)



We are the Brückner Group

Long-term thinking – the key to success

The Brückner Group has been family-owned since it was founded in 1960. This has shaped the group to the present day and is reflected in particular in its long-term strategic orientation – a significant success factor for our customers and ourselves in the past and for the future.

The Brückner Group members are market and technology leaders for machines, systems and services in their global niche markets. But we are also more than that: we provide solutions that make our customers successful. Brückner Maschinenbau, Brückner Servtec, Kiefel and PackSys Global form the foundations of the group. While exploiting their advantages, such as a strong worldwide presence, the transfer of technological expertise and their leading position in a globalised world, they act independently and can concentrate on their specific markets. This allows each company to focus on meeting its customers' individual requirements and on delivering complete customer satisfaction.

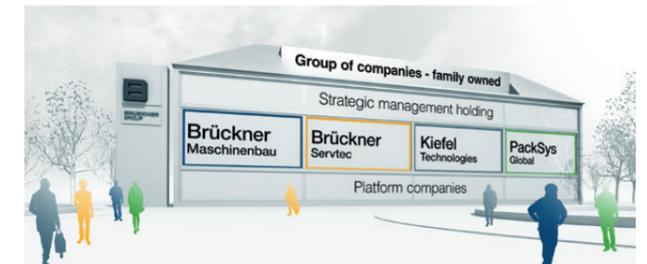
The group has more than 2,900 employees and over 21 locations in 14 countries worldwide. It is led by the strategic management holding, Brückner Group GmbH.



Dr. Axel von Wiedersperg
Managing Director/CEO

Maximilian Schneider
Managing Director/CFO

Brückner Group GmbH defines the group-wide long-term strategy and provides the individual companies with a strategic direction. It is also responsible for group merger and acquisition



activities. Besides setting standards and guidelines in order to ensure transparency and compliance, the management holding supports group members by providing a variety of central services as well as expertise in a number of specialist areas.

Financing scope



Financing term



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