



PACKAGING

FLEXIBILITY IS WHEN THE PACKAGING
ADAPTS TO THE GOODS AND NOT THE
OTHER WAY AROUND.

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As of: 2022

1874 Founded as a tannery

1959 Storopack Hans Reichenecker GmbH + Co. is founded; Production of technical molded parts made from Styropor®



72 locations

612 million Euros in revenue

2,310 employees



PERFECT PROTECTIVE PACKAGING

PERFECT PROTECTION MEANS BEING EQUIPPED FOR ANY SITUATION.

Storopack is a specialist in protective packaging. Our promise is to provide “Perfect Protective Packaging” to optimally protect every product while in transit. We think holistically, advising our customers on how to make the packaging process more efficient and, if desired, integrating tailored solutions. Our comprehensive range covers all of the requirements associated with optimal product protection. With 2,310 employees at certified production facilities and locations in 18 countries, we maintain a decentralized structure and are always in direct vicinity to our customers.

OUR STRENGTHS – YOUR ADVANTAGE:

- ▶ OWNER-MANAGED FAMILY COMPANY
- ▶ LOCAL CONTACTS
- ▶ INTERNATIONAL FOCUS
- ▶ RELIABILITY
- ▶ SERVICE AND CUSTOMIZED ADVICE
- ▶ HIGH PRODUCT DIVERSITY
- ▶ CONTINUOUS IMPROVEMENT OF PACKAGING PROCESSES
- ▶ PROCESS OPTIMIZATION
- ▶ COMPLETE SOLUTIONS ALL FROM A SINGLE SOURCE
- ▶ TURN-KEY SOLUTIONS WITH AUTOMATION PROCESSES

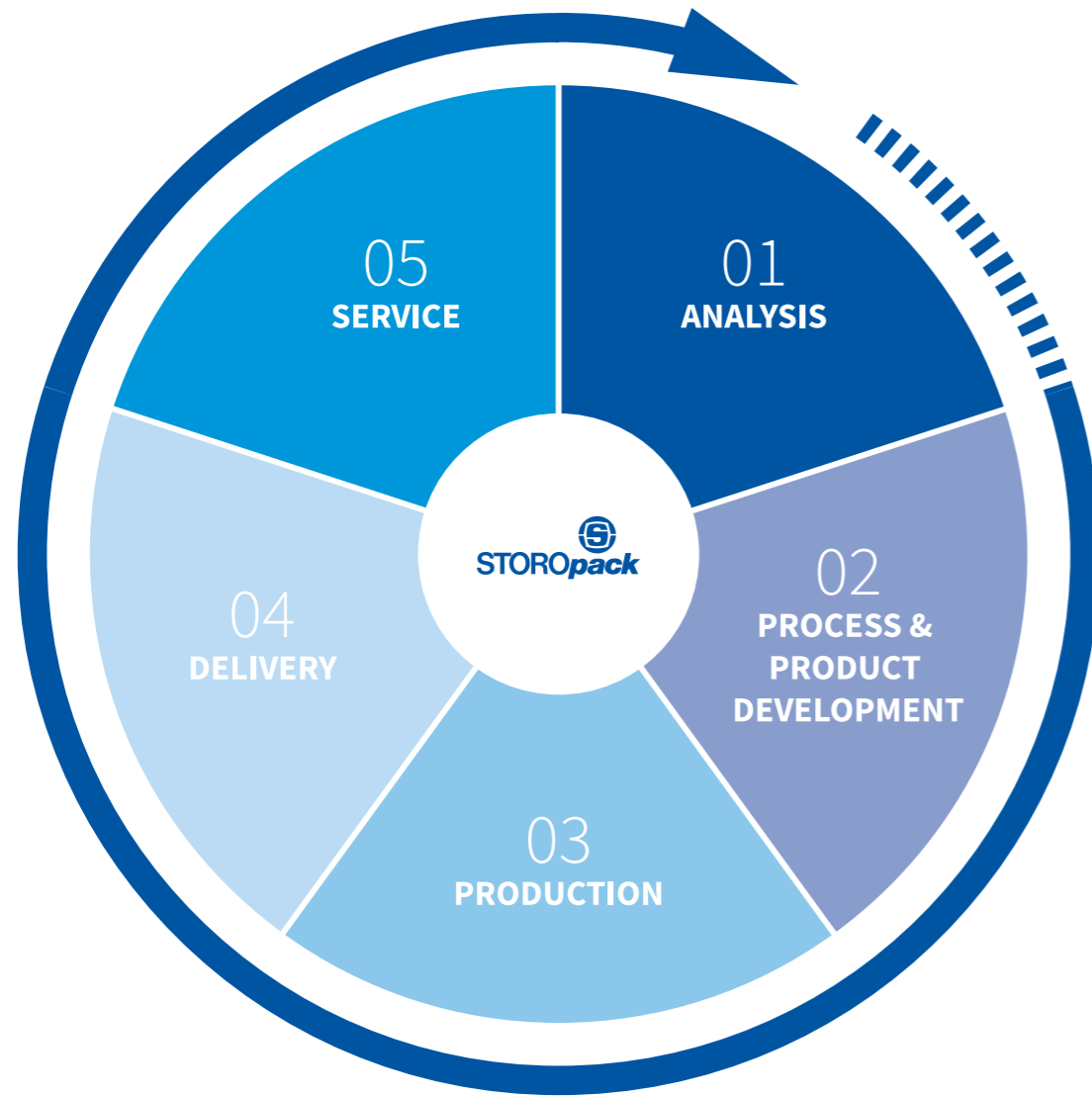
▶ **Storopack image film:** www.storopack.uk/perfect-protective-packaging

PACKAGING BROCHURE



CONSULTING AND SERVICE

SERVICE MEANS
FOCUSING ON CUSTOMERS'
REQUIREMENTS.



GOOD CONSULTING MEANS DEVELOPING TAILORED SOLUTIONS.

Five steps to optimal protective packaging and ergonomic procedures – in the Storopack process, we combine comprehensive consulting, technical expertise, and innovation in order to develop the right solution for you. We analyze the existing packaging and production processes and the current cost situation. On this basis, we ensure ergonomic workflows, optimal value for money,

and protective packaging, which can be integrated into your processes with ease. We can use components of our comprehensive portfolio or customize something new just for you. Thanks to our network of sites around the world, we manufacture in close proximity to you, deliver just in time, and are personally available at all times to assist you with our technical know-how.

▶ **The optimum packing process:** www.storopack.uk/optimum-packaging-process-video

WE AIM TO IMPROVE YOUR PROCESSES ON A CONTINUOUS BASIS.

A key component of our strategy to achieve perfect protective packaging is the four-dimensional model. We analyze all of the packaging steps for every Storopack process, from intralogistics to unpacking at the end customer's location.

This model forms the basis for tailored protective packaging solutions as well as our efforts to optimize your packing processes.

INTO-THE-BOX

How effective, efficient and ergonomic is your packing process?

IN-THE-BOX

How well are your products protected?



AROUND-THE-BOX

How well is your packing integrated into your intralogistics?

OUT-OF-THE-BOX

How are your customers' unboxing-experiences?

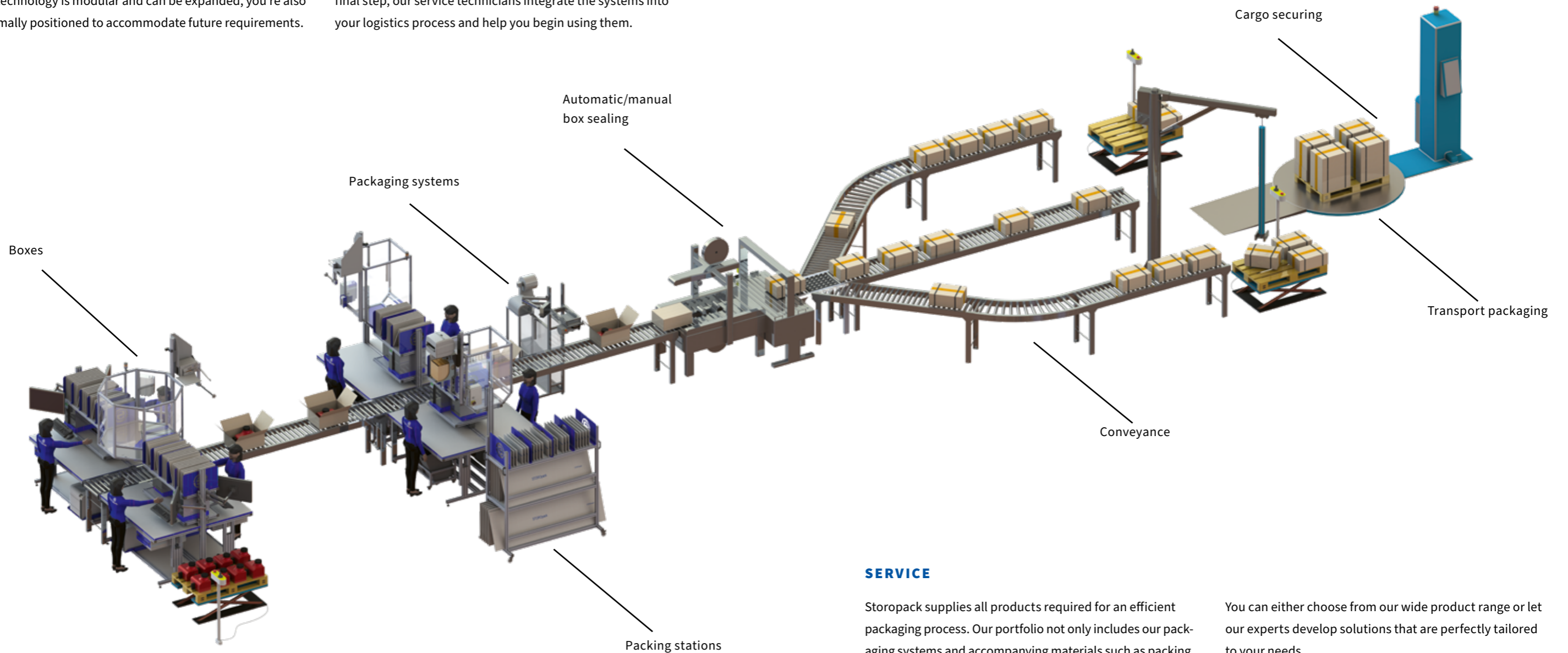
A SMOOTH PROCESS IS WHEN LOGISTICS AND PACKAGING ARE MATCHED TO EACH OTHER.

An optimal material flow ends with efficient packaging logistics. Our experts are there to ensure you benefit from streamlined procedures and maximum throughput. Our specialists will help you plan, install, and commission our conveyor technology solutions and will develop a concept based on your requirements and existing processes. Because our technology is modular and can be expanded, you're also optimally positioned to accommodate future requirements.

We offer everything from a single source to ensure Storopack can achieve the very best results for you: our engineers develop 3D renderings that illustrate with precision how the stations integrate into your existing systems and packing processes. Storopack specialists then manufacture your solutions at service centers in Europe and the US. In the final step, our service technicians integrate the systems into your logistics process and help you begin using them.

OUR CORE AREAS OF FOCUS

- ▶ ERGONOMIC PACKING
- ▶ PROTECTION AND CUSHIONING
- ▶ BOX SEALING
- ▶ CONVEYANCE AND TRANSPORTATION
- ▶ ERGONOMIC PALLETIZATION AND AUTOMATION



SERVICE

Storopack supplies all products required for an efficient packaging process. Our portfolio not only includes our packaging systems and accompanying materials such as packing paper, air cushion coils, and PE foam, but also spans boxes, constructive product packaging, pallets, cargo carriers, mailer bags, and packing tables.

You can either choose from our wide product range or let our experts develop solutions that are perfectly tailored to your needs.

Our offering is rounded off by just-in-time delivery, warehousing, order picking, a personal section of the website, and many other services.

🌐 Onlineshop: www.storopack-shop.de

Working Comfort® MEANS BEING MORE PRODUCTIVE WITH ERGONOMIC PACKAGING STATIONS.

Ergonomic workspaces and efficient operations solutions. Storopack help increase the productivity of your protective packaging process with Working Comfort®. Every unnecessary movement when packaging your products costs the packer time and energy. This can be avoided with the right processes and workstations. Our experts analyze your existing packaging processes and come up with the right solution, taking into account ergonomic aspects.

The focus here is on the efficiency of the processes and the well-being of your employees in equal measure: Unnecessary tasks are eliminated; all packaging material is always conveniently on hand for the packer at the workstations, which are designed in line with the Working Comfort® principle.

Working Comfort® LEADS TO

- ▶ INCREASED PRODUCTIVITY
- ▶ ELIMINATES FATIGUE
- ▶ WELL-BEING OF YOUR EMPLOYEES AT THE WORKSTATION IS INCREASED



Developed in line with the Working Comfort® principle: SMARTline Packing Station with PAPERplus® Track



For comfortable and ergonomic work: Working Comfort® solution with PAPERplus® Papillon

SMARTline Packing Stations FOCUS ON ERGONOMICS IN THE PACKAGING PROCESS.

The SMARTline Packing Stations are ergonomically designed according to the Working Comfort® principle. Unnecessary movements are avoided, as the packer always has all of the packaging materials conveniently to hand. The individually customised packing stations are ergonomically designed

and not only increase the productivity of your processes, but also the well-being of your employees. Thanks to the modular principle, the packing stations can be expanded at any time and thus tailored to your employee's individual needs and the requirements of your packing process.

THE BENEFITS OF THE SMARTline Packing Stations

- ▶ VERSTILE: COMPREHENSIVE SOLUTION FOR ALL OF Storopack's PACKAGING MATERIALS: AIRplus®, PAPERplus®, PAPERbubble®, FOAMplus®, AND LOOSE FILL
- ▶ SMART: SEAMLESS INTEGRATION INTO YOUR PACKING PROCESS
- ▶ ERGONOMICAL: DESIGNED IN ACCORDANCE WITH THE Working Comfort® PRINCIPLE
- ▶ FLEXIBLE: CAN BE EXPANDED AT ANY TIME THANKS TO THE MODULAR CONCEPT AND EXTENSIVE ACCESSORIES
- ▶ VISUALLY APPEALING: ELEGANT LOOKING ALUMINUM STRUCTURE

P

PACKAGING SYSTEMS

VARIETY IS OFFERING THE
APPROPRIATE PROTECTION
FOR EACH ITEM.





The sustainable packaging solution:
 PAPERplus® Classic, PAPERplus® Track white,
 PAPERplus® Chevron black and PAPERplus® Papillon yellow

PAPERplus® IS, RESOURCE-SAVING PACKAGING.

Whether filling voids, cushioning from impact shock or blocking and bracing goods against transport damage: Storopack's PAPERplus® paper cushioning offers all-around perfect protection for your packaged goods, whether they're small and fragile or bulky and heavy. Our product portfolio is just as diverse as the protective functions of PAPERplus®: Storopack offers a variety of paper cushioning systems that produce just the right packaging materials for every requirement and can be used individually or integrated into existing packaging processes.

They all have one thing in common: innovative shapes enable optimal cushioning and exceptional stability with limited use of materials and a lower pack weight. Storopack customers can also choose from various types of paper. And because PAPERplus® allows you to produce paper cushioning as required directly at the packing station, you can save valuable storage space, while sending your products on their way well protected.

THE BENEFITS OF PAPERplus®

- ▶ WIDE RANGE: INDIVIDUAL SOLUTIONS FROM A DIVERSE RANGE
- ▶ EFFICIENT: CREATING TECHNOLOGY FOR MAXIMUM MATERIAL UTILISATION
- ▶ RELIABLE: HIGH AVAILABILITY THROUGH PROVEN TECHNOLOGY
- ▶ ERGONOMICS: E. G. TOUCH PANELS, FOOT PEDALS AND NOISE REDUCTION
- ▶ IMAGE: PAPER HAS A FAVOURABLE IMAGE WITH END CUSTOMERS



PAPERplus® Classic²



PAPERplus® Track



PAPERplus® Chevron³



PAPERplus® Papillon

▶ **PAPERplus® product video:** www.storopack.com/paperplus-video

PAPERbubble® IS INNOVATIVE AND SUSTAINABLE PACKAGING.

PAPERbubble® offers Storopack customers an innovative and eco-friendly alternative to traditional air bubble film. The protective packaging uses paper in combination with air to reliably protect small to medium-sized goods during shipping. It is perfect for filling voids, wrapping and cushioning products from the cosmetics and pharmaceutical industries, electronic components, and generally for safely shipping any goods sold online.

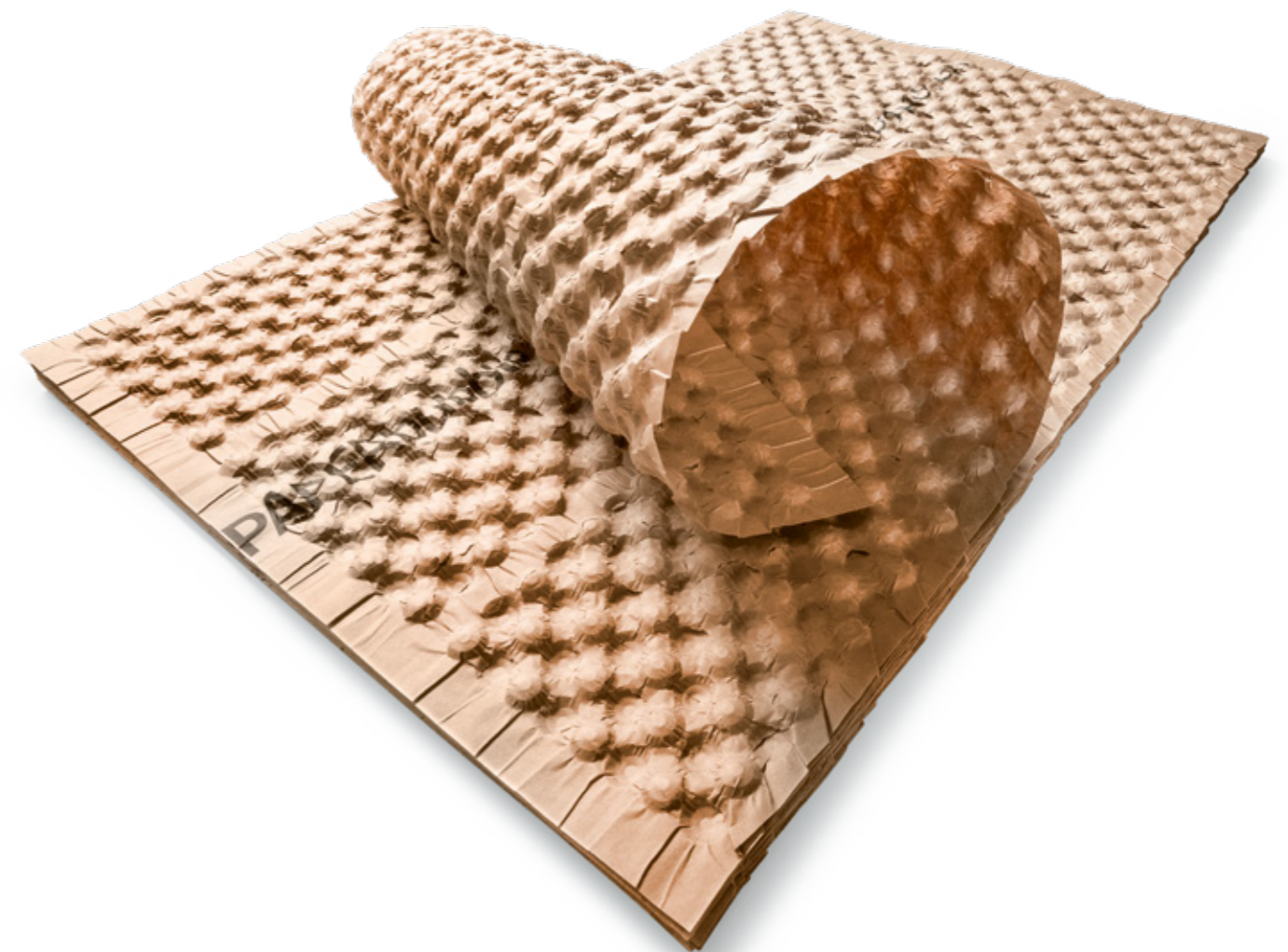
Because PAPERbubble® is 100% recyclable and made from renewable raw materials Storopack's paper sheets help reduce the use of primary raw materials and fossil resources. An added benefit is that PAPERbubble® gives products an elegant and unique appearance in the shipping carton, creating a positive and memorable unboxing experience for the end customer.

THE BENEFITS OF PAPERbubble®

- ▶ SUSTAINABLE: MADE FROM RENEWABLE RAW MATERIALS AND 100% RECYCLABLE, WHICH REDUCES THE USE OF PRIMARY RAW MATERIALS AND FOSSIL RESOURCES
- ▶ READY-TO-USE: PERFORATED PAPER SHEETS MEASURING 580 MM X 380 MM ALLOW FLEXIBILITY WHEN CHOOSING THE RIGHT AMOUNT OF PACKAGING
- ▶ ERGONOMICAL: SIMPLE AND COMFORTABLE REMOVAL OF THE PAPER CUSHIONS FROM THE BESPOKE BOX
- ▶ USER-FRIENDLY: ERGONOMIC AND USER-FRIENDLY PACKAGING UNIT
- ▶ ECONOMICAL: LOW INVESTMENT COSTS, AS PAPERbubble® DOES NOT REQUIRE A MACHINE SYSTEM
- ▶ UNIQUE: CREATES A POSITIVE AND MEMORABLE UNBOXING EXPERIENCE FOR THE END CUSTOMER



The ready-to-use solution for user-friendly packaging:
PAPERbubble® paper sheets in white or brown



▶ [PAPERbubble® product video: www.storopack.com/paperbubble-video](http://www.storopack.com/paperbubble-video)

AIRplus® IS PROTECTIVE PACKAGING, LIGHT AS A FEATHER.

Storopack's air pillows are the ideal solution for effectively protecting sensitive goods in transit from vibration, filling voids, and blocking and bracing products in the carton. The extensive range accommodates a whole host of applications with the product lines AIRplus® and AIRmove®. Our air pillow systems produce cushioning on-demand directly at the packing station – as individual machines for smaller requirements or as an integrated part of an existing packaging process.

This saves valuable storage space and perfectly adapts the packing process to meet on-site needs. Our range of air cushions consists of a variety of film types and cushioning shapes, ensuring all your products are perfectly protected. All films are produced in our own production facilities, require very little raw material, and offer exceptional mechanical characteristics.

THE BENEFITS OF AIRplus®

- ▶ ENVIRONMENTAL: AIRplus® FILM TYPES CAN BE RECYCLED AND AIRplus® BIO FILM IS COMPOSTABLE IN ACCORDANCE WITH DIN CERTCO EN 13432
- ▶ RELIABLE: CONSTANT FILM QUALITY FROM THE COMPANY'S OWN PRODUCTION
- ▶ DIVERSE: THERE IS AN AIR CUSHION TYPE FOR EVERY APPLICATION
- ▶ ECONOMICAL: REDUCTION IN RAW MATERIALS DUE TO MULTI-LAYER CO EXTRUSION
- ▶ DURABLE: EXCELLENT MECHANICAL PROPERTIES
- ▶ SAVES SPACE: ON-DEMAND SYSTEM FOR MINIMAL STORAGE
- ▶ INTEGRATES: COMPACT, USER-FRIENDLY DEVICES FOR KEY PACKING AREAS
- ▶ PRACTICAL DISPOSAL: ONE STEP AND ALL THAT REMAINS IS THE EMPTY FILM



The effective solution for sensitive goods:
AIRplus® Bubble Recycle, AIRplus® Wrap,
AIRplus® Cushion and AIRplus® Void 100% Recycled





The perfectly fitting solution directly at the packing station:
FOAMplus® Hand Packer² for direct dispensing and
FOAMplus® Bag Packer for tubes and bags

FOAMplus® IS HIGH-PRECISION PACKAGING, WITHIN SECONDS.

Storopack's FOAMplus® foam packaging is a high-quality protective packaging solution that adapts to the contours of the product and protects your goods against possible transit damage due to impact shock and vibration. Whether they're heavy, fragile or awkward shapes FOAMplus® offers the protection required for your product. Made from expanded polyurethane, the high-quality packaging foam is resistant, robust and thanks to it being light weight, reduces transport costs.

With the FOAMplus® foam dispensing systems, protective foam packaging can be produced directly at the packing

station and placed into the carton. As the foam expands it molds to the contours of the product and encapsulates it in a highly versatile packaging medium. FOAMplus® is available in a range of densities to suit a product's weight and fragility. FOAMplus®, polyurethane foam packaging is an 'on demand' packaging solution that, when the two components mix together, will expand up to 260 times their liquid volume negating the necessity for large storage area's required for pre-fabricated packaging.

THE BENEFITS OF FOAMplus®

- ▶ EFFECTIVE: EXTREMELY IMPACT-RESISTANT, HIGH CUSHIONING
- ▶ SUPERIOR FOAM QUALITY: EQUAL CUSHIONING WITH UP TO 40 PERCENT LESS MATERIAL USED THAN ALTERNATIVE FOAM PACKAGING SYSTEMS
- ▶ ROBUST: EFFECTIVE FOR VERY HEAVY ARTICLES OR ITEMS WITH SHARP EDGES
- ▶ INDIVIDUAL: ADAPTS TO THE CONTOURS OF THE PRODUCT DURING HARDENING
- ▶ UNIVERSAL: PROTECTS ARTICLES OF ALMOST ALL DIMENSIONS, SHAPES AND WEIGHTS
- ▶ VERSATILE: VOID FILL, BLOCK AND BRACE OR CUSHION AS REQUIRED



FOAMplus® Bag Packer²



FOAMplus® Hand Packer²



FOAMplus® Bag Packer³

Loose Fill IS RELIABLE ALL-AROUND CUSHIONING.

Storopack's Loose Fill offers safe, efficient, and versatile all-around protection for your shipping goods. It fills voids, effectively blocks and braces products inside the carton, and is exceptionally resistant to shocks and high pressure. Storopack customers can choose between packaging chips made from temperature and water-resistance EPS and from fully compostable plant starch.

All Loose Fill products are reusable, antistatic, pourable, and therefore ideal for automated packaging lines. Storopack has been producing Loose Fill itself since 1973 as one of the first suppliers in Europe.



The safe, efficient and versatile all-round protection:
PELASPAN® and PELASPAN® BIO

THE BENEFITS OF Loose Fill

- ▶ ECO-FRIENDLY: 100 % RECYCLABLE AND FOOD-SAFE, WITH A NEUTRAL IMPACT ON GROUNDWATER. Loose Fill MADE FROM VEGETABLE STARCH IS ALSO WATER-SOLUBLE AND COMPOSTABLE WITHOUT RESIDUE.
- ▶ RELIABLE: OUTSTANDING PROTECTION THANKS TO HIGHLY EFFECTIVE PADDING
- ▶ FLEXIBLE: SIMPLE TO USE AND SUITABLE FOR AUTOMATIC FILLING SYSTEMS
- ▶ AFFORDABLE: HIGHLY ECONOMICAL, WITH A LIGHT WEIGHT TO REDUCE TRANSPORT COSTS
- ▶ PRACTICAL: ANTISTATIC AND POURABLE
- ▶ SMOOTH: LOOSE FILL CAN BE INTEGRATED FULLY AUTOMATICALLY



 **PELASPAN® BIO product video:** www.storopack.com/pelaspn-bio-video



SUSTAINABILITY

SUSTAINABILITY MEANS
THINKING ABOUT TOMORROW,
TODAY.

REDUCE
REUSE
RECYCLE
RENEW



Sustainability encompasses many aspects. Whether environmental, economic, or social issues, the underlying principle is the same, i.e. to live in a way that enables future generations to have a life that is just as good as – or even better than – our own.

As a family-run company, we take these principles extremely seriously. That's why they guide our decisions and our day-to-day activities. We are conscious of our responsibilities to our employees, as well as to the environment and society.

PRODUCTS MADE FROM RENEWABLE RAW MATERIALS

New, more sustainable raw materials are a great way to protect the environment and natural resources. Therefore, our product-development experts are increasingly using suitable eco-friendly and sustainable materials for our products.

Our aim is to use as many bioplastics as possible, thus safeguarding resources while offering our customers the same outstanding packaging properties that they have come to expect from products made using conventional materials.

- ▶ PAPERplus® CLASSIC GRASS
- ▶ AIRplus® BIO
- ▶ PAPERplus® PAPER CUSHIONS
- ▶ PELASPAN® BIO
- ▶ PAPERbubble®



PRODUCTS MADE FROM RECYCLED RAW MATERIALS

Recycling is a continuous process when it comes to using materials as efficiently and sustainably as possible. Indeed, it is often possible to use leftover materials to make new protective packaging without compromising on vital properties.

Therefore, we already use recycled materials in a wide variety of packaging solutions – and work continuously to increase the share of these materials.

- ▶ AIRplus® 100% RECYCLED
- ▶ AIRplus® RECYCLE
- ▶ FOAMplus® 5504R
- ▶ PAPERplus® RECYCLING PAPER
- ▶ PELASPAN®



INTERNAL INITIATIVES

Acting sustainably begins long before we turn raw materials into our products. The equipment at our locations also plays a major role when it comes to protecting

resources. Therefore, we take various internal measures to optimize our carbon footprint and ensure efficient energy management.

COLLABORATIVE INITIATIVES

To boost sustainability in the use of plastics, we are involved in initiatives dedicated to combating plastic waste

such as Alliance to End Plastic Waste, Big Blue Ocean Cleanup, CEFLEX and Operation Clean Sweep.



 **More about sustainability:** www.storopack.uk/sustainability



Customer Case Studies

ARVATO – PAPERplus® Chevron MORE OUTPUT, LOWER COSTS

“Storopack was highly focused on the objective throughout the entire development process and worked with us to produce a packaging solution that meets our needs to our complete satisfaction.”

MARCUS ENGEL,
OPERATIONS MANAGER



Mail-order pharmacies deliver medication quickly and directly to customers' homes. One such company is BS Apotheken OHG, based in the Lower Saxony town of Bad Laer in Germany. BS Apotheken OHG required an efficient protective packaging solution to enable it to dispatch orders of medical and cosmetic products to a total of around 1.6 million customers. In conjunction with BS Apotheken OHG and the external operator of the logistics center, arvato, Storopack developed an individual solution: PAPERplus® Chevron padding is produced fully automatically and the machine is integrated by means of a driven roller conveyor system. When paper padding is required to secure a packaged product firmly in place, PAPERplus® Chevron produces it directly in the box. The box is then sealed and labelled.

With the fully automated packaging line the packages are quickly ready for shipping and the medical and cosmetic products are perfectly padded and secured in place within the box. Packaging performance is between 10 and 12 boxes per minute. Thanks to full automation the packaging process runs continuously without any breaks, allowing approximately 10,000 boxes to leave the logistics center daily.

▶ **Video:** www.storopack.com/arvato



The company Esterline Connection Technologies – SOURIAU – SUNBANK in France designs, manufactures and markets interconnection solutions for severe environments. With an integrated distribution line consisting of four height-adjustable SMARTline packing stations and a strapping machine a maximum of 700 packages a day are shipped. The packaging material – AIRplus® Void air pillows – is stored in a central silo that makes it easily accessible for all packers.

▶ **Video:** www.storopack.com/souriau-video



Customer Case Studies

SOURIAU – AIRplus® 40 PERCENT MORE PRODUCTIVE





If you would like to obtain additional information or speak to us directly, please feel free to get in touch with us.

We at Storopack are happy to help.

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