



PACKAGING

**AIRplus**® TRANSFORMS  
AIR INTO LIGHTWEIGHT AND RELIABLE  
PROTECTIVE PACKAGING.

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**1874**

Founded as a tannery

**1959**

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

As of: 2021

**70** locations

**564** million Euro in revenue

**2,490** 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 2,490 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.com/perfect-protective-packaging](http://www.storopack.com/perfect-protective-packaging)

AIRplus® BROCHURE

# AIR CUSHIONS ARE PROTECTIVE PACKAGING, LIGHT AS A FEATHER.

Light and reliably shock-resistant, Storopack's AIRplus® air pillows are the optimal protective packaging for sensitive products. A variety of pillow shapes can be produced as required directly at the packing station, therefore saving valuable storage space. All AIRplus® machine types can be integrated into existing packing processes – including in combination with automated packing lines and storage containers at the packing station. The range includes four different film types: Prepackaged products can be ideally

blocked and braced in the carton with AIRplus® Void, as the large air pillows optimally fill the void. Smaller and medium-sized AIRplus® Cushion and AIRplus® Bubble air pillows are exceptionally flexible, and can be used to cushion, block and brace, and wrap sensitive products. Thanks to its innovative, diamond-shaped structure, AIRplus® Wrap is the ideal substitute for traditional bubble wrapping. Delicate products can be wrapped tightly with these air pillows and are thereby optimally protected.

## THE BENEFITS OF AIRplus®

- ▶ RELIABLE: CONSISTENT FILM QUALITY FROM THE COMPANY'S OWN PRODUCTION
- ▶ DIVERSE: A VARIETY OF DIFFERENT AIR CUSHIONS FOR EVERY APPLICATION
- ▶ EFFICIENT: UTILIZE AIRplus® TO REDUCE SHIPPING WEIGHT
- ▶ ECONOMICAL: AIR CUSHIONS CONSIST OF 99% AIR AND 1% FILM
- ▶ DURABLE: AIR CUSHIONS WON'T PUNCTURE DUE TO MULTI-LAYER CO EXTRUSION
- ▶ ENVIRONMENTAL: AIRplus® FILM TYPES CAN BE RECYCLED AND AIRplus® BIO FILM IS COMPOSTABLE IN ACCORDANCE WITH DIN EN 13432
- ▶ SAVES SPACE: ON-DEMAND SYSTEM FOR MINIMAL STORAGE
- ▶ INTEGRATABLE: COMPACT, USER-FRIENDLY DEVICES FOR KEY PACKING AREAS
- ▶ PRACTICAL DISPOSAL: ONE CUT AND EASY TO RECYCLE

▶ **AIRplus® product video:** [www.storopack.com/airplus-video](http://www.storopack.com/airplus-video)



AIRplus® Void



AIRplus® Cushion



AIRplus® Bubble



AIRplus® Wrap

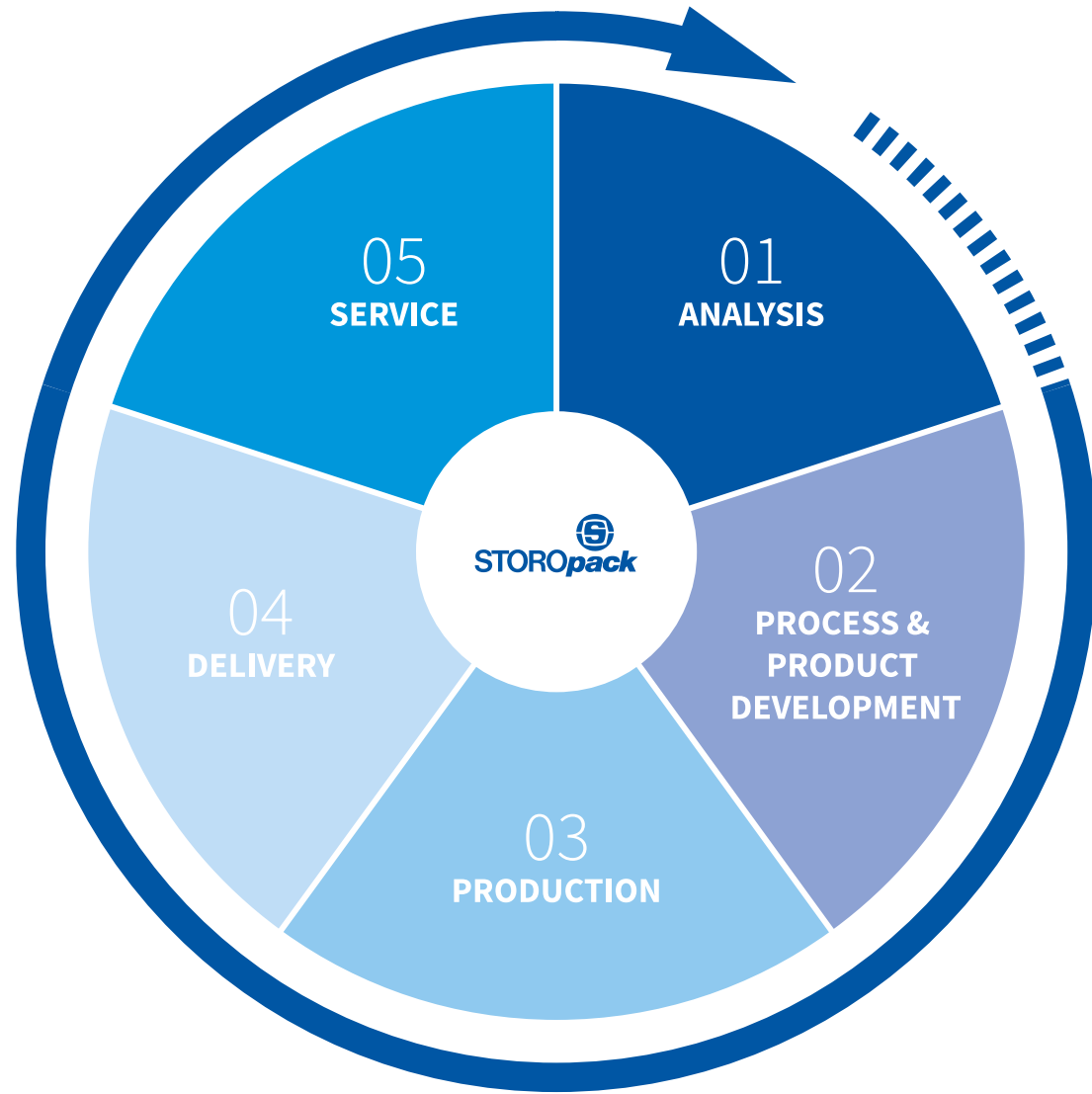


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CONSULTING AND SERVICE



**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.com/optimum-packaging-process-video](http://www.storopack.com/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.

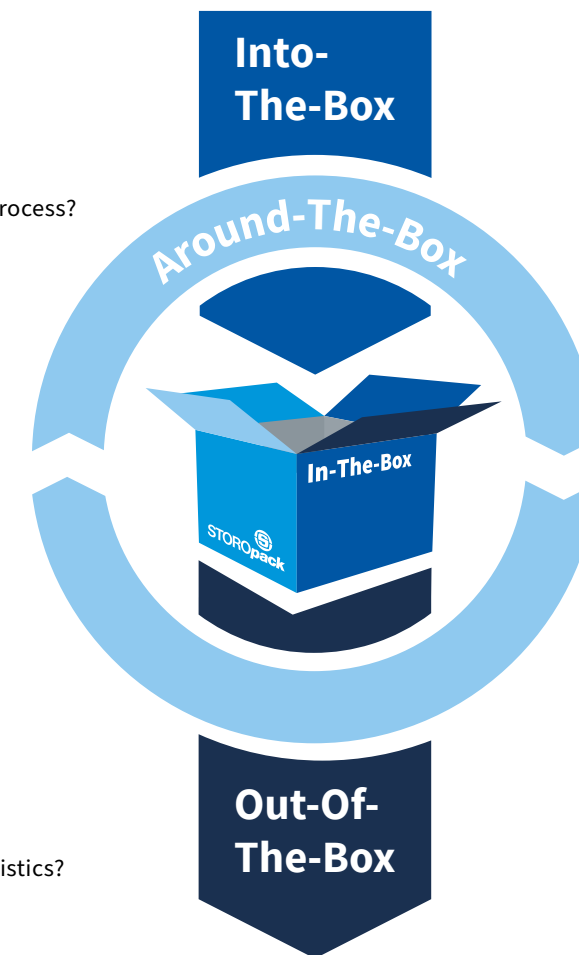
This model forms the basis for tailored protective packaging solutions as well as our efforts to optimize your packing processes.

**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?

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

Ergonomic workspaces and efficient operations solutions. Storopack increases 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.

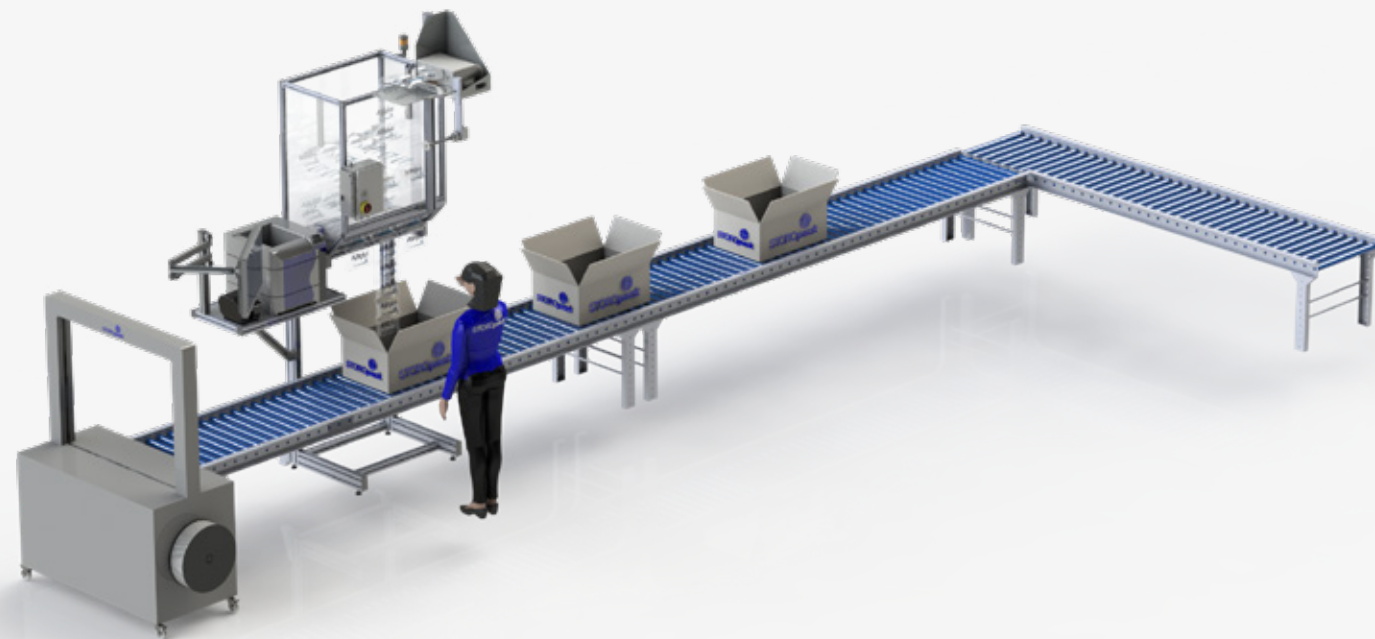
### Working Comfort® LEADS TO

- ▶ INCREASED PRODUCTIVITY
- ▶ REDUCE WORKER FATIGUE
- ▶ INCREASE EMPLOYEE MORALE AT THE WORK STATION

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



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



For comfortable and ergonomic work:  
Working Comfort® solution with AIRplus®

## 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 on hand. The individually customized packing stations are ergonomically designed not only to

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

- ▶ VERSATILE: COMPREHENSIVE SOLUTION FOR ALL OF Storopack's PACKAGING MATERIALS: AIRplus®, PAPERplus®, FOAMplus®, AND LOOSE FILL
- ▶ SMART: SEAMLESS INTEGRATION INTO YOUR PACKING PROCESS
- ▶ ERGONOMICAL: DESIGNED IN ACCORDANCE WITH THE Working Comfort® PRINCIPLE
- ▶ FLEXIBLE: MODULAR CONCEPT AND ADAPTIVE ACCESSORIES
- ▶ VISUALLY APPEALING: CLEAN AND AESTHETIC LOOK



## AIRplus® ERGOFEEED AND DISPENSER IS INCREASED PRODUCTIVITY WITH ON-DEMAND DISPENSING.

The AIRplus® Dispenser system and AIRplus® Ergofeed system centralize the process of filling boxes with air cushions. The compact systems represent the ideal solution for quickly and efficiently filling voids, cushioning and blocking and bracing transport goods in the cardboard box. The result is a much faster packing process, reduced space

requirements, and higher productivity as a whole. In combination with the AIRplus® cushion dispensing systems the PAKLINK® software calculates the number of air cushions each package requires. That way PAKLINK® controls the quantity of padding material provided by Storopack's AIRplus® Dispenser or Ergofeed.

### OUR SYSTEMS BENEFITS

- ▶ COMPACT SYSTEMS FOR OPTIMAL USE OF SPACE
- ▶ EFFICIENT PACKING PROCESSES
- ▶ INCREASED PRODUCTIVITY AND HIGHER DEGREE OF AUTOMATION
- ▶ USER-FRIENDLY OPERATION GUARANTEES ERGONOMIC WORK

### AIRplus® Ergofeed

- ▶ AUTOMATICALLY DISPENSES AND DETACHES AIR CUSHIONS
- ▶ AIR CUSHIONS AT THE PRESS OF A BUTTON OR ON DEMAND
- ▶ PROCESSES DIFFERENT AIR CUSHION VARIATIONS: AIRplus® Bubble, AIRplus® Wrap, AND AIRplus® Cushion
- ▶ AVAILABLE AS LIFT OR CONTAINER SYSTEM FOR TAILORED INTEGRATION
- ▶ AVAILABLE IN TWO VARIATIONS: ADVANCED AND PREMIUM
- ▶ PRACTICAL ACCESSORIES FOR INDIVIDUAL SYSTEM CONTROL



▶ [AIRplus® Ergofeed product video:](http://www.storopack.com/ergofeed)  
www.storopack.com/ergofeed



▶ [AIRplus® Dispenser product video:](http://www.storopack.com/dispenser)  
www.storopack.com/dispenser

### AIRplus® Dispenser

- ▶ AIR CUSHIONS AT THE PRESS OF A BUTTON OR ON DEMAND
- ▶ OFFERS THE OPTIMAL SOLUTION FOR EVERY APPLICATION
- ▶ PROCESSES AIRplus® Void AIR CUSHIONS WITH VARYING DIMENSIONS
- ▶ AVAILABLE IN THREE VARIATIONS: BASIC, ADVANCED, AND PREMIUM
- ▶ PRACTICAL ACCESSORIES FOR INDIVIDUAL SYSTEM CONTROL

### PAKLINK®

- ▶ AUTOMATION OF PACKING PROCESSES
- ▶ CALCULATION OF PACKING MATERIAL QUANTITY VIA BAR CODE
- ▶ INCREASED PACKAGING QUALITY
- ▶ COST CONTROL THROUGH PROCESS OPTIMIZATION
- ▶ WORKS WITH STOROPACK'S AIRplus® Dispenser AND Ergofeed

▶ [PAKLINK® product video:](http://www.storopack.com/paklink)  
www.storopack.com/paklink



# F

FILM TYPES

**VARIETY IS**  
OFFERING THE APPROPRIATE  
PROTECTION FOR EACH ITEM.





# AIRplus® FILMS ARE AS VARIABLE AS THEIR APPLICATION.

Tailored solutions are important, which is why Storopack offers several film varieties. The know-how, development, expertise and the practical experience means constant quality, delivery, security and progress through innovation.

All films are produced in our own production facilities in Germany or the US, require very little raw material, and offer exceptional mechanical characteristics.

## AVAILABLE FILM TYPES:



### AIRplus®

- ▶ CO-EXTRUDED FILM FOR EXTRA DURABILITY AND RELIABILITY
- ▶ CANNOT BE EASILY PUNCTURED BY SHARP OBJECTS, CORNERS OR EDGES
- ▶ AVAILABLE AS VOID, CUSHION, BUBBLE OR WRAP FILM



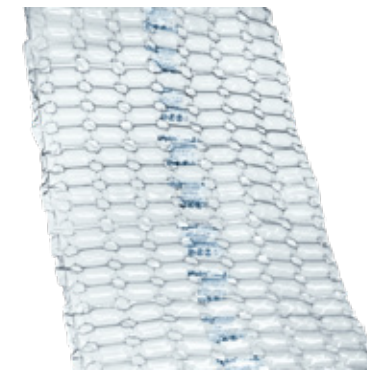
### AIRplus® RECYCLE

- ▶ MADE FROM AT LEAST 50 PERCENT RECYCLED MATERIALS
- ▶ SUITABLE FOR LIGHT TO MEDIUM WEIGHT PRODUCTS
- ▶ AVAILABLE AS VOID FILM



### AIRplus® 100 % RECYCLED

- ▶ ENTIRELY MADE OF POST-CONSUMER AND POST-INDUSTRIAL RECYCLED MATERIAL
- ▶ REDUCES CO<sub>2</sub> EMISSIONS AND WATER CONSUMPTION COMPARED TO VIRGIN MATERIAL
- ▶ CAN BE RECYCLED OVER AND OVER AGAIN
- ▶ AVAILABLE AS VOID FILM



### AIRplus® Heavy

- ▶ EXCEPTIONAL MECHANICAL STRENGTH PROPERTIES AND PUNCTURE RESISTANCE
- ▶ OXYGEN BARRIER FOR AIR CONTAINMENT FOR LONG PERIODS OF TIME
- ▶ IDEAL TO USE IN STORAGE APPLICATIONS - PACK YOUR PRODUCTS DURING INBOUND INSTEAD OF OUTBOUND
- ▶ HIGH FILM TRANSPARENCY
- ▶ AVAILABLE AS CUSHION, BUBBLE OR WRAP FILM



### AIRplus® ESD

- ▶ ELECTROSTATIC DISSIPATING FILM
- ▶ FOR THE PROTECTIVE PACKAGING OF ELECTRONIC COMPONENTS
- ▶ COMPLIES WITH DIN EN 61340-5-1
- ▶ AVAILABLE AS VOID FILM



### AIRplus® BIO

- ▶ MADE PARTLY FROM RENEWABLE RESOURCES SUCH AS POLYLACTIC ACID
- ▶ FULLY INDUSTRIALLY COMPOSTABLE AND CERTIFIED IN ACCORDANCE WITH EN 13432 AND ASTM D6400
- ▶ EXCEPTIONALLY STABLE, ELASTIC, AIRTIGHT, AND LIGHTWEIGHT
- ▶ AVAILABLE AS VOID FILM

## AIRplus® FOR A UNIQUE UNBOXING EXPERIENCE

Shipping goods must be packaged securely so that they arrive fully intact. But what is the unboxing experience like for your customers when they have the box containing their products in front of them? Effective and efficient product protection is at the heart of the Storopack “out-of-the-box” principle. But there is so much more to a positive unboxing

experience. Storopack offers its packaging materials in a variety of versions to enable you to showcase your products elegantly, impressively, and create a “feel good” sensation about your product and brand. AIRplus® air pillows come in a range of different colors – and can also be printed with your logo or a personalized message.

▶ **Unboxing experience video:**  
[www.storopack.com/unboxing-experience-video](http://www.storopack.com/unboxing-experience-video)



## AIRplus® Void IS THE IDEAL PROTECTIVE PACKAGING FOR PREPACKAGED PRODUCTS.

AIRplus® Void air cushions are perfect for quickly and economically filling void in one simple step. The goods are optimally secured in the box with this protective packaging.

This type of air cushion is the ideal solution for pre-packed products, or goods at little or no risk of breaking.



AIRplus® Void for void fill and block and brace applications



AIRplus® Cushion for void fill, cushioning and block and brace applications

## AIRplus® Cushion OFFERS PERFECT PADDING FOR THE IDEAL PROTECTIVE PACKAGING.

AIRplus® Cushion is the perfect solution for padding and securely blocking and bracing products in the shipping box. The padding length is separated to the desired measurement at the perforations between each film

section. The smaller or more contoured the objects are, the more flexible the padding length has to be, which is why several different versions are available.

## AIRplus® Bubble OFFERS FLEXIBLE FITTING PROTECTION FOR DELICATE PRODUCTS.

Anyone who wraps sensitive products in AIRplus® Bubble air cushions guarantee all-round protection. The items are ideally cushioned and cannot be scratched or

damaged. The on-demand solution is an efficient alternative to conventional bubble wrapping.



AIRplus® Bubble for void fill and wrapping applications



AIRplus® Wrap for wrapping applications

## AIRplus® Wrap IS THE SPACE-SAVING SUBSTITUTE FOR TRADITIONAL BUBBLE WRAPPING.

AIRplus® Wrap air cushions is an efficient alternative to conventional bubble wrapping. There is no more messing around at the packing station: Our AIRplus® air cushions provide product protection at the touch of a button. A com-

compact machine with a film roll replaces the more commonly available rolls of air cushion film, which are large and cumbersome. This saves storage space and reduces handling costs.

# AIRplus® IS THE OPTIMAL SOLUTION FOR SMALL SPACES AND INTEGRATED APPLICATIONS.

Our AIRplus® machines are quick, compact and always ready for use. Due to their compact size they are portable and can be flexibly integrated into existing packing processes – including in combination with automated packing lines and storage containers at the packing station.

Thanks to sophisticated technology the AIRplus® machines offer on demand air pillows and energy-efficient operation. The air filling and speed are variable. The intuitive operating system makes changing film rolls easy and fast.

## THE BENEFITS OF AIRplus® MACHINES

- ▶ SMALL: REQUIRES ONLY A SMALL FOOTPRINT, IS LIGHT AND CAN BE HAND-CARRIED
- ▶ SAVES ELECTRICITY: ENERGY-EFFICIENT OPERATION
- ▶ INTEGRATABLE: EASY INTEGRATION WITH MULTIPLE SETUPS EVEN INTO EXISTING PACKING PROCESSES
- ▶ VARIABLE: AIR FILLING AND SPEED ADJUSTABLE
- ▶ USER-FRIENDLY: INTUITIVE OPERATING SYSTEM



Ideal for tight spaces:

AIRplus® Mini Void, AIRplus® Mini Cushion and  
AIRplus® Mini XW





## 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. 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.

We also participate in initiatives that fight plastic waste like the Alliance to End Plastic Waste, Big Blue Ocean Cleanup, CEFLEX and Operation Clean Sweep.



### AIRplus® RECYCLE

- ▶ MADE FROM AT LEAST 50 PERCENT RECYCLED MATERIALS
- ▶ CAN BE RECYCLED AGAIN

### AIRplus® 100 % RECYCLED

- ▶ ENTIRELY MADE OF POST-CONSUMER AND POST-INDUSTRIAL RECYCLED MATERIAL
- ▶ REDUCES CO<sub>2</sub> EMISSIONS AND WATER CONSUMPTION
- ▶ CAN BE RECYCLED OVER AND OVER AGAIN



### REDUCE

- ▶ THE POLYETHYLENE FILM OF AIRplus® CONTAINS RECYCLED MATERIALS
- ▶ THE LOW WEIGHT OF AIRplus® PROTECTIVE PACKAGING LEADS TO FUEL SAVINGS DURING TRANSPORT.

### REUSE

- ▶ DUE TO THE EXCEPTIONAL QUALITY OF AIRplus®, THE AIR CUSHION CAN BE USED MULTIPLE TIMES.

### RECYCLE

- ▶ AIRplus® FILM IS FULLY RECYCLABLE. EXISTING RECYCLING CYCLES CONTRIBUTE TO THE REDUCTION IN THE USE OF PRIMARY RAW MATERIALS.

### RENEW

- ▶ AIRplus® BIO FILM CONSISTS OF A BIOLOGICALLY DEGRADABLE PLASTIC CALLED POLYLACTIC ACID (PLA) WHICH IS A THERMOPLASTIC COPOLYESTER DERIVED FROM RENEWABLE RESOURCES.

 **More about Sustainability:** [www.storopack.us/sustainability](http://www.storopack.us/sustainability)



Customer Case Studies

# CD GROUP - AIRplus® MORE EFFICIENT PROCESSES ALONG WITH PRODUCT DIVERSITY

„Our customers like to have different protective packaging options and often place importance on sustainability. Storopack has just the right products, from films featuring a high percentage of recycled materials to compostable solutions.“

GUIA D'ACQUISTO,  
COMPANY'S DIRECTOR

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](http://www.storopack.com/souriau-video)



CD Group is the right choice in Italy when it comes to storing, packaging, and shipping a variety of products: Difarco, Phardis, Stock House Italia Logistic and Phardis Life, four companies within the group, manage goods ranging from clothes to cosmetics and pharmaceuticals. The volumes involved are impressive: the company processes 16,000 orders daily at six locations and looks after 190 brands. Storopack has been helping the service provider for a few years now, ensuring that their shipping goods reach the customer perfectly protected. In order to keep up in the ever-changing market of e-commerce, CD Group has to be able to provide a flexible, customizable and especially fast service to its customers. To improve its competitiveness CD Group wanted to modernize their packaging system and asked Storopack to provide customized solutions to make this happen. As needs vary AIRplus® and PAPERplus® machines are the solutions of choice. At the location in Calvenzano, one packing station has been equipped with three silos and another one with two silos for AIRplus® air pillows. Thanks to the silos the box closing process is now faster, simpler and more effective. At another location, CD Group uses PAPERplus® Papillon machines tables with wheels. Difarco also sets great store in sustainable solutions that is why AIRplus® Void Recycle a film made from 50% recycled material, AIRplus® Bio a compostable film are now used.

▶ **Video:** [www.storopack.com/cd-group](http://www.storopack.com/cd-group)



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. At Storopack we are happy to help.

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