

AIRplus[®] by **STOROpack**

... pack with air



STOROpack

AIRplus[®] for ultimate p

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packaging performance

Storopack is a leading manufacturer and service provider in the fields of protective and transport packaging, as well as molded parts made of expanded foams. The sales of the worldwide operating group of companies with headquarters in Metzingen (Germany) are generated by the three divisions Molding, Packaging and Logistics.

The Packaging Division specialises in the “interior cushioning” market and covers the customised integration of complete packing lines for flowable cushioning materials (loose fill), air cushions (AIRplus®), paper padding (PAPERplus®), and foam packaging systems (FOAMplus®).

The film makes the difference.

AIRplus® from Storopack offers quality machines that create versatile air-filled film packing materials. AIRplus® films combine reliable protection and multiple uses with cost-saving features for the ideal in-the-box packaging products. Their lightweight properties lower shipping costs, and because you're creating the inflated packing materials on-demand they require minimal storage space and handling in your facility. Using AIRplus®, your packaging will be consistent and controlled. You'll appreciate the low labor requirements and ease of production as well as its clean, dust-free characteristics.

Effective. Easy. Low-cost.

- AIRplus® is effective. Its strength and durability offer reliable protection for your products.
- AIRplus® cuts costs. Saves storage expense plus the light weight keeps your shipping costs down.
- AIRplus® is flexible. Pick the machines and the films to meet your requirements. All films can be used on all machines.
- AIRplus® is easy. The rolls of film are light and easy to handle. The machines are easy to operate, fast and reliable.
- AIRplus® offers environmental benefits. It's reusable and the film is recyclable.
- AIRplus® is versatile. Machines are compact and portable allowing them to integrate easily into your packaging area.

Which film for which packaging application?

This convenient guide is shown throughout our catalogue to help you choose the right AIRplus® product. The functions highlighted on the side of the box ensure you're getting the product that will meet your packaging needs.

Protective Packaging Guide

by STOROPACK



Cushion:

Absorbs shock.
Protects products.

Block and Brace:

Holds heavy items or single objects in place inside the box.

Void-fill:

Fills empty space and keeps products from rattling in the box.

Wrap:

Covers product surfaces to avoid contact damage and provides optimal protection against scuffing and scratching.

AIRplus® Void Film

Your advantages:



- Fast and neat production
- Available in multiple sizes
- Individual print available
- Runs on all AIRplus® machines



The functions:

- ✓ Cushion
- ✓ Void-Fill
- ✓ Block & Brace

AIRplus® Void Film is created using a triple layer extruded film process to provide durability and reliability. The outer layer provides a non-slip surface to prevent movement in the box, the middle layer helps to hold the air and offers reinforced strength, and the inner layer provides special heat-sealing properties to prevent deflation. AIRplus® Void Film serves as a fast and neat void-fill, a durable block and brace product, and a reliable cushioning material for light- to medium- weight objects.



AIRplus® Void Film protects the books through cushioning.



AIRplus® for the fast and secure void-fill.



AIRplus® Void Film block and brace varying products such as books, in a simple way.

The right film type for your application:

film type	roll width in mm	pillow size in mm	roll length in meters
Void - Film	200 mm	65 mm	900 m
Void - Film	200 mm	120 mm	900 m
Void - Film	200 mm	175 mm	900 m
Void - Film	400 mm	135 mm	450 m
BIO Void - Film *	200 mm	100 mm	535 m
BIO Void - Film *	200 mm	200 mm	535 m

Other sizes are available on request.

* The AIRplus® BIO film is one of the few compostable films on the market and is certified according to international standards. For the EU: DIN Certco EN 13432, for the USA: ASTM D 6400.

AIRplus® Cushion Film

Your advantages:



2 pocket

4 pocket

16 pocket

20 pocket

- Bend, fold and wrap around products
- Provides bubble on-demand
- Versatile multi-use product
- Fast and easy to use
- Runs on all AIRplus® machines



The functions:

- ✓ Cushion
- ✓ Void-Fill
- ✓ Block & Brace
- ✓ Wrap

AIRplus® Cushion Film is an extremely versatile and durable packing product made with the same triple layer film process as Void Film air pillows. Each perforated section of AIRplus® Cushion Film is divided into 16 air chambers making it flexible enough to wrap, bend and fold the film around products for multiple uses and optimum protection.



AIRplus® Cushion Film protects the goods through cushioning.



AIRplus® Cushion Film acts as void fill to protect expensive consumer packaging.



AIRplus® Cushion Film is rolled and positioned around this DVD player giving block and brace protection.



Protect unpackaged china by looping AIRplus® Cushion Film around and between the plates for cushioning.

The right film for your application:

film type	roll width in mm	pillow size in mm	roll length in meters
Cushion Film - 2 pocket	400 mm	150 mm	450 m
Cushion Film - 4 pocket	400 mm	150 mm	450 m
Cushion Film - 16 pocket	400 mm	250 mm	450 m
Cushion Film - 20 pocket	400 mm	250 mm	450 m

Other sizes are available on request.

AIRplus[®] machines

Your advantages:

- Portable
- Integrates easily into single or multiple packing stations
- Run any AIRplus[®] film product on any machine
- Adjust air fill for specific packing requirements
- Easy to load and operate

Fast, Efficient Production

Storopack AIRplus[®] machines are fast, compact, portable and extremely easy to operate. All AIRplus[®] models are completely programmable, offer quick and easy loading, and are among the most reliably built in the industry. With their small footprints and large production capacities they fit easily into any packaging environment — regardless of volumes. In addition, AIRplus[®] offers optimum flexibility with multiple packaging options since you can interchange any of our AIRplus[®] films on any AIRplus[®] machine and adjust the amount of air in the film materials for different applications.

AIRplus[®] GTI

The AIRplus[®] GTI produces air-filled packaging materials at the rate of 23 m/minute. The high speed of this machine combined with the flexibility to use multiple size air bags makes it an efficient and effective choice for start and stop operations. Available in two models—one for smaller film rolls and one for larger rolls—both with a compact footprint that allows for the best use of your work space.

Specifications for 200mm rolls

Size:	330 x 510 x 400 mm
Weight:	11 kg
Power:	95-250 V (AC)
Speed:	23 m per minute
Air supply:	ambient air

Specifications for 300mm and 400mm rolls

Size:	330 x 510 x 540 mm
Weight:	11 kg
Power:	95-250 V (AC)
Speed:	23 m per minute
Air supply:	ambient air



AIRplus® Mini

AIRplus® Mini is a smaller version of the AIRplus® Excel. In addition to improved handling when changing film rolls, the Mini machine offers a technical innovation -- a complete heat-sealing unit with automatic calibration for sealing the air cushions. This compact and very quiet machine has a weight of only 7 kg and can be easily integrated into all packaging processes.

Specifications Mini

Size:	483 x 406 x 483 mm
Weight:	9 kg
Power:	95-250 V (AC)
Speed:	6 m per minute
Air Supply:	ambient air



Specifications Mini-C

Size:	483 x 406 x 483 mm
Weight:	9 kg
Power:	95-250 V (AC)
Speed:	6 m per minute
Air Supply:	ambient air



AIRplus® BagSeparator

The AIRplus® BagSeparator already divides the padding strips into sections of the desired length. The BagSeparator makes it possible to supply a sensor-controlled machine with up to 24 packaging stations with air cushions. The packers only have to separate individual air cushions in about five per cent of cases. In practical tests, up to ten cartons per minute were processed using this partial automation.

Specifications

Size:	370 x 700 x 790 mm
Weight:	39 kg
Power:	95-250 V (AC)
Speed:	10,5 m per minute
Air Supply:	ambient air



AIRplus[®] machines

AIRplus[®] Coiler

The AIRplus[®] Cushion Film Coiler forms large rolls of AIRplus[®] Cushion Film on-demand reducing supply handling and storage requirements.



AIRplus[®] Autofeed

The AIRplus[®] Auto Feed attachment automatically maintains a supply of air pillows and Cushion Film ready for application by the operator.



AIRplus® Integrations

Your advantages:

- **working comfort; Optimisation of ergonomics at the work place. Increase productivity while reducing the fatigue of employees.**
- **the machines are light, compact and portable**
- **individually trained packaging technicians**
- **low maintenance costs**
- **simple operation**

Storopack AIRplus® machines are compact and portable enough to integrate into any packaging environment. AIRplus® packing materials can be produced on-demand or produced in batches and fed to packing stations through a Storopack designed dispensing system.

Storopack's Systems Integration Department works closely with you to develop a plan that provides the most efficient methods to deliver and use your packing materials. First they carefully analyse your workflow, current process and facility. Their analysis includes consideration of details such as:

- Ergonomics for working comfort
- Pre-produced materials vs. on-demand production
- Ease of handling
- Speed and ease of supply material loading
- Maximum use of facility space
- Accessibility for machine maintenance
- Environmental issues
- Consideration of plans for future changes ...and more

After a thorough analysis our engineers go to work to develop a proposal that effectively integrates the new machines into your existing facility or, if appropriate, a completely new layout of your packaging area. Our proposal is sent to you with drawings showing a clear picture of where and how the machines will be integrated into your facility so you'll be able to judge the added value of your investment. Once we receive your approval, Storopack will deliver and install your new systems within 6 to 8 weeks.

AIRplus® Integrations

Integration with Packaging Table



Standard single packing table with AIRplus® Mini feeding inflated Void Film into a convenient dispenser.

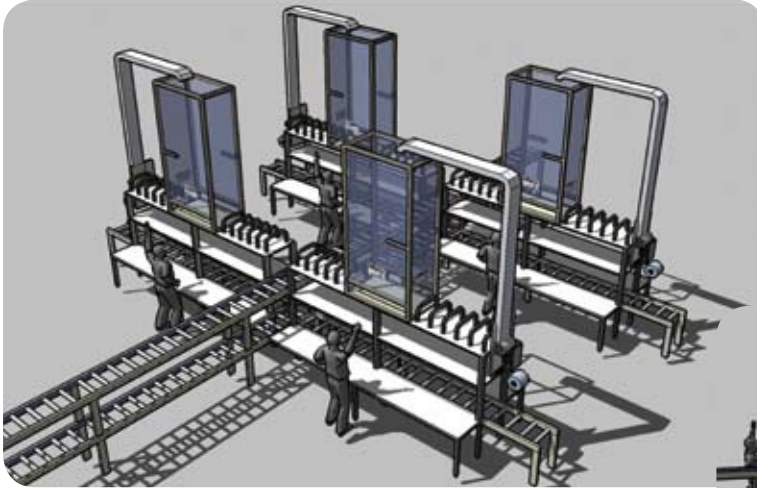


Packaging table with an integrated AIRplus® Mini.

Example: AIRplus® BagSeparator integration



Example: AIRplus® Mini integration in the contract logistic industry



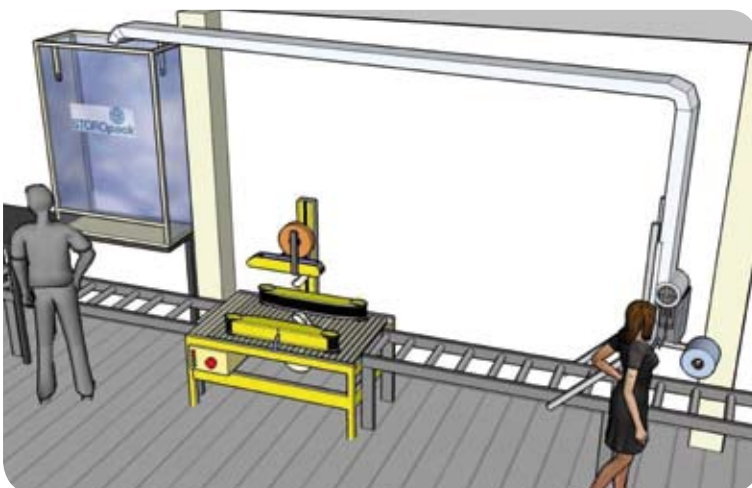
AIRplus® Mini integration with hopper.

The systems continuously fill hoppers over the packaging station with air pillows where they can be comfortably removed.

The focus of this integration is: ergonomic optimization at the packaging station and lowering of process costs.



Example: AIRplus® Mini integration in the pharmaceutical industry



AIRplus® Mini integration with hopper.

The systems continuously fill hoppers over the packaging station with air pillows where they can be comfortably removed.

The focus of this integration is: optimal integration of protective packaging at the packaging station.



For more information contact us:

United Kingdom, Ireland

Phone: +44 (0) 114 249 2004

Fax: +44 (0) 114 249 2006

packaging.uk@storopack.com

www.storopack.co.uk

For all other countries:

Asia

Phone: +852 3421 2392

Fax: +852 3421 2720

packaging.asia@storopack.com

www.storopack.hk

Europe

Phone: +49 (0)7123 164-0

Fax: +49 (0)7123 164-119

packaging@storopack.com

www.storopack.com

North America

Phone: +1 (513) 874 0314

Fax: +1 (513) 874 2955

packaging.us@storopack.com

www.storopack.us