

**PAPERplus<sup>®</sup>** by **STOROpack**

... more than just paper



**STOROpack**

# A complete line of pa

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# Paper packaging material

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 paper makes the difference.

PAPERplus® from Storopack offers a variety of systems that transform paper rolls into packaging material for any application from speedy light-weight filler to strong cushioning pads. Whether you're packing small, medium, large, light or heavy items, there is a PAPERplus® product that is an efficient and economical solution for your packaging needs.

PAPERplus® in-the-box packaging materials are made from virgin paper. It's durable enough to be used many times and it's recyclable - making it economical and environmentally friendly.

## Efficient. Dependable. Versatile.

- The largest selection of in-the-box paper packaging products and machines in the industry
- Reliable and easy to operate equipment with efficiencies such as programmable keypads and foot pedal operation
- Multiple machine configurations, flexible features and add-on components allow you to fit the equipment to your facility and engineer the most efficient production methods for your packing requirements
- A skilled team of representatives and service technicians ensure your packaging systems are operating at peak efficiency

## Watch for this Protective Packaging Guide

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

### **Cushion:**

Absorbs shock and protects.

### **Block and Brace:**

Secures heavy items or single objects 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 all sides with shock protection.



# PAPERplus® Classic

Your advantages:



Classic



GE

- Superior all round protection
- On demand packaging
- Reuseable and recyclable



## The functions:

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

PAPERplus® Classic offers the most versatile application of any in-the-box paper packaging product. Combining the flexibility of variable paper weight options and the use of different packing techniques can make PAPERplus® an economical choice for virtually any application. PAPERplus® pads provide the strength and durability to stabilise heavy objects and the bulk needed for superior cushioning and void fill.



Cushioning method for fragile items.



Convenient and easy for void fill applications.



Block and brace objects to prevent migration.



Coil or wrap to stabilise and protect objects.

Storopack paper pads offer the strength and versatility to cushion and protect any item whether it's heavy, fragile - or just awkward to pack.

## The right paper type for your application:

Paper Type	Width x Length
1-ply 90g.	745mm x 325m
1-ply 70g.	745mm x 250m
2-ply 70/50g.	745mm x 280m
GE 1-ply 90g.	600mm x 325m
GE 1-ply 70g.	600mm x 325m



Classic paper

GE paper

### PAPERplus® from Storopack

It is Storopack's belief that sustainability strengthens our business as an ethical organisation. We are fully committed to developing a culture in which sustainability is the universal key when researching new innovations for the packaging market.

- RE -USE Protecting the environment by reutilisation. This product can be reused up to several times.
- RE -CYCLE Protecting the environment by recycling. After using the product it can be recycled.
- RE -DUCE Protecting the environment by reduction. This product and its production process are designed to reduce natural resource usage.
- RE -NEWABLE Protecting the environment by re-growable raw material. This product is produced from re-growable raw material, e.g.: forest or plants.



PAPERplus® Classic machines use a very effective patented crimping technique to produce paper pads that are denser and offer enhanced compression strength over competitive products. You therefore get a better yield from the paper roll and more reliable protection.

### Classic Vertical

Boasting the smallest footprint of the Classic Line, the popular vertical model is ideal for environments where space and speed are important concerns.

<b>Size:</b>	1800 x 950 x 950mm
<b>Weight:</b>	150 kg
<b>Power:</b>	230V (standard 13amp socket)
<b>Speed:</b>	Standard – 12m per minute High speed – 36m per minute
<b>Paper:</b>	Single ply standard paper



### Adjustable and flexible:

The adjustable chute lets you move and adjust to different operator heights and work environments - even against a wall.

### Safety:

Safety features include two easily accessible emergency stop buttons on each machine to ensure that your employees are always protected ... just like your product. The machine is equipped with sensors that will detect immediately any malfunctions and stop the operation of the machine.

### Mobility and control:

With flexible modes of operation to suit your application, the programmable and movable control pad gives operators full control of production, even from a distance. Produce pads on-demand or program production for multiple stations and/or multiple orders. This capability enables packers to be highly efficient, with minimal downtime. Units can be "locked-out" to simplify operators use.

### Hands-free operation:

Operators are even more productive using the foot pedal to control output - leaving hands free for packing.



## Two Classic Tabletop Models

The Classic Tabletop increases the role of the machine by dispensing PAPERplus® pads directly to a tabletop packing station. Available in either a single or double packaging bench.



### Single Tabletop

**Size:** 850 x 1600 x 980mm  
**Weight:** 170 kg  
**Power:** 230V (standard 13amp socket)  
**Speed:** 12m per minute  
**Paper:** Single or double-ply



### Double Tabletop

**Size:** 760 x 1400 x 1900mm  
**Weight:** 180 kg  
**Power:** 230V (standard 13amp socket)  
**Speed:** 12m per minute  
**Paper:** Single- or double-ply



### Classic Horizontal

The Classic Horizontal extends over your packing station or packing line to conveniently and rapidly deliver PAPERplus® pads where you need them, when you need them.

**Size:** 1800 x 1000 x 1600mm  
**Weight:** 200 kg  
**Power:** 230V (standard 13amp socket)  
**Speed:** Standard – 12m per minute  
High speed – 36m per minute  
**Paper:** Single- or double-ply

# PAPERplus® Chevron

## Your advantages:



Brown



White

- Economical void fill
- Light to medium weight cushioning
- Formed on demand
- Reusable and recyclable



## The functions:

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

PAPERplus® Chevron is the smartest packing filler ever created. Using our patented pleating technique, Chevron combines paper and air to form a very lightweight and flexible 10 centimetre tube that gives you maximum fill with less paper. You'll use fewer packing materials and your packages will be lighter, saving you money in two critical areas.



Creates a flexible paper and air cushion for light weight products.



Creates a true void fill product by filling the void with air and paper.



Creates a paper pad to block and brace the product in the box.

## Easy handling and versatility

Chevron's pleated paper tubes are flexible making them easy to handle. They are perforated every 8 centimetres for easy separation allowing you to adjust the packing material length to fit your needs. In addition to economical void fill, Chevron creates an effective cushioning material suitable to protect light and medium weight products of varying sizes.



## Paper Specifications

Chevron offers multiple material options including different paper weights of standard brown kraft paper or white kraft paper popular for pharmaceutical and cosmetic applications. Both you and your customers will appreciate the reusable and recyclable aspects of Chevron.

## The right paper type for your application:

Paper Type	Width x Length
1-ply 90g.	200mm x 390m
1-ply 110g.	200mm x 390m
1-ply 80g. white	200mm x 475m



### Fast, Efficient and Mobile

The PAPERplus® Chevron system can be integrated into any packaging process. Chevron is efficient, easy to load and operate, and extremely mobile, making it ideal for both high speed and individual packing station environments. Chevron paper tubes can be created on demand, minimising inventory and storage requirements or produced in batches and fed into a Storopack bin.

### Multi - Function Keyboard

The easy to use keypad has three programmable modes - manual, automatic and on demand. This capability enables packers to be highly efficient, with minimal downtime by programming production for multiple stations as well as multiple orders, or producing Chevron tubes on demand.

### Chevron

<b>Footprint:</b>	1800 x 900 x 900mm
<b>Weight:</b>	100 kg
<b>Power:</b>	230V (standard 13amp socket)
<b>Speed:</b>	20m per minute

# PAPERplus® Shooter

## Your advantages:



- Economical void fill using one ply paper
- Speeds up production
- Easy set up in special dispensing carton
- Neat, clean and recyclable



## The functions:

- ✓ Void-Fill



Makes an efficient void fill and stabilises the product.

Need filler fast? With lightening speed up to 100m/minute, the PAPERplus® Shooter boosts packing production by combining high speed equipment with a unique pulling system that unwinds paper from the inside of the roll. As the paper passes through the machine it is shaped and formed into a pad which is cut off to the selected length. This system automatically creates multi layer void fill from one ply paper and eliminates slow manual folding and crumpling to save you time and material costs.

As with all PAPERplus® packing products, our paper is made from virgin and recycled paper that is durable enough to be reused and is recyclable. The PAPERplus® Shooter offers a neat, clean and eco friendly alternative for void fill.

## Speed up your packing process

PAPERplus® Shooter creates a fast and effective void fill product that works whether you're packing single or multiple items. The paper is automatically crumpled and fed directly into the carton to speed up production.

## The right paper type for your application:

Paper Type	Width x Length
1-ply 50g.	375mm x 640m

In a specially designed carton the paper unwinds from the inside of the roll and feeds through the PAPERplus® Shooter, automatically creating filler on demand. A seemingly simple design, the PAPERplus® Shooter is a well constructed, technically advanced machine with features designed to improve your packing production including:

- easy speed adjustment to suit various packing situations
- ergonomic height adjustment for operator comfort
- free rotating head for packing flexibility
- hands free foot pedal operation
- tabletop or floor stand model to adapt to any packing environment
- cutting system included
- anti jam sensor to maintain smooth operation



#### Tabletop Model Specifications

**Size:** 1000 x 470x 600mm  
**Weight:** 18kg  
**Power:** 230V (standard 13amp socket)  
**Speed:** up to 100m per minute



#### Floor Model Specifications

**Size:** 1750 x 600 x 600mm  
**Weight:** 29kg  
**Power:** 230V (standard 13amp socket)  
**Speed:** up to 100m per minute



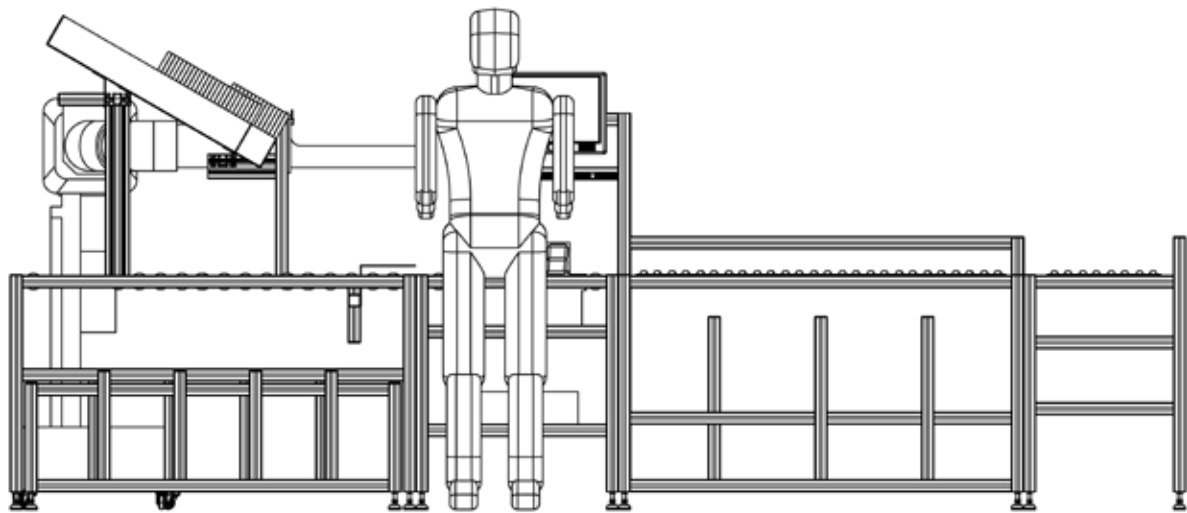
# PAPERplus® Integrations

PAPERplus® machines from Storopack provide the versatility that makes them easy to integrate into any packaging environment. With options such as single and double packing tables, vertical and horizontal machine designs, and tabletop or floor models, PAPERplus® offers maximum efficiencies for space and production capacity. We also design and build special configurations on request.

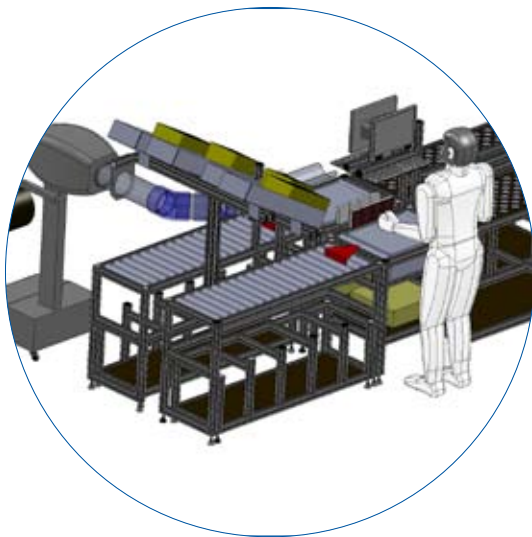
Storopack's System Integration Department works closely with you to develop a plan that provides the most efficient methods to deliver and use your packing materials. First they carefully analyse your workflow, current process and facility. Their analysis includes consideration of details such as:

- **In-line or off-line packaging**
- **Pre produced materials vs. on demand production**
- **Ease of handling**
- **Speed and ease of supply material loading**
- **Maximum use of facility space**
- **Accessibility for loading and machine maintenance**
- **Environmental issues**
- **Optimised ergonomics and output**
- **Consideration of plans for future changes ...and more**

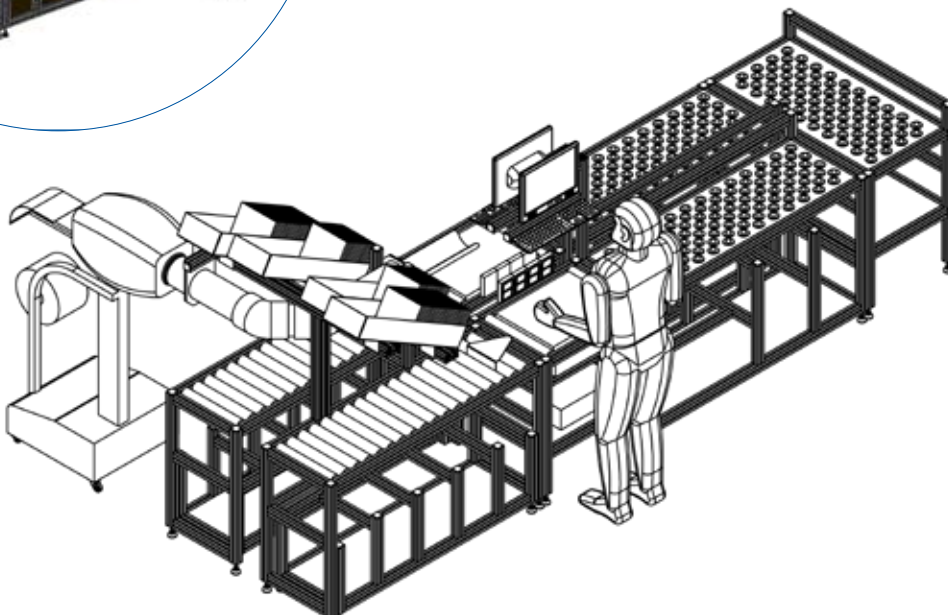
After a thorough analysis our engineers go to work to develop a proposal that effectively integrates the new machines into your existing facility or, if appropriate, a completely new layout of your packaging area. Our proposal is sent to you with drawings showing a clear picture of where and how the machines will be integrated into your facility so you will 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.



The first technical drawing of the packaging system integration.



Example of a 3D drawing of a packaging system integration.



## Integration at the packaging table



Standard single packing table with PAPERplus® Classic under the table. Extras include AIRplus® Mini on a shelf, a carton and computer rack as well as a TFTmonitor connector.



A PAPERplus® Shooter mounted to a work station with a carton rack accessory above and a paper roll dispenser below.



AIRplus® Mini with Cushion film and PAPERplus® Classic machine.



## Modular and standard integration



Example of a PAPERplus® Classic tabletop machine integrated in a packaging line.



A Classic machine integrated in a pick to light book warehouse.



A Chevron machine on a packaging line.



In line packaging using a Chevron machine.



A modified Shooter machine on a swivel puts the packaging material closer to the packer.

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