The First Sealed Paper Packaging

Dust-tight. Sustainable. Unique.

BillerudKorsnäs Axello®
Leave your competitors in the dust

A clean environment, shelves and supply chain without compromising material strength and stability. Now you can replace plastic bags with the First Sealed Paper Packaging for dry foods – and get excellent food protection with less material.

The revolutionary paper bag is made possible by the smart combination of innovative packaging engineering and paper from BillerudKorsnäs, and the breakthrough technology of Bosch. The result is a monomaterial paper packaging for dry food with the benefits of lower packaging waste fees and minimised food waste as well as a lower eco-footprint than corresponding conventional packaging.

Thanks to the SVE ZAP the vertical form, fill and seal machine (VFFS) and the PME Mandrel Wheel machine from Bosch, the First Sealed Paper Packaging can be produced as block bottom bags with gable and flat tops, as well as in the form of a gusseted bag or pillow bag. Regardless of form, the end result is a sustainable bag that improves your bottom line.

The sustainable choice
- Renewable and recyclable paper, primary fibres from slow-growing Scandinavian forests
- Manufacturing less dependent on fossil resources than plastic – lower carbon footprint
- Minimal material consumption, minimal food waste

Enhanced consumer experience
- Clean shelf, pantry and table
- Effective branding thanks to printability of Axello ZAP paper
- Paper provides natural tactile experience and allows for a stiffer construction providing better storage and usability in a wide range of formats

Increased food protection
- Dust-tight – the seal reliably keeps contamination out and food particles in
- Paper provides FDA and BfR certified protection
- Controlled tear – easy to open
Perfect for a broad range of dry food products

Pasta

Oats

Rice

Flour

Muesli

Sugar

65% lower carbon footprint than a corresponding plastic bag*

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The technology behind the innovation

The First Sealed Paper Packaging was first made possible by the PME ZAP-Module from Bosch. With the addition of the innovative PME Mandrel Wheel and the SVE ZAP, a wide range of dust-tight paper packaging can be produced.

The PME Mandrel Wheel offers several performance benefits including:

- Very high weight accuracy thanks to inline weighing system and top-up dosing
- High size flexibility due to combination of robust mandrel wheel concept with modular closing unit
- Partial application of sealing agent for tightly sealed paper bags
- Outstanding bag shape and stability due to double bottom-pressing against mandrel
- Vibrating module for efficient product compaction

SVE ZAP – the first continuous-motion VFFS solution

- Special inline application of sealing agent for tightly sealed paper bags
- Gusseting unit adapted for gentle processing
- Multiple dosing units available for high efficiency depending on applications
- Easy machine access and transparent processes
- Possibility to process paper and laminates on the same machine
The dust-tight, First Sealed Paper Packaging is a product of our ambition to drive packaging innovation. In this case, our ambition is combined with our Axello ZAP Kraft Paper and the technological expertise of Bosch. Moreover, our Axello line of Kraft papers is optimised for a wide range of consumer bags for dry foods.

We know that paper quality is vital to reliable production. Axello papers have consistent quality and always perform in the same way in modern conversion lines and filling processes.

We also know that the consumer is drawn to packaging that is clean, whole and has good printing qualities. As a result, winning the battle for the customer puts high demands on the appearance of the packaging. Your consumer bags made from Axello Kraft paper deliver on these parameters, and offer great printability resulting in packaging that attracts the consumer.

Naturally, your consumer bags should safeguard consumer health, and paper made of primary fibre is an important starting point.
Get bags – with a lower total cost

Switching to The First Sealed Paper Packaging makes financial sense. Even when including all additional expenses for material, recycling fees and transport – the total cost for producing 1000 bags is reduced by up to 40%.

Packaging material cost is reduced by up to

30%

Material recycling taxes/fees – “Green Dot” are reduced by up to

85%

up to

45%

reduction in total packaging material costs

There is a strong business argument for investing in the SVE ZAP and replacing plastic bags with monomaterial paper.

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Sharpen your competitive edge with Smarter Packaging Seminars and expert knowledge of materials, performance and sustainability.
Need a brand new bag?

We can help you create new consumer bags of any size, or optimise your current solutions. Our expertise and Pack Lab services range from insights in packaging trends and innovations, which we readily share with you, to scientific tests and analyses – giving you a truly competitive advantage.
www.sealedpaperpackaging.com

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