



BILLERUDKORSNÄS

THE ART OF TRUE PERFORMANCE

NEW BILLERUD FLUTE® – THE WORLD'S STRONGEST FLUTING



A fluting to count on

At BillerudKorsnäs we not only challenge conventional packaging – we challenge ourselves. Although we could already pride ourselves on manufacturing the world's strongest fluting, we saw no reason for not developing it further – for the benefit of our customers. That's why we made it even stronger.

The fluting that outperforms itself – New Billerud Flute®

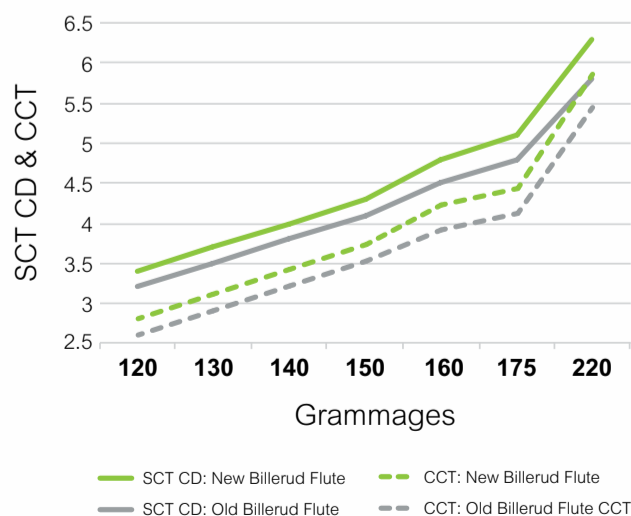
Thanks to heavy investments in production – upgrades, rebuilds and above all the installation of a new shoe press on PM6, we continue to increase output and improve strength properties, especially SCT¹ and CCT².

| Improvements | Advantages | Customer Benefits |
|--|------------------|--|
| SCT strength: up to 8% increase CCT strength: up to 7% increase | Box compression | Box performance Lightweighting potential Cost optimisation |
| Speed & capacity | Increased volume | Availability |

At least one step down

With New Billerud Flute® you can lightweight your transports and show nature respect. It's simple: Stronger qualities perform better and allow you to use a lighter fluting for the purpose. When it comes to comparisons with semi-chemical flutings from other brands, you can choose a lower grammage of New Billerud Flute for equivalent strength and get numerous improved properties into the bargain.

Lightweighting opportunities:



Customer tests have compared the box strength of a fruit tray made of Billerud Flute in 140 gsm x 2 with a tray made of New Billerud Flute in the same grammage x 2. The first noticeable benefits of the New Billerud Flute were its excellent runability on the corrugated board machine and its strength improvements: more than 4% better ECT³ and BCT⁴.

¹ SCT – Short Span Compression Test
³ ECT – Edge Crush Test

² CCT – Corrugated Crush Test
⁴ BCT – Box Compression Test

Innovation opportunities and benefits

New Billerud Flute® cuts losses and saves money all along the supply chain. The innovation opportunities are multifold and apply to different usages and applications.

A centre liner for strength and simplicity

New Billerud Flute offers several new benefits. You can streamline in stock by using New Billerud Flute also as centre liner in double or triple wall constructions. Thanks to New Billerud Flute's much higher compression strength compared to traditional Kraftliner, you can go down in grammage by up to 30% in the centre liner layer.

up to
30%

less grammage
in centre layer

Replacing wood gives more cost-effective logistics

Until recently, high-value, heavy-duty components were packed and transported in heavy and expensive wooden containers. However, New Billerud Flute in high grammages has the strength to create a corrugated solution that can replace conventional wood packaging. A corrugated solution is much lighter and reduces costs for freight, logistics and handling. The surface lends itself well to printing attractive images and the company brand. New Billerud Flute in 220 gsm is the strongest fluting in the world, ready to challenge conventional packaging for really heavy-duty goods.



Tough challenges demand True Performance

Over the years, we have developed a concept called True Performance, focusing on constant load, relevant humidity and the time factor. It's about understanding the specific conditions that packaging is exposed to during its journey throughout the entire supply chain. In demanding conditions, New Billerud Flute can replace waste-based high performance fluting with great savings. Thanks to its genuine strength, it is possible to go down in total board grammage by more than 20% and still meet the requirements of True Performance.



Load
Constant loads



Climate
Varying conditions, humidity and temperature



Time
Performance during long journeys



BillerudKorsnäs provides packaging materials and solutions that challenge conventional packaging for a sustainable future. We are a world-leading provider of primary fibre-based packaging materials and have customers in over 100 countries. The company has eight production units in Sweden, Finland and the UK and about 4300 employees in over 13 countries. BillerudKorsnäs has an annual turnover of about SEK 21 billion and is listed on Nasdaq Stockholm.

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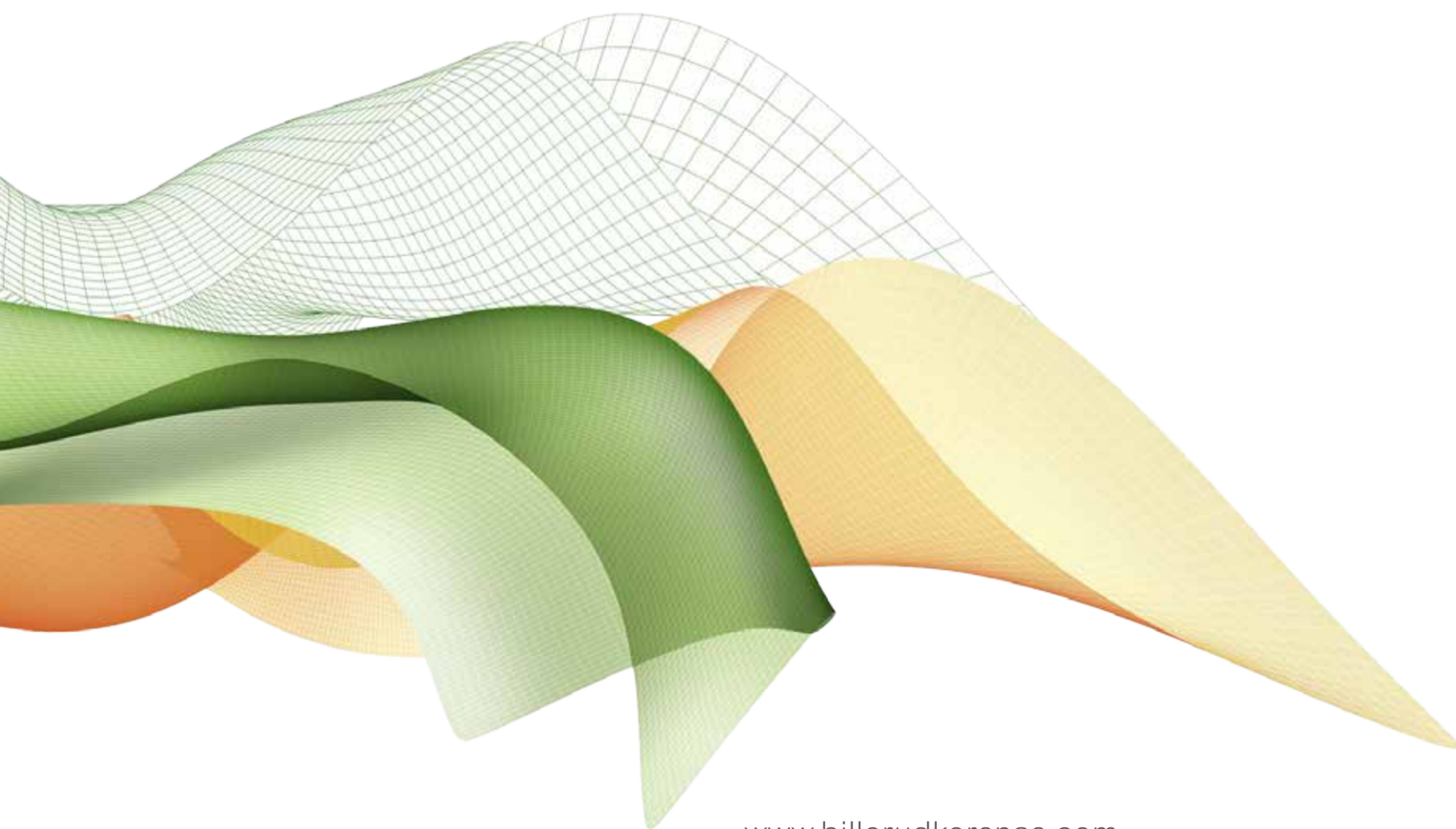
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