

PACKAGING



SurfMAX

Reduced size press costs
and increased sustainability
by managing strength variation

Confidence in the future



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SurfMAX

When it comes to recycled based containerboard, strength of the packaging is one key factor. Today film metering size presses are widely used for the surface sizing and the need for strength, especially on high performance fluting, is even more important. SurfMAX is the solution for the recycled fiber containerboard manufacturers targeting an improved quality while reducing raw material cost.

BTG makes it easy

With SurfMAX, BTG experts will support you the whole way; working closely with the mill personnel. Novel inline instrumentation combined with appropriate metering elements enable an optimized starch application. Stable starch properties together with optimized running parameters reduce strength variation leading to starch and energy savings.



STRENGTH VARIABILITY



Strength is one of the most important quality parameters in liner and fluting production. SurfMAX permits to reduce the variability of the strength, and consequently the strength target can be reduced, leading to major benefits.

Expert review

BTG experts review the size press and starch kitchen. They identify areas of potential improvement; including locations for novel starch measurements.



Starch application improvement

To reach full savings potential, groove profiles of rods are adjusted. Novel instrumentation is used to ensure optimum starch quality. This results into a starch application which is stable and energy-efficient.



Optimal running parameters definition

To sustain the gains from the optimization, BTG engages tools and services to support and continuously review optimal running parameters for each grade, every single day of the year.



Environmental impact

SurfMAX enables starch and energy savings. 10kg/t starch reduction would reduce CO₂ emissions by 8500 tons.

Cost reduction

With SurfMAX used in a mid-sized machine, starch can be reduced up to 20%. This would permit raw material savings up to 1 Mio € per year and energy savings up to 3 Mio € per year.

Quality

Thanks to SurfMAX, quality of final packaging is more stable, to the satisfaction of end-customers.

About us

The BTG Group is a multinational provider of integrated, highly specialized process solutions for the global pulp and paper industry. Every day our people help customers achieve sustainable gains in business performance through our application know-how and industry-leading technologies. This includes world-leading rods and beds for film-metering size presses; high-performance ceramic and cermet coating blades; high-performance tissue creping doctors and doctor holders, specialty doctor blades and pulp and paper process control sensors and laboratory instruments. All of these technologies are supported with expert services and application support.

Our advanced integration philosophy combines high-quality instrumentation, detailed and versatile data analytics and our unique, expert applications experience to provide BTG customers with operational advantages that realise new gains in productivity and profitability.

Headquartered in Eclépens, Switzerland, BTG employs about 600 professionals across the world and operates four manufacturing sites, three research centers and several regional application centers. The BTG Group is an operating unit of Voith Paper (www.voith.com).



Contact

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or write us (info@btg.com)



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