

BTG Duroblade®: a constant quest for better tissue quality

Every tissue maker knows that wear and tear on both blades and Yankee and the interaction between different materials all takes its toll on quality and profitability. That's why BTG has been focusing recent R&D efforts on the wear mechanisms at play during the tissue-making process.

Improved understanding of the complex forces and interactions that characterize the tissue-making process will soon result in a new line of BTG Duroblade creping blades, set for release in the coming months.

Specially designed for tissue applications, these new-model Duroblades will increase overall performance by diminishing the effects of the different wear mechanisms that occur in the contact area between the blade tip and the Yankee, as well as in the blade surface/tissue contact area. Trials now underway show that users can expect even longer blade lifetimes, higher bulk and improved hand-feel.

Our forthcoming new Duroblade range is part of a concentrated effort on the part of BTG to improve operational efficiency and productivity for our tissue customers across all stages of the manufacturing process.

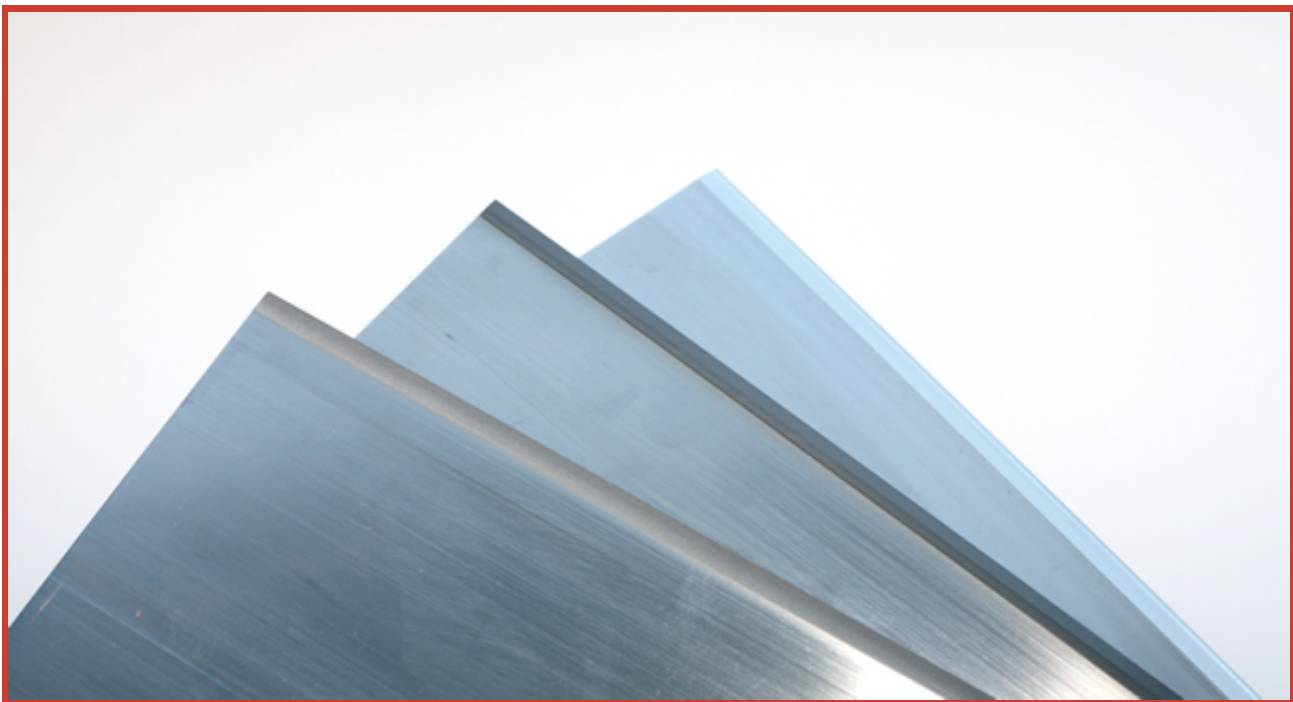


Figure 1: A new line of Duroblade creping doctors

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Tissue consumers expect the best

While tissue products are one of the fastest growing market segments, tissue manufacturers around the world consistently report a host of common and nagging problems. Unstable coating and release properties lead to unstable sheet quality and steadily mounting chemical consumption to achieve the desired tissue properties. Unstable machine conditions result in an increasing number of sheet breaks and reduced machine efficiency. The result: decreased productivity and profitability.

BTG can help. Our soon-to-be-released new Duroblade range is complemented by extensive in-house consulting expertise and a range of indispensable services, such as consumption follow-up that tracks the reasons for blade changes, Yankee surveys, and worn blade analyses.

On top of that, earlier this year we announced [a new fully integrated approach for tissue control](#) which combines the competences of our two divisions, BTG Duroblade and BTG Instruments. While the clear benefits of process control strategies for both stock preparation and wet end have been widely adopted for applications such as coated fine paper and DIP-containing grades, in tissue production control solutions using today's high-tech instrumentation are still not widely applied.

High quality tissue products are achieved through a well-designed creping process and cost-intensive chemical additives. But successfully optimizing any process also needs to take into account factors such as the variability of de-inked fiber quality, grade-specific bleaching chemistry and fines/ash management – just to mention a few.

A holistic approach is the only really effective solution. That's why BTG offers the industry's most comprehensive portfolio of complementary products and services – from high-performance blades to analyzers and transmitters, to expert know-how – to ensure that you always get the very best results from your tissue-making operation.

To learn about BTG tissue products and services, contact Jérôme Michaut at jerome.michaut@btg.com or go to www.btg.com