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Products

Metering blades and rods

Duroblade® and Durorod™ blades, rods, rod beds and accessories for coating and surface sizing.

High-performance metering elements improve paper quality, decrease web breaks, blade and rod changes and eliminate running-in time

What differentiates Duroblade® and Durorod™ from other surface treatment consumables on the market?

- Know-how and support
- Increased productivity
- Paper quality
- Wear rate
- Materials

Duroblade and Durorod overcome the performance degradations caused by rapid wear-and-tear on steel components, delivering clear performance improvements and better quality coated paper and board products. Our blade tips and rods are treated with a wide range of materials including hardened steel, ceramics, ceramic-metal compounds, chrome and elastomers to enhance coatweight application, smoothness, gloss and fiber coverage. The long-wearing, high-performance work surfaces of the blades and rods maintain quality, reducing broke, increasing process efficiency and ensuring consistently high quality across the web whether in coating, metering or doctoring applications. This in turn leads to significant, sustainable gains in business performance.

Coating and surface sizing with blades

Duroblade® coating blades

Coating and surface sizing with rods

Durorod® rods, rod beds and accessories for coating and surface sizing



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Products

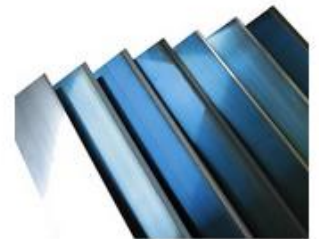
> COATING AND SURFACE SIZING WITH BLADES

Coating and surface sizing with blades

Duroblade® coating blades

BTG's experts can help you achieve significant operational savings in any type of paper production—CWF, LWC, packaging board and others—with original high-performance Duroblade® coating blades.

Duroblade coating blades are factory-honed to each customer's individual requirements. **Proven to last up to 10 times longer than conventional steel blades**, they wear smoothly and evenly to maintain excellent coatweight profiles. With specific tip materials to enhance coatweight application, smoothness, gloss and fiber coverage, Duroblade coating blades are customized to meet your needs.



Customized to your needs

We take the time to understand your specific needs and can make Duroblade coating blades available in a variety of materials to meet your needs and applications:

- **Ceramics family** – offers long lifetimes, stable running conditions, better coatweight control, and enhanced paper surface qualities;
- **Cermet family** – enhances surface smoothness and reduces streaks, lines and scratches in CWF and packaging grades;
- **Soft Tip** – incorporates a unique technology for contour coating, which provides exceptional fiber coverage and higher solids content—perfect in board applications

Duroblade is a registered trademark.



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Products

Coating and surface sizing with rods

Durorod® rods, rod beds and accessories for coating and surface sizing

Our experts can help you achieve significant operational savings in coating and metering. You will also benefit from unmatched flexibility and advanced system capabilities with chrome-plated and ceramic Durorod® rods, rod beds and accessories.

Durorod products minimize coating formulation adjustment problems and are less sensitive to high machine speeds. In addition, after discussions with our specialists we can custom-design these products to meet your specific needs.

Our internationally recognized quality measurement and improvement system and expertise - our Optical Measurement Inspection System (OMIS) - guarantees faultless products. This ensures you get the hardest, smoothest rods in the industry.

You can also enjoy the same outstanding quality and service with Durorod rod beds and other accessories for coating and surface sizing, including:

- Chrome-plated Durorod
- Ceramic Durorod
- Rod beds
- Wipes

Durorod is a registered trademark.





BTG IPI Headbox sheets

Enhance your high-quality paper parameters with BTG IPI headbox sheets.

BTG headbox sheets improve the operations of the paper machine. The headbox nozzle is a critical area in developing high-quality paper parameters. Therefore, our unique manufacturing process produces sheets of highest quality.

We offer the smoothest polycarbonate surface in the industry through a special finishing process that provides an extremely smooth finished surface. In addition, we can apply a surface modifier to enhance the material's release aspect -promoting even cleaner operating sheets.

The sheet tip is the primary controlling item in developing the nozzle flow characteristics. Sheets come in various tip designs including: "Blunt", "Tapered" and "Serrated".

Two different types of material are available: Polycarbonate and CPVC

BTG uses a unique and proprietary flow modeling technique we refer to as "Energy Expansion" calculations. This method allows us to easily review the effect that specific sheet designs have on the flow inside of the headbox nozzle while also being able to categorize the fiber activity levels present. In turn we can then engineer sheet designs to allow the headbox to operate in its 'sweet spot'. So if you want to improve headbox sheet profile uniformity give a BTG expert a call and let us show you how!

