

TISSUE



ReelTime

From reactive to predictive
digitally enabled



ReelTime

The equation of tissue making is made up of three key variables: Quality Demand, Raw Material Characteristics, Production Process Variability.

ReelTime is built around the latter on BTG's home turf of Process analysis and improvement. This is exactly where we have a significant impact.

Starting with the **FiberMAX** process audit, we enable you to build on this solid foundation by providing you with the Operational Intelligence Platform **dataPARC**. With this platform, you can make the most of the available data, using software-based control loop monitoring and tuning to connect the dots between your existing and BTG's **advanced process instrumentation**.

All this is culminating in an easy-to-use advisory **predictive model** for bulk, softness or tensile to be used by operating and process personnel.



Sustained Energy Savings

Electricity - over 15kwh/ton
Natural Gas - over 40kwh/ton



Fiber savings

Over 13% reduction in softwood content



Reduced CO2 emissions

Over 12kg/ton



Productivity increase

Up to 4%



Preparing the future

Machines getting ready for self-regulation functions



MEASURE – ANALYZE – CONTROL – PREDICT

Once measured, we can analyse process data and put it into perspective of what it means for the resulting quality, hence put the right control measures in place. BTG's ReelTime enables you to use all this to predict the quality results and take the right measures to meet the targets while at the same time increase production efficiency.

EXPERT PROCESS AUDIT

In any modern paper mill, many controls are relying on consistency. FiberMAX uncovers unhealthy consistency control loops from a mechanical and controls point of view. After a deep quality and process data analysis we collaboratively create an actionable menu of improvements which will enable you to build a solid foundation to reduce and control variability as well as set the base for a digital future.

OPERATIONAL INTELLIGENCE

dataPARC is the high-performance toolkit designed for tissue, pulp and paper, to connect all data sources online. With advanced algorithms it transforms data into the right information, available throughout the entire organization at the right time, anywhere. The intuitive and easy-to-use tools, integrated predictive process modelling for soft sensors and digital twins. Complemented with BTG's controlSUITE for control loop monitoring and tuning this will lead to full-scale Operational intelligence.

ADVANCED PROCESS INSTRUMENTATION

Advisory predictive models just like the ones available in ReelTime for bulk, softness and tensile strength live on one thing: DATA. Specifically, ReelTime relies on consistency, morphology and creping data provided by advance process instrumentation developed, industry-approved and serviced by BTG.

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 pulp and paper process control sensors and laboratory instruments as well as and 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. 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

For more information, contact your sales representative.

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Confidence in the future



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