



PRESSE RELEASE

ANDRITZ Nonwoven offers innovative solutions for optimization of raw material consumption

GRAZ, APRIL 28, 2021. International technology Group ANDRITZ has always been at the forefront in providing innovative and sustainable solutions for the global nonwovens industry. Optimization of resource management, especially reducing the consumption of raw materials and other substances used and also keeping resources in use for as long as possible, are decisive factors in enabling nonwovens producers to offer competitive and sustainable products.

As a world market leader for nonwovens production equipment and services, ANDRITZ offers a full range of products to meet these challenging demands.

Maximizing the evenness of the product across the entire production line is one of the key success factors. The weight profiling product range of ANDRITZ – consisting of ProDyn™ and ProWid™ – has been extended by **ProWin™**. This new development is the combination of the two existing systems ProDyn™ and ProWid™. It allows nonwovens producers to achieve optimum weight profiling at the crosslapper delivery and increase their process speed by up to 15% at the same time. ProWin combines the long-term process experience and in-depth knowledge ANDRITZ has on needlepunch lines with innovative software to synchronize action across the line. Guillaume Julien, Head of Needlepunch Sales at ANDRITZ Nonwoven, explains,

“We have developed a self-regulating, advanced technology to reduce fiber deposits at the edges of the web and eliminate the “smile” effect across its width. ProWin enables producers to optimize the CV ratio autonomously and precisely while also generating significant fiber savings of up to 10% and increasing production speed. Thus, it also provides a faster ROI.”

When it comes to the spunlace process, a better product quality can be obtained by ensuring that the different equipment units in the production line are consistent with one another. The **TT card**, the Jetlace hydroentanglement unit, and the **neXdry through-air dryer** are the perfect combination to obtain premium visual quality and characteristics in the web. For an equivalent amount of fibers, this set-up is designed to produce an even web with significant bulkiness and an excellent MD:CD ratio without impacting the production capacity.





Maximizing performance by minimizing the raw material input and the amount of waste produced is a real driver of cost optimization. This is why ANDRITZ has created and integrated a solution that allows nonwovens producers to retrieve the wasted edges of their spunlace fabric and re-use it as recycled fibers. As a result, roll-good producers can even obtain the same web characteristics as when using virgin fibers, and most importantly, the exact same quality.

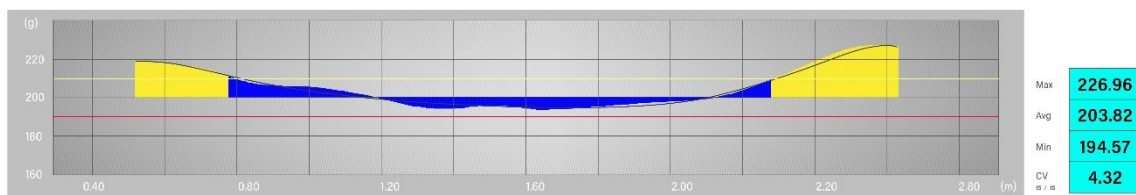
ANDRITZ also offers – under the brand **Metris – ANDRITZ digital solutions** – a variety of several service apps for optimum customer benefit. The **Metris Cost Management app** is used to track raw material consumption. It is an advanced system aimed at monitoring fiber consumption and allowing in-depth diagnoses to investigate raw material losses and savings grouped by different process areas. Thanks to this Metris application, ANDRITZ customers are able to optimize their system's consumption of raw materials.

All these innovations are available in ANDRITZ's technical centers, where ANDRITZ process experts will be glad to welcome customers in order to discuss and define their product expectations.

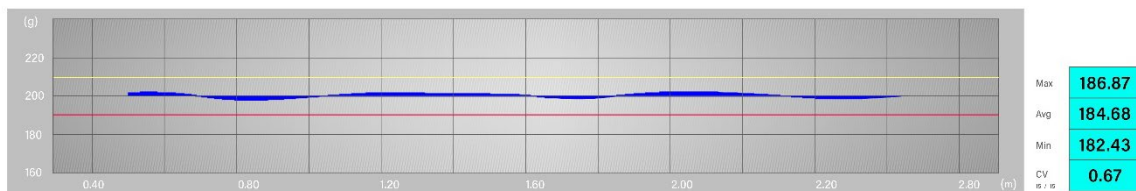
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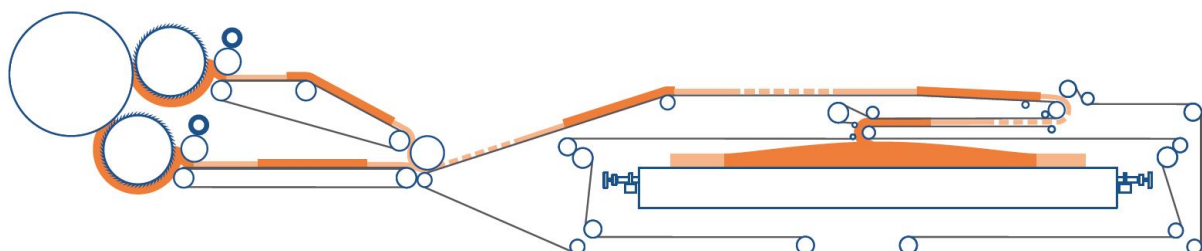
Spunlace pilot line at the technical center in Montbonnot, France



Web profile with standard web profiling: No correction



Web profile with ProWin system: Ultimate dynamic web profile correction



Impact of the ProWin system on fiber distribution



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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems and services for the pulp and paper industry, the hydropower sector, the metals processing and forming industry, pumps, solid/liquid separation in the municipal and industrial sectors, as well as animal feed and biomass pelleting. Plants for power generation, flue gas cleaning, recycling, and the production of nonwovens and panelboard complete the global product and service offering. Innovative products and services in the industrial digitalization sector are offered under the brand name Metris and help customers to make their plants more user-friendly, efficient and profitable. The publicly listed group has around 27,200 employees and more than 280 locations in over 40 countries.