



ProWid

CONTROL PANEL

NONWOVEN

ProWid™ PROFILING TECHNOLOGY

OPTIMIZE YOUR WEB WEIGHT EVENNESS
ON CROSSLAPPERS

SCANNING GAUGE

INTEGRATED SYSTEM AT CROSSLAPPER

ProWid™ is an innovative ANDRITZ technology allowing nonwoven producers to optimize the weight profiling capabilities at the crosslapper entry side. This ProWid is independent of the card type and so is also very good for crosslapper replacement in an existing line.

IMPROVED COEFFICIENT OF VARIATION%

The ProWid system allows the carded web to be stretched to reduce its fiber weight so that the stretched web areas can be laid by the crosslapper on both edges of the fiber mat provided. Its closed loop design is an advantage in constantly improving the CV%.

FIBER SAVING

The ANDRITZ ProWid technology also contributes savings of up to 7% by eliminating superfluous fibers on the edges of the mat supplied. This saving provides a faster return on investment and lower OPEX thanks to ProWid.

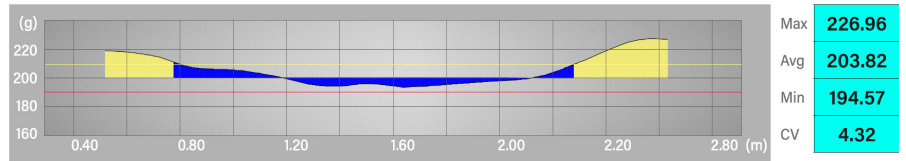
ANDRITZ

ENGINEERED SUCCESS

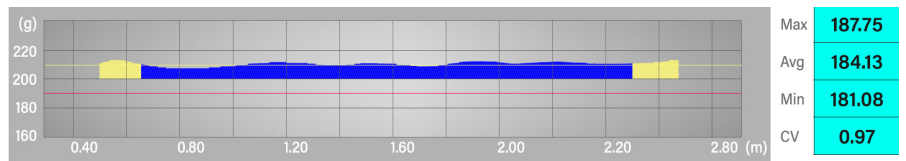
Smart and efficient production with the ProWid control system

ADVANTAGES OF ProWid

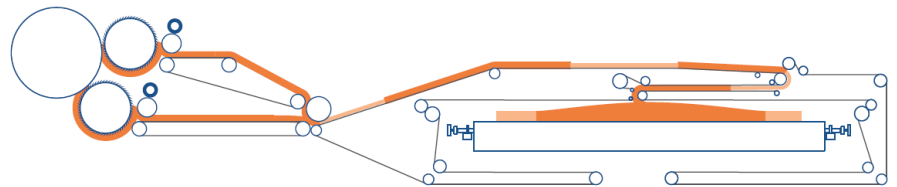
ProWid anticipates the change in weight distribution due to the subsequent bonding process in order to significantly reduce the CV% when compared to profile mode only. The CV% is generally improved by a factor of two, in particular when it is more than 3% without the ProWid system. ProWid can be delivered together with an ANDRITZ crosslapper to enhance performance of existing or new needlepunch eXcelle lines. This facility is also available for aXcess lines.



Web profile with standard web profiling: No correction



Web profile with ProWid system: Dynamic web profile correction



Impact of the ProWid system on fiber distribution



ProWid system in operation

BENEFITS:

- Improving your final fabric weight evenness
- Extensive fiber savings, fast ROI and lower OPEX
- High production speed
- Affordable investment costs

Profile crosslapper	Card width			Fabric weight control	Speed variation
	2.50 m	3.00 m	3.50 m		
Max. infeed speed [m/min]	80–200	110–200	110–165	Profiling by stretching on the card web to achieve optimum fiber distribution at the fabric edges	Up to 40% stretch (maximum)
Max. laydown speed [m/min]	107–260	143–260	143–214		

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