Nonwoven ProWid Crosslayer Technology

Improve Performances of Your Existing Needlepunch Line

Profiling System to Enhance Efficiency

The ProWid control system is an instrument that regulates the card web weight before the web enters the crosslapper in order to lay a fiber mat with lighter edges.

Automatic speed control by ANDRITZ ProWid results in a significant improvement in web distribution, which has a direct, positive effect on material consumption and quality. All values can be read off and checked immediately on the control display. Once set, there is generally no further need for adjustments. With ANDRITZ ProWid, you reduce your material costs and this protects the environment.
Smart and efficient production with the ProWid control system

THE ADVANTAGES OF PROWID ARE MEASURABLE
The CV (Coefficient of Variation) percentage is generally improved by a factor of two, in particular when the CV percentage is in excess of 3% without the ProWid system. ProWid can be delivered together with an ANDRITZ crosslapper to enhance performance of existing or new needlepunch eXcelle lines. ProWid is also available for aXcess lines.

BENEFITS:
• Improving your final fabric weight evenness
• Extensive fiber savings, fast ROI
• High production speed
• Affordable investment costs
• Low floor space requirement

Profile crosslapper
Card width
2.50 m 3.00 m 3.50 m
Max. infeed speed [m/min] 80–200 110–200 110–165
Max. laydown speed [m/min] 107–260 143–260 143–214

Fabric weight control
Speed variation
Profiling by stretching the card web to achieve optimum fiber distribution at the fabric edges up to 40% (maximum)

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