



FEEDER

CARD OUTLET

WID

CROSSLAPPER

CONTROL PANEL

SCANNING GAUGE



NONWOVEN

ProWin™

PROFILING TECHNOLOGY

MAXIMIZE YOUR WEB WEIGHT EVENNESS
ON CARDS AND CROSSLAPPERS

INTEGRATED SYSTEM AT CARD AND CROSSLAPPER

ProWin™ is an innovative ANDRITZ technology allowing nonwoven producers to maximize the weight profiling capabilities at the crosslapper delivery side together with extra textile process speed of up to 15% compared to ProDyn™ performance.

IMPROVED CV%

In most cases, ProWin generates a lower CV% (Coefficient of Variation) value in weight variation than the ProDyn can usually achieve, and in all cases when comparing it with any other weight profiling systems available. It perfectly matches the market's requirements in terms of mat evenness.

SMART COMBINATION

ProWin integrates a smart combination of the ANDRITZ ProDyn and ProWid™ systems to get the most out of both technologies in terms of fiber weight profiling at the crosslapper delivery side. ProWin is a revolution in batt forming technology.

ANDRITZ

ENGINEERED SUCCESS

The best compromise between productivity and drafting

CLOSED LOOP SELF-ADJUSTMENT

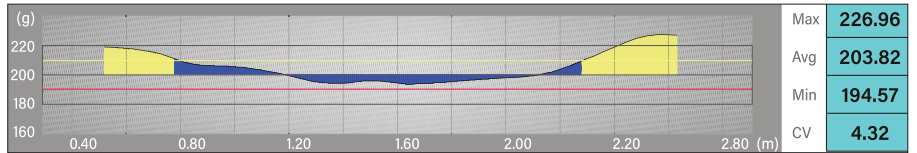
Once the weight profile distribution is displayed on the ANDRITZ gauge, the ProWin technology self-adjusts, how to build the fiber matt at the crosslapper stage, in cross direction as well as in machine direction, to anticipate the fiber mat deformation during the downstream bonding process.

SMOOTH OPERATION

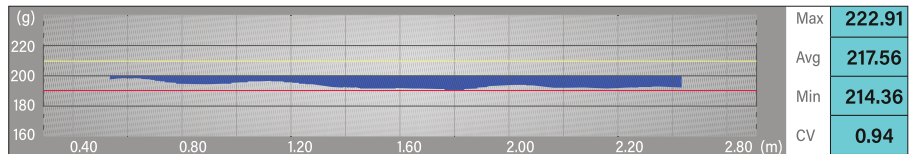
As an additional benefit, the ProWin balanced weight profiling correction technology contributes significantly towards reducing card and crosslapper acceleration during high-speed operation.

NEW ANDRITZ GAUGE

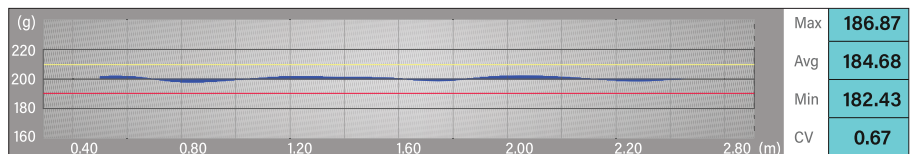
ProWin is coupled with the new ANDRITZ gauge (installed just before the end of the line), which handles the self-regulation (closed loop). It accurately controls the product regularity at the end of the line and automatically allows data analysis and processing by ProWin, consequently improving the end products' CV% performance. The new ANDRITZ gauge is a key device for ProWin closed loop ANDRITZ lines.



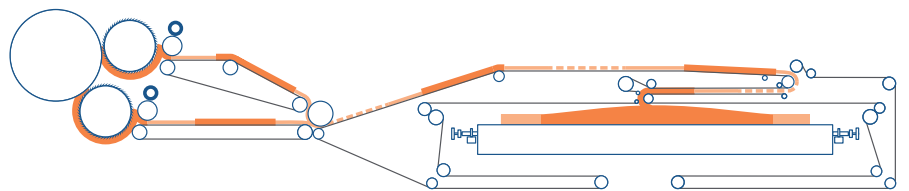
Web profile with standard web profiling: No correction



Web profile with ProDyn system: Dynamic web profile correction



Web profile with ProWin system: Ultimate dynamic web profile correction



Impact of the ProWin system on fiber distribution

BENEFITS:

- Extra textile process speed up to 15%
- Lower CV% in weight variation
- Self-regulation of fiber mat (ProWin closed loop)
- Significant reduction of card and crosslapper acceleration during high-speed operation

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