



PULP & PAPER

FOR SUPERIOR TISSUE QUALITY

PrimeFlow HEADBOX

With the high headbox pressures in today's high-speed tissue machines, tremendous slice rigidity is required to achieve the cross-profile demands. The compact mechanical design of the *PrimeFlow* headbox family, with the unique

eccentric shaft for slice adjustment, ensures minimized slice deflection. In addition, the step diffusor turbulence generator, in combination with the optimized nozzle geometry, yields superior paper quality.

We offer an annual service to inspect, recondition and, when necessary, rebuild your headbox to restore performance, extend its lifetime and to improve tissue quality.

ANDRITZ

ENGINEERED SUCCESS

PrimeFlow headbox for tissue: efficient turbulence generation

SPECIAL DESIGN FEATURES

The special design features of the ANDRITZ *PrimeFlow* headbox include low recirculation flow. The optimized step diffusor turbulence generator comprises tube bundles with inserts for optimal formation over a wide range of headbox flow rates and consistencies. In addition, easy and on-the-run adjustment of the jet impingement for optimum sheet formation is enabled. The overall design of the *PrimeFlow* headbox considers the operator's needs for safe handling, cleaning, and maintenance.

CONSISTENCY PROFILING SYSTEM

The well-proven *PrimeProfiler F* consistency profiling system ensures the best possible basis weight profile. All major components in the system are made of stainless steel.

Best cross-profile (through structural rigidity, mechanical micro-adjustment and consistency profiling system) and superior formation quality.

Energy-saving design (low headbox recirculation flow and higher consistencies) without compromising on product quality.

MULTILAYER TECHNOLOGY

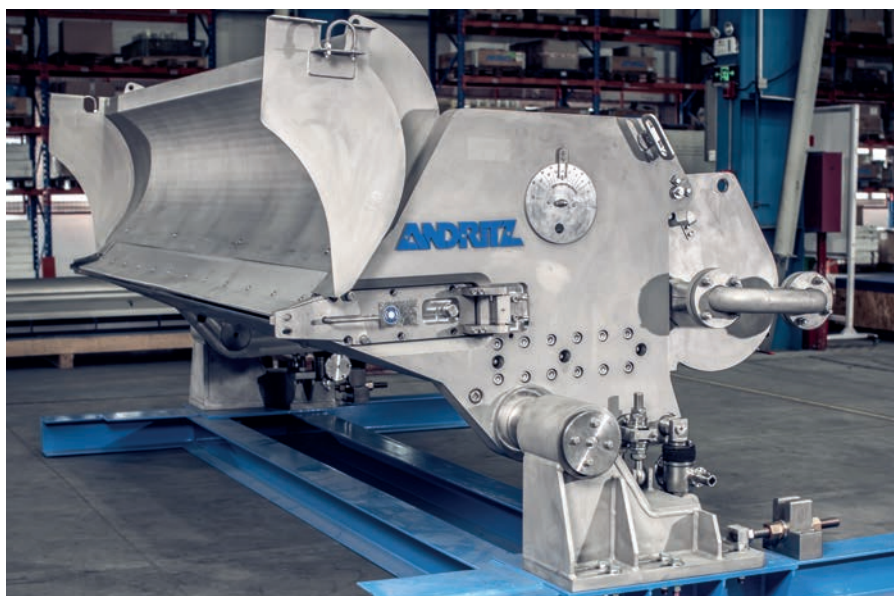
Multilayer headboxes offer the opportunity to efficiently use raw materials that fulfil consumer demands such as handfeel and strength.

An internal lamella separates the individual flow streams in the nozzle to generate a high degree of layer purity. The lamella is made of a high-performance synthetic material for durability and long life.

TURBULENCE GENERATOR

A highlight of the *PrimeFlow* headbox is the optimized step diffusor turbulence generator. It ensures streak-free paper, whilst the slim nozzle design ensures a stable jet.

The *PrimeFlow* multilayer headbox is available with two or three layers for different applications in *PrimeLine TM*, *PrimeLineTAD* or *PrimeLineTEX* machines.



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