

# **PrimeLineCOMPACT**

The Compact Solution.



We accept the challenge!

**ANDRITZ**

## The challenge: A tissue plant that is easy to configure, faster to build, quicker to start-up, and easy to operate and maintain.

Andritz is well known for supplying the most advanced and fastest tissue machines in the world.

The PrimeLineCOMPACT tissue plant design consists of standardized and easy-to-scale modules that deliver an attractive return on investment. Each module is based upon proven Andritz technologies.

The tissue industry is a dynamic industry. New producers enter the market as others consolidate their positions. Entrepreneurial tissue converters are discovering the economic benefits of producing their own parent rolls.

In response to these new demands, Andritz has expanded its product family to create a COMPACT tissue mill: complete with stock preparation plant and modern CrescentFormer tissue machine.



**PrimeLine**  
COMPACT

An **Andritz innovation** that meets the challenge!

- ▶ **Reduced engineering hours**
- ▶ **Faster manufacturing & delivery**
- ▶ **Faster installation**
- ▶ **Quick start-ups**
- ▶ **Easy to maintain**

The modular, standardized design reduces engineering hours and shortens the time required to manufacture, deliver, install, and start-up.

As a result, tissue producers reduce their investment costs and generate revenues more quickly – accelerating the economic payback significantly.

The PrimeLineCOMPACT tissue machine's operating speed is up to 2,000 m/min, with a working width of 2.7 to 2.85 m.

The COMPACT's stock preparation system, the ShortFlow™, is a simplified solution for stable stock processing yet provides high flexibility in grade and/or color changes.

The headbox is available in either 1 or 2-layer designs. The slice lip is adjustable, by an eccentric shaft which results in an extremely accurate adjustment and compact design. The Andritz 2-layer design with stiff lamella allows optimization of layer purity as well as improved fiber structure by running different jet velocities.

The CrescentFormer has a very high dewatering capacity. White water flow from the former is controlled by special guide vanes so that the energy of the water jet is broken outside the machine. This creates a vibration-free wet section.

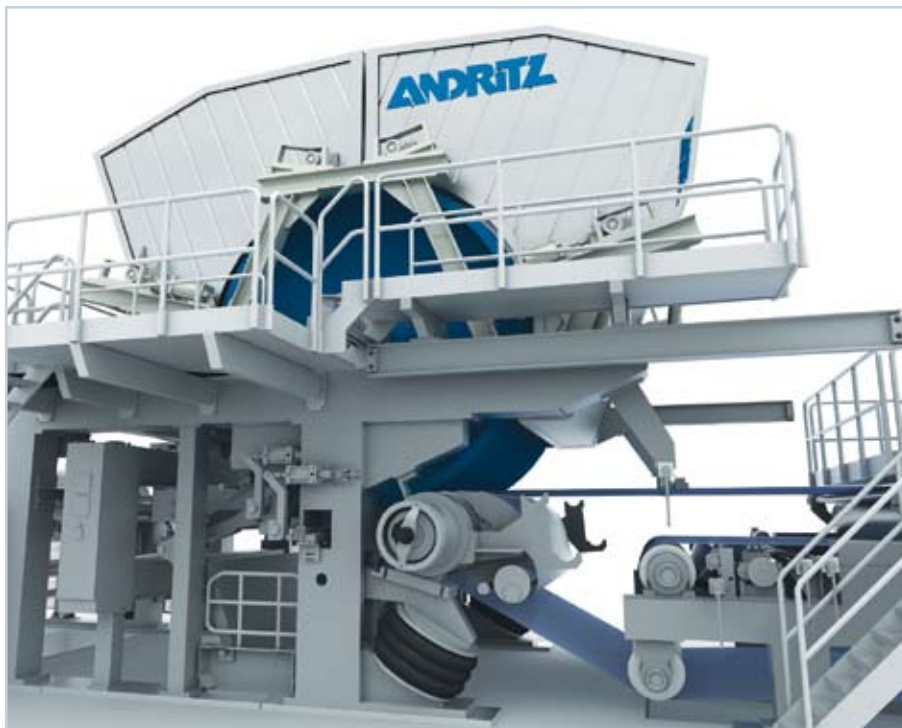
The press section consists of a single press for high product quality and runnability. Roll changes are easy, since the vacuum suction is on the drive side and the suction pressure roll is not driven. The Yankee has a ribbed bore shell and is optimized for high heat flux and uniform drying profile. The Yankee is well-sealed and is designed to reduce the mechanical stresses on the main parts and joints. As an option, a fabricated steel Yankee can be sup-

plied. The design of the EquiDry Hood utilizes an extensive FE-analysis to provide results of stress and elongation. The optimized nozzle geometry and air flows of the EquiDry Hood, together with the internally grooved Yankee, result in a uniform and high efficiency drying performance.

The sheet run to the reel is supplied with threading and sheet support equipment. The reel is pneumatically controlled and includes linear primary arms and pivoting secondary arms. A nip load compensation system in the secondary arm ensures even winding pressure. Load relief during the transfer process, together with precise electronic controls, ensures consistently high tissue quality right down to the spool.

# PrimeLineCOMPACT

## Solutions for Tissue



- ▶ Easy to configure
- ▶ Easy to deliver
- ▶ Easy to start-up
- ▶ Easy to operate
- ▶ Easy to maintain

**PrimeLine**  
COMPACT

**ANDRITZ**

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