PATENT PENDING

NONWOVEN

EFFICIENT, AFFORDABLE AND BIODEGRADABLE

CARDED-PULP (CP) WIPES PRODUCED WITH ANDRITZ WETLACE CP™ TECHNOLOGY

ANDRITZ

ENGINEERED SUCCESS

Gain from a proven process

Market situation: The rising threat of plastic pollution and stricter regulations from governments and trade associations have propelled producers to search for ideal production technologies for fully biodegradable and plastic-free wet wipes, such as cleaning, baby or disinfection wipes.

THE ANDRITZ RESPOND

ANDRITZ offers fully engineered production lines integrating the right equipment for so-called carded-pulp (CP) lines: cost-efficient, flexible, and reliable. These processes combine the benefits of two technologies: Wetlace™ and spunlace. Natural fibers can be processed smoothly and generate a high-performance and cost-efficient wipe. Thus meeting customers' needs exactly as well as supporting the strong tendency to move away from plastics and synthetics.

BEST IN CLASS TECHNOLOGY

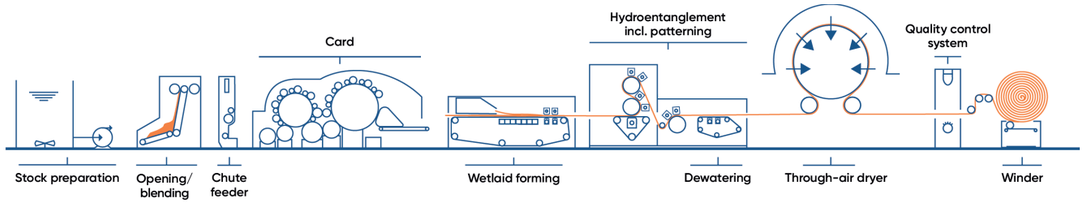
ANDRITZ offers the complete process from concept, engineering and automation to realization and life-cycle-long service. The neXline wetlace CP is equipped with state-of-the-art stock preparation, including approach flow and fan pump, opening and blending, TT carding including chute feed, a wetlaid forming unit, hydroentanglement including optional patterning, filtration unit, dewatering, through-air drying and end-of-line equipment. All components are perfectly arranged to produce a first-class CP wipe.

UNIQUE CP PROCESS

This process is the ideal way of producing biodegradable wet wipes based on pulp as raw material. Within that process a pulp slurry is directly laid on top of the carded material. The pulp layer gets dewatered through the carding layer. This allows a perfect integration and fixation of pulp fibers into carded web matrix before hydroentanglement. Fiber losses are minimized and a uniform product is ensured.

BENEFITS OF PROCESS

- One source - ANDRITZ
- TT card technology
- Highest capacity
- Unique carded-pulp process (patent pending)
- Expertise in filtration
- High dewatering efficiency
- Experience in drying
- Energy saving systems
- Optimized performance due to digitalization



Principle of ANDRITZ neXline wetlace CP line

from just one source!

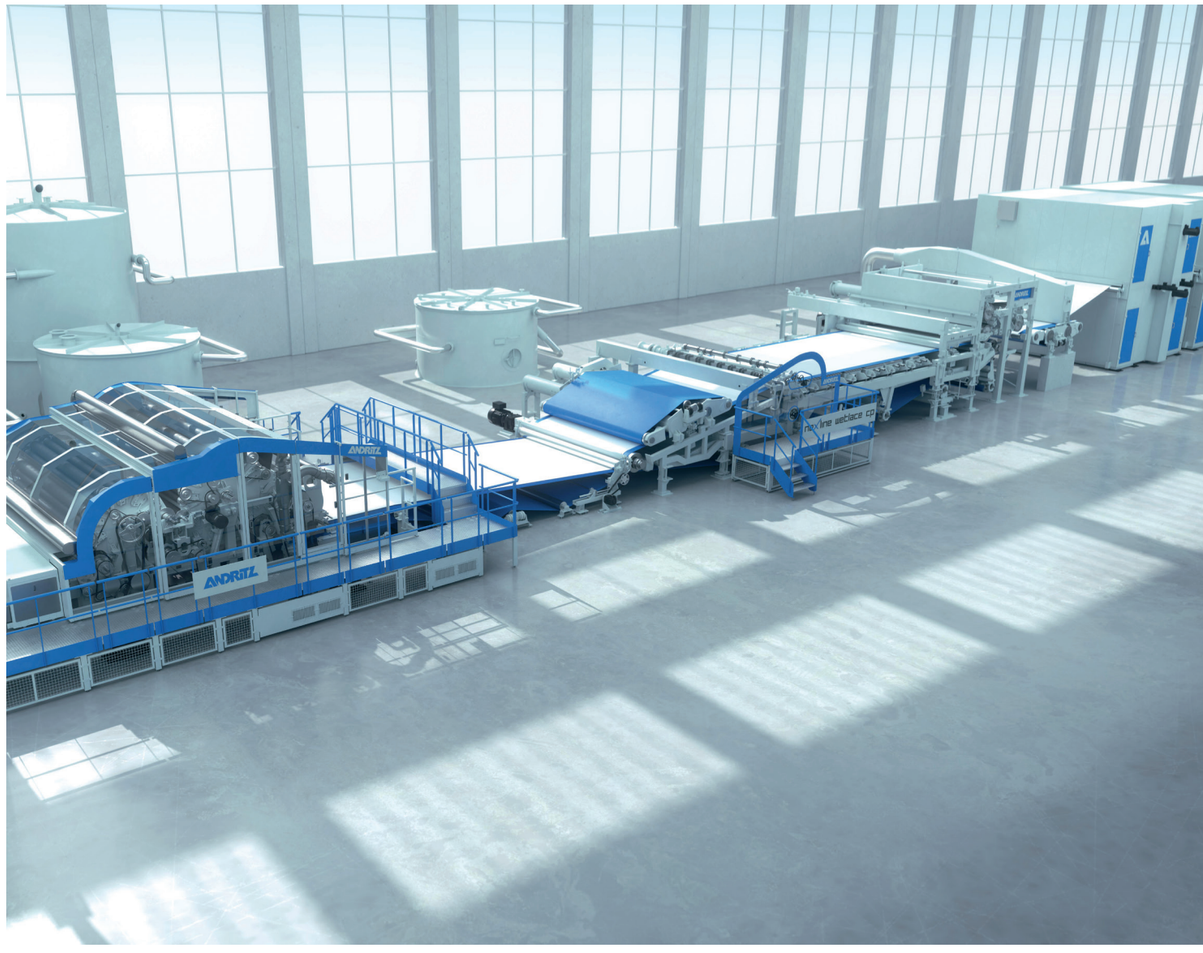
NEW

CUTTING-EDGE TECHNICAL CENTER FOR CP

To serve customers even better and offer the best possible R&D and service, ANDRITZ has upgraded its technical center in Montbonnot, France, to a Wetlace CP line. It is the first non-wovens test center for spunlaced wipes worldwide with integrated pulp formation. Customers can conduct trials and test all options for wipes together with ANDRITZ experts.

BENEFITS OF END PRODUCT IN COMPARISON TO OTHER SUPPLIERS' PROCESSES

- Less fiber losses
- Higher efficiency thanks to perfect integration of pulp
- Better linting behaviour
- Higher web quality
- Better MD:CD ratio due to TT card
- Better uniformity thanks to pre-wetting section



GET THE MOST OUT OF YOUR INVESTMENT

At ANDRITZ Nonwoven we know that your business depends on satisfied customers and efficient processes. That's why we support you in every aspect of your nonwoven production. Take advantage of technology that lets you produce consistent quality for decades to come. Profit from the highly efficient use of energy and raw materials that our production provides. You can rely on our responsive service teams who will protect your investment and optimize your processes. Experience how innovative approaches and digital services give you more control than ever before. With ANDRITZ, the leading supplier for the nonwovens market, you get the most out of your investment.

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