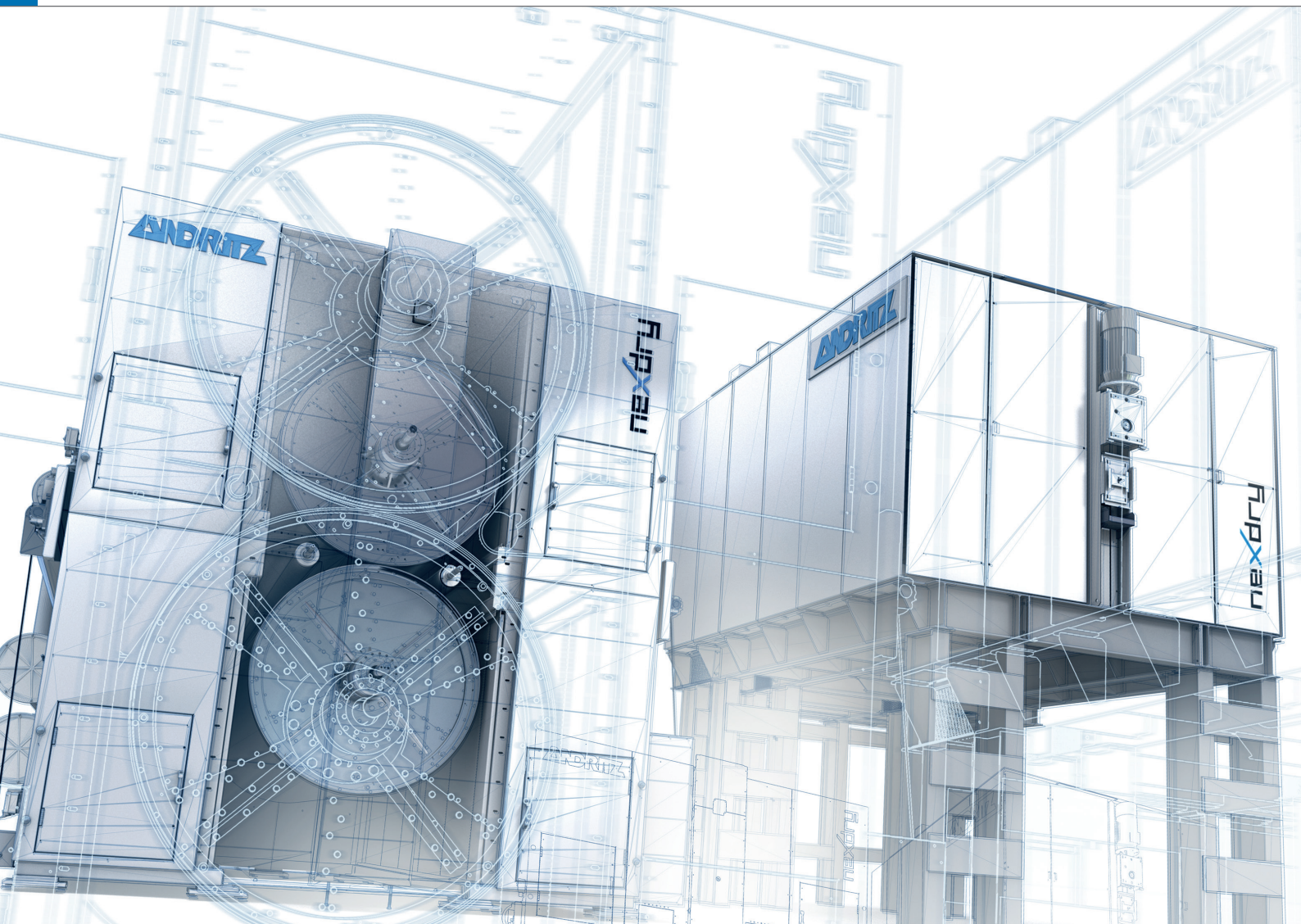


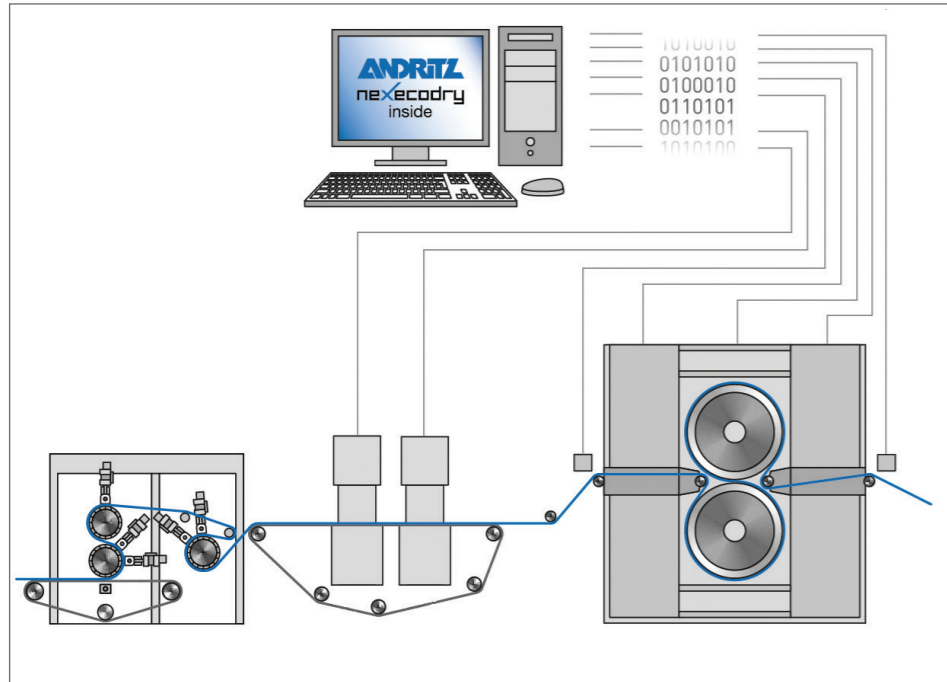
# Competitive drying solutions

Efficiency, reliability, and sustainability



# ANDRITZ neXecodry

## Nonwoven dewatering and drying technology



▲ Operating principle of the ANDRITZ neXecodry drying technology

### Benefits

- Up to 35% energy savings
- Premium quality nonwovens
- Available for new and existing lines
- Quick and easy installation
- Easy to use



▲ Energy consumption (thermal and electrical) for a complete spunlace line producing 50 gsm

The neXecodry drying technology, a combination of dewatering and drying technology, was designed by ANDRITZ Perfojet to make significant reductions in the energy consumption of existing spunlace, wetlace (wet-laid and hydroentanglement), and airlace production lines. Nonwovens producers achieve better quality fabrics with higher bulk and no pattern degradation.

energy recovery (patent pending) with virtually no losses. neXecodry is coupled with web temperature and moisture control (auto-tune), which automatically optimizes the process parameters in real time. neXecodry is delivered with an on/off control mode that allows plants to see the benefits of using this system in production.

### Quality obtained and maintained

In addition to the economic considerations, the quality of the nonwoven fabric is improved as a result of optimized drying and production stability.

It is important to understand what neXecodry does not do: it does not come into contact with the web, it does not alter the product properties, it does not degrade the web pattern, even with sensitive fibers,

and it will not overheat and overdry the product. These advantages maintain perfect conditions for premium quality nonwovens in terms of bulkiness and softness.

### Small size, but economically huge

While neXecodry is available for new production lines, it was also designed to be transported- and installed easily in existing lines and thus to improve the economics of any spunlace, wetlace, and airlace nonwovens plant.

The neXecodry solution from ANDRITZ Perfojet is an innovative approach that meets the main market requirements: the best quality of nonwovens produced so far, a sound economic payback, and easy installation and maintenance.

### What is neXecodry

neXecodry drying technology is a combination of three specific factors: initial dewatering of the web after the bonding process, achieved by means of vacuum extraction (neXecodry S1), dryer/exhaust heat circulation and recovery (neXecodry S2), and the new design of the dryer itself (neXdry). neXecodry is a further developed technical solution in which priority is given to direct

# ANDRITZ neXdry - innovative dryer

## for high-line capacity: neXline eXcelle



▲ neXdry drying technology designed for high line capacity at low energy consumption

### Benefits

- Versatility
- High performance
- Extremely durable
- Roll-out design
- Quick and easy maintenance
- Rope insertion available
- Deckle bands to set precise working width

### Characteristics

- 1 or 2 U-Drums
- Working width: up to 6 m
- Speed: up to 1,200 m/min
- U-Drum: 100% stainless steel
- U-Drum: large open area of 96%

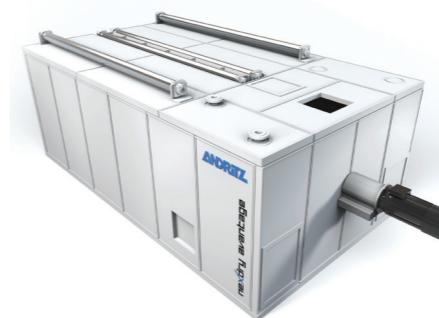
neXdry is a through-air dryer designed and manufactured by ANDRITZ and available for spunlace, wetlace, airlace, spunbond, and spunjet processes at very high production speeds. It includes high evaporation capacity and low power consumption for

electrical ventilation. neXdry is equipped with a completely new drum - the U-Drum (patent pending). It can be supplied with one or two drums depending on production characteristics. The U-Drum has an extraordinarily large open area of 96%, which

permits high air flow at low pressure drop for extremely efficient drying. Its structural rigidity and integrity are such that it can be offered on lines with large working widths. Producers can optimize their neXdry equipment with neXecodry technology.

# ANDRITZ neXdry Avantage - compact dryer

## for medium-line capacity: neXline aXcess



▲ neXdry Avantage: drying technology for medium spunlace capacity

neXdry Avantage drying technology is designed by ANDRITZ Perfojet and made by ANDRITZ Wuxi in China. This efficient dryer is the perfect solution to meet the demands of spunlace producers for a capacity range up to 12,000 t/a. This compact dryer, which can be integrated easily into the neXline spunlace aXcess hydroentanglement line, offers two types of heaters: gas burners or oil heat exchangers. It is supplied with the ANDRITZ rope insertion system, which allows easy web feeding into the neXdry Avantage through-air dryer.

### Benefits

- Compact design
- Low operating costs
- Quick assembly on site
- Easy to use

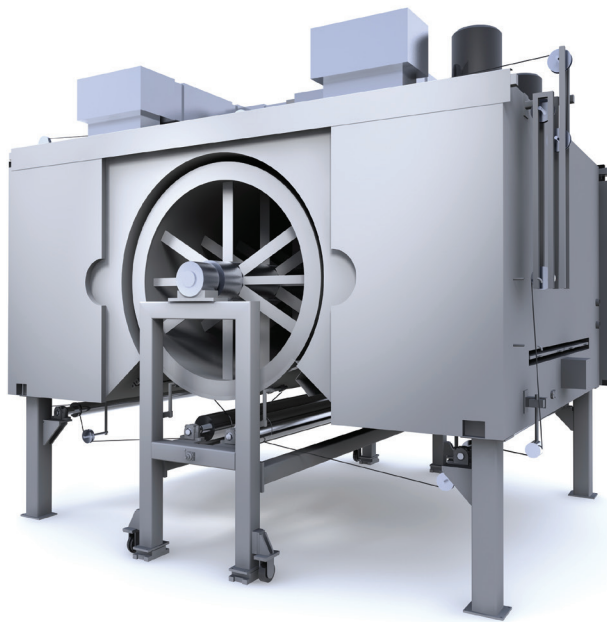
### Characteristics

- Standard drum diameter: 1.6 m
- Working width: 2.5 or 3.6 m
- Speed: up to 200 m/min



# ANDRITZ Perfodry 3000 - proven dryer

## for various processes



▲ Perfodry 3000 nonwoven through-air dryer with robust design

Two decades ago, ANDRITZ launched the Perfodry 3000 through-air dryer on the spunlace market. It soon became a reference in the spunlace industry and, then spread to the wetlace and airlace markets.

ANDRITZ Perfodry 3000 removes up to 1,300 l/h.m of moisture at the high through-put speeds of modern spunlace lines. Designed to provide optimum drying, the Perfodry 3000 has a simple and durable

### Benefits

- High moisture removal
- High energy efficiency
- Deckle bands to set precise working width
- Roll-out design
- Easy maintenance

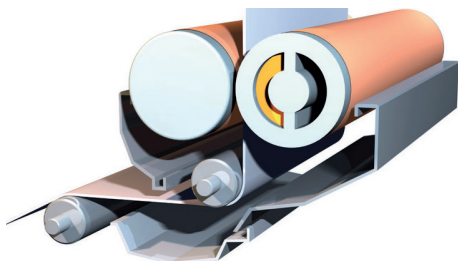
### Characteristics

- Working width: up to 5.5 m
- Speed: up to 400 m/min
- Drum diameter: 2.8 m

design. Wet and dry temperature zones can be adjusted individually and dry nonwoven fabrics while maintaining web bulk and softness. The neXecodry technology can be integrated partially into the Perfodry 3000.

# ANDRITZ neXaqua squeezer

## High-efficiency dewatering



▲ neXaqua dewatering device

ANDRITZ has developed the neXaqua high-efficiency dewatering device for use in wetlaid and all kinds of hydroentanglement processes. In combination with a suction device, the neXaqua system reduces residual moisture in the web considerably and is especially useful at high production speeds. This leads to a re-

markable reduction in energy consumption throughout the subsequent drying process. The deflection-controlled S-Roll technology provides an even dewatering effect across the entire material width, irrespective of the line force applied. The moisture profile zones (sides and center) can be set individually.

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