

## **WeCare PRIME**

High dewatering efficiency – Top performance  
Forming fabric for hygiene papers



# Your needs. Our motivation.

At ANDRITZ, our customers' requirements motivate us to develop innovative solutions.

## Our products offer

### Optimum sheet formation

- Perfect distribution of fibers
- High initial dewatering efficiency
- Good fiber retention



### Optimum fiber support

- Ultrafine paper-side surface
- Low marking tendency
- Optimum sheet release



### High lateral stability

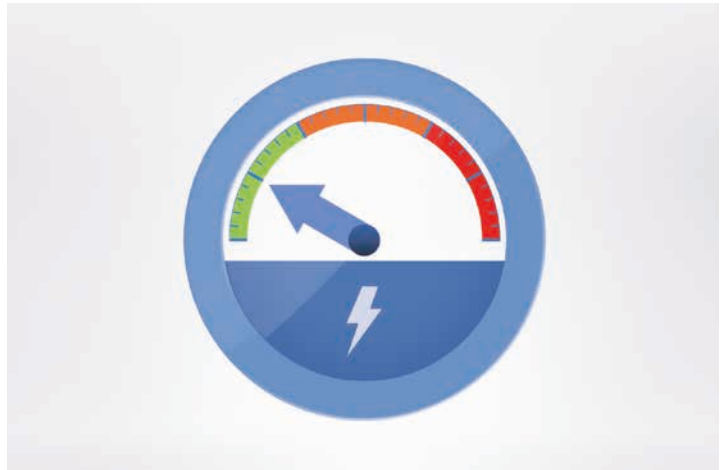
- Low fabric caliper
- Low void volume
- High dimensional stability



## Positive impacts on your process

### Energy savings

- Reduction in refiner energy
- Reduction in vacuum energy
- Reduction in drying energy due to high dry content



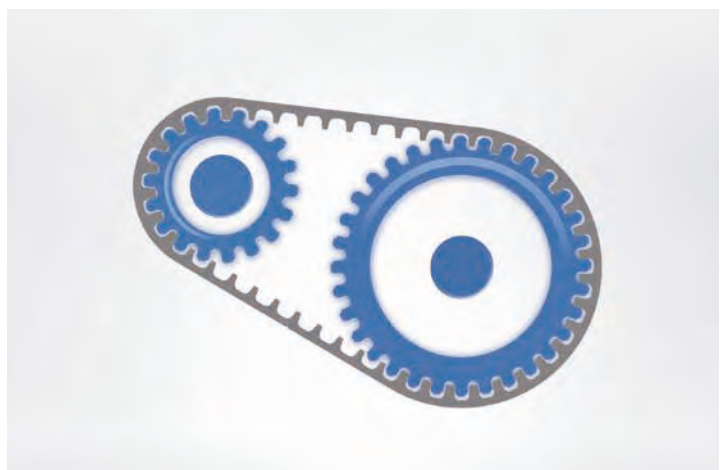
### Machine hygiene

- Easy to clean
- No water/fiber carryback
- High process reliability



### Machine efficiency

- Reduced downtimes
- Optimum life potential



# The challenge

## Process optimization that maintains high quality

The design of the tissue forming fabric largely determines the efficiency and effectiveness of your paper machine.



### Our goal

Top dewatering efficiency, high fiber support and effective mechanical retention are the key to improving your process performance.

### The solution

It takes just a few milliseconds to achieve:

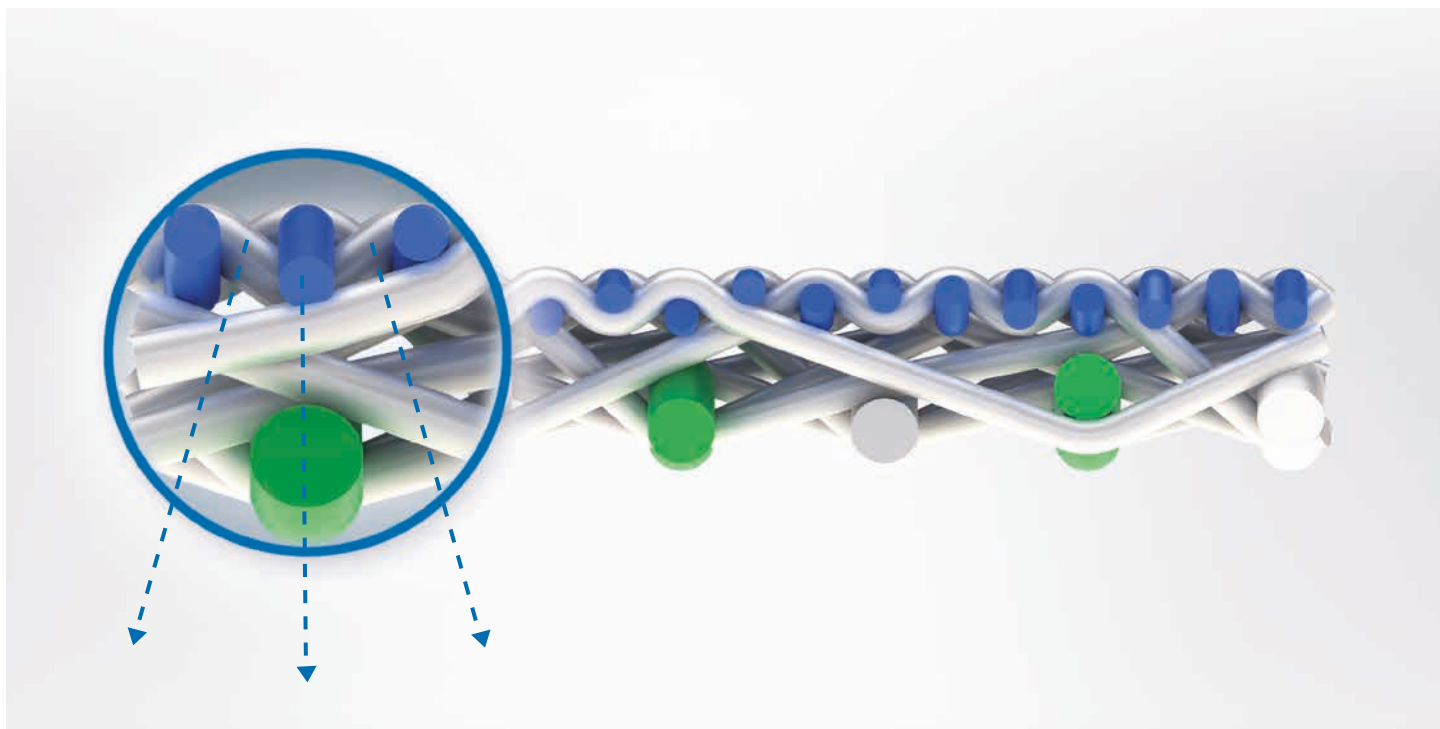
- Initial sheet formation
- Controlled dewatering

A decisive factor is the flow resistance of the forming fabric, which depends on the size of its contact surface, the “internal resistance” of the fabric structure, and its flow rate.

## Our solution

### We turn a bottleneck into a turbocharger

Adjusting flow resistance through the size of the surface open area (ps/ms) and the weft and warp system.



#### The outcome

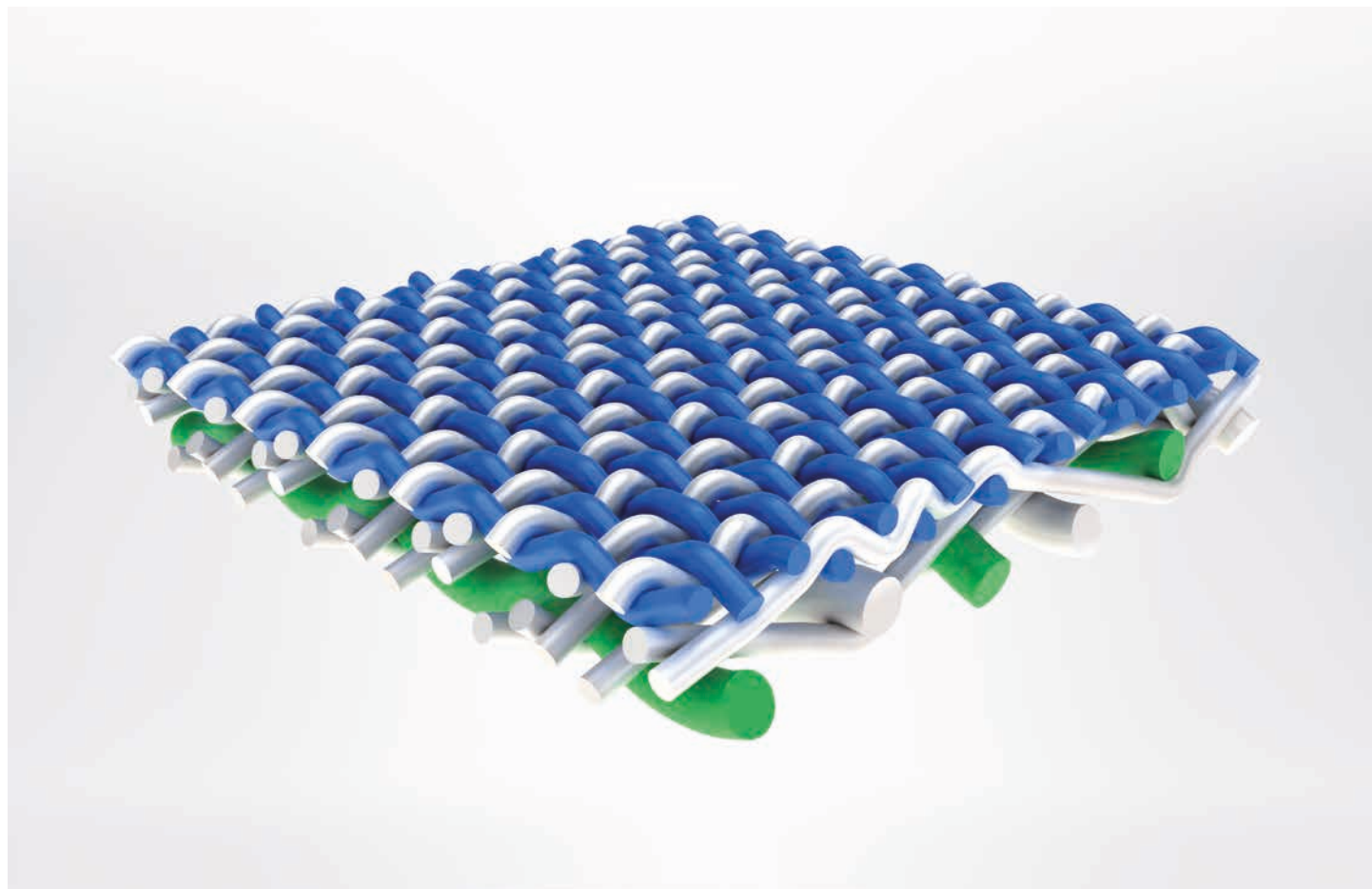
Ultrafine weave pattern on paper side, openness on the machine side – this is the concept for the forming fabric with turbo effect. The dewatering efficiency can be increased by controlled water management influenced by the fabric structure.

The balancing of characteristics, especially the paper side cross-oriented fabric surface, leads to a bulky, very soft but most of all strong tissue base paper which allows downstream processing at a very high finishing speed.



# WeCare PRIME

The result of intelligent product design:  
WeCare PRIME products offer you all the features necessary for premium quality tissue.

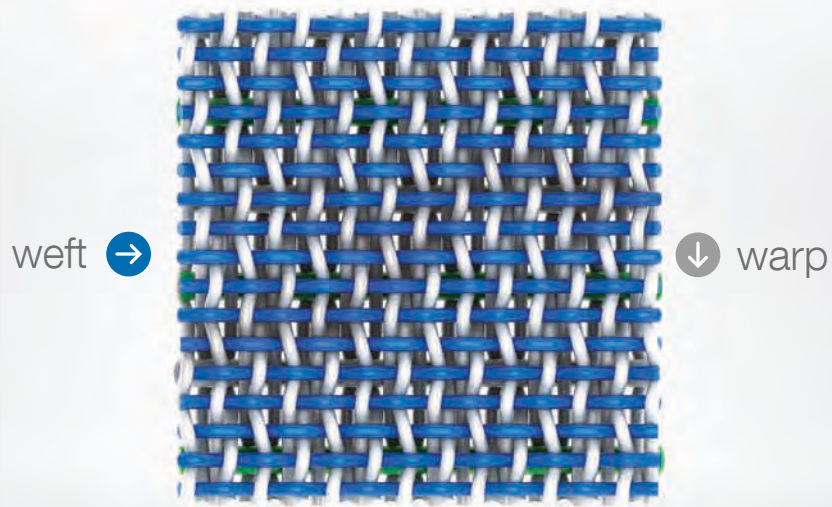


## Characteristics of tissue forming fabrics

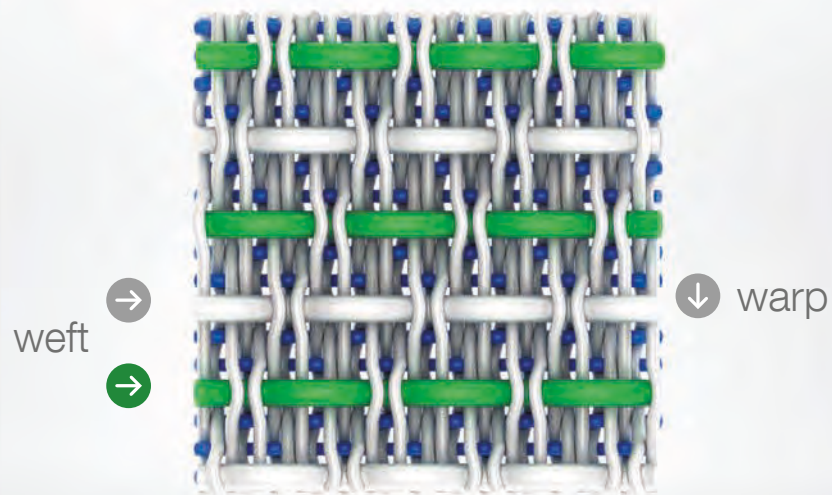
- Low diameter weft and warp filaments on paper side
- Low fabric caliper
- Low void volume

## Patented technology

- Special bonding of machine-side wefts result in better dimensional stability



▲ paper side



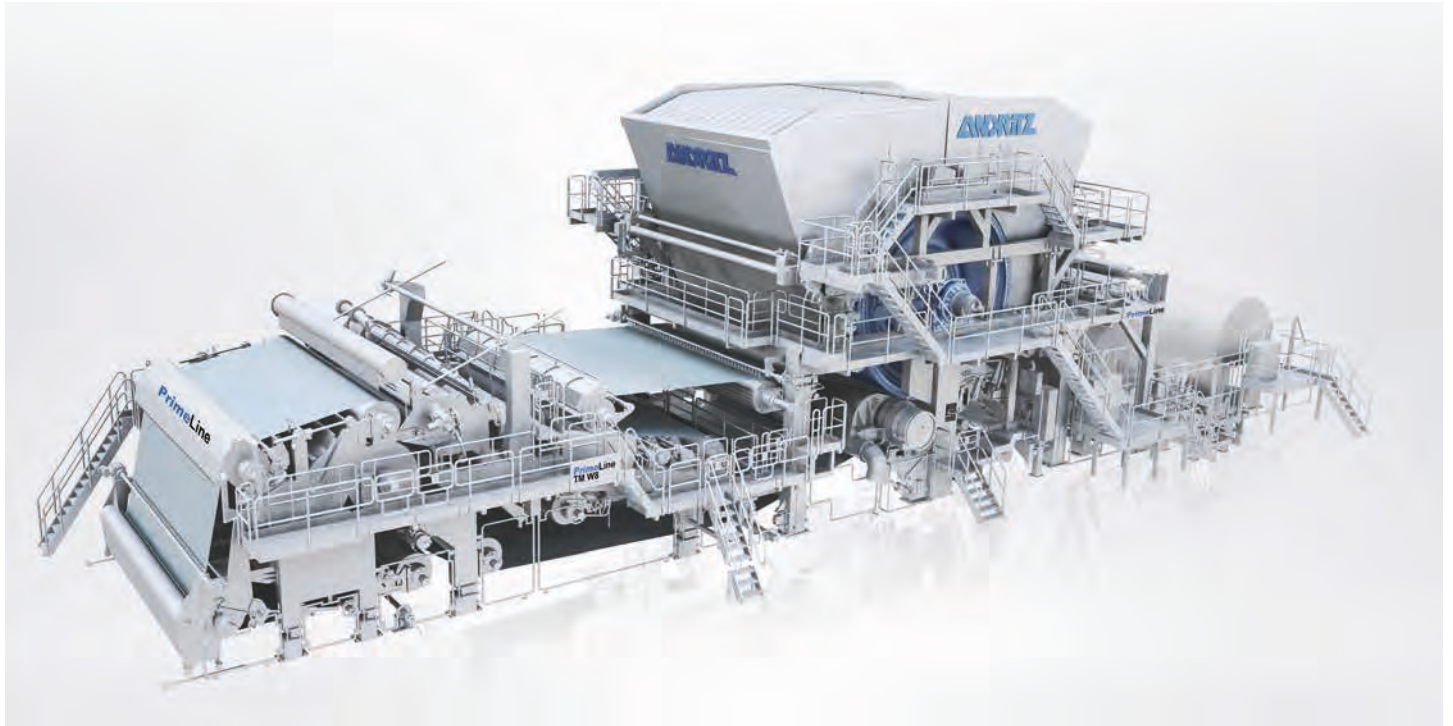
▲ machine side

### Optimum results

- Controlled initial dewatering
- Maximum fabric strength
- Extensive elimination of water carryback at progressive machine speed

# ANDRITZ

Take advantage of sound process know-how from a single source



## Experienced in innovation

With more than 200 years of experience in the paper industry, our products are nowadays perfectly tailored to ensure a positive and lasting impact on your process efficiency. All design innovations focus on quality, productivity and energy efficiency, independent of the paper machine manufacturer and configuration

## WeCare PRIME

- High dry content and strength due to initial dewatering efficiency
- Significant potential for savings in refining and vacuum
- Higher service life potential and maximum fabric strength
- High machine efficiency and improved machine hygiene

### ANDRITZ Kufferath GmbH

Lommeseßstraße 32,  
52353 Düren, Germany  
Phone: +49 (2421) 8010  
kufferath@andritz.com  
www.andritz.com

### ANDRITZ AG

Stattegger Strasse 18  
8045 Graz, Austria  
Phone: +43 (316) 6902 0  
pulpandpaper@andritz.com  
www.andritz.com