



PULP & PAPER

SMOOTH AND ENERGY EFFICIENT OPERATION

**SCREEN BOOSTER
OPEN SLANTED FOIL DESIGN**



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THE VIDEO**

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ANDRITZ AR APP

ANDRITZ

ENGINEERED SUCCESS

ANDRITZ Screen Booster rotor upgrade

The Screen Booster rotor upgrade to OPEN SLANTED foil design is another smart solution to boost your screen and maximize your profits

SCREEN BOOSTER SMART SOLUTIONS

Introducing Screen Booster – the modular upgrade solution for highest screening performance. Boost your screens to the maximum and optimize your profits. With a perfectly running screening room, you can

save a lot of money by cutting fiber losses, reducing maintenance requirements, and improving screening efficiency as well as by savings in energy costs. ANDRITZ has developed the Screen Booster concept to reach the full potential of your screen, no matter what make or model.

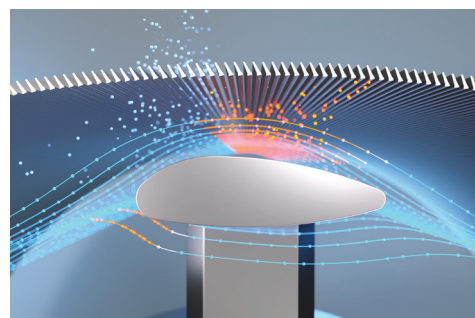
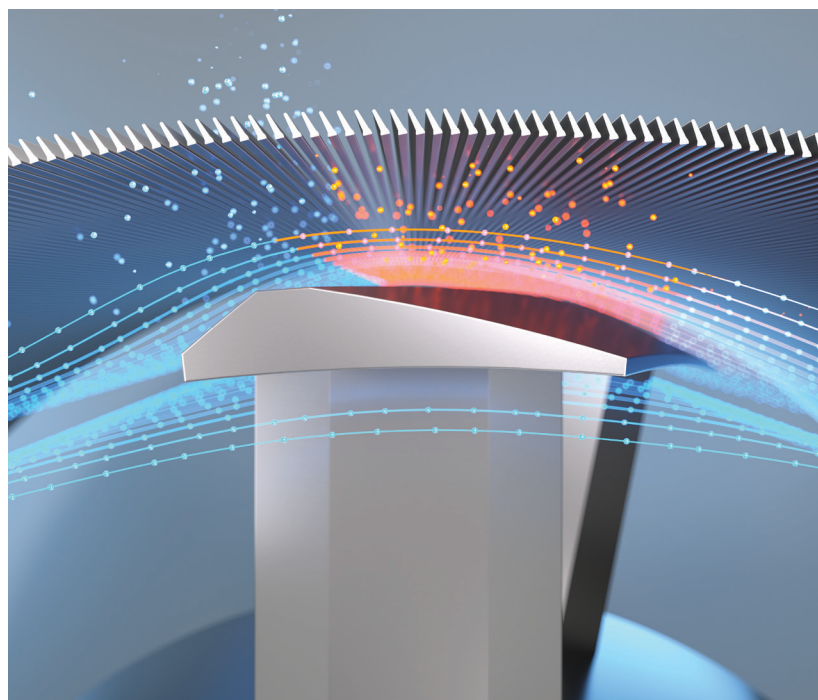


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OPEN SLANTED foil design

The Screen Booster upgrade to OPEN SLANTED foil design is made to optimize your specific headbox application

ANDRITZ has developed an innovative solution to optimize the performance and energy consumption of your headbox application: The OPEN SLANTED foil. Compared to classic foil designs the key performance parameters could be improved significantly. Reduce plugging risks to a minimum and benefit from a smooth operation with highest fiber yield.



CLASSIC OPEN STRAIGHT FOIL

- The drop-like shape provides increased rotational resistance
- The strong pressure zone with turbulences on the foil back shape can cause unwanted pulsation
- The suction zone provides reliable efficiency for most, but not all process requirements

NEXT GENERATION: ANDRITZ OPEN SLANTED FOIL

- The hydrodynamic geometry ensures excellent pulp fluidization and reduced stress on the screen cylinder while minimizing fiber losses
- The slim and convex shape provides lowest rotational resistance
- Motor load and energy consumption are reduced significantly
- The foil ergonomy with its softer pressure zone ensures smooth operation with minimum pulsation
- The enlarged suction zone is providing higher efficiency in removing contaminants
- The slanted foil design leads reject through the screening room thus reducing the risk of plugging and stringing of fiber bundles

REALIZE THE FULL POTENTIAL OF YOUR SCREEN AND PROFIT DIRECTLY FROM

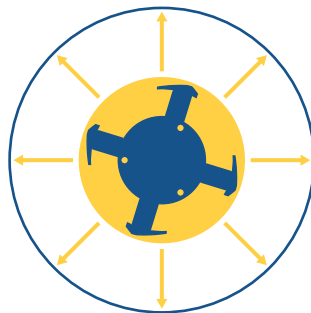
- Smooth operation with lowest pulsation
- Minimized plugging risk
- Significant energy savings

Optimized results with specialized rotor designs

ANDRITZ OPEN SLANTED rotors are customized to your specific process needs backed by in-depth technology and process expertise to ensure your production goals



OPEN 170



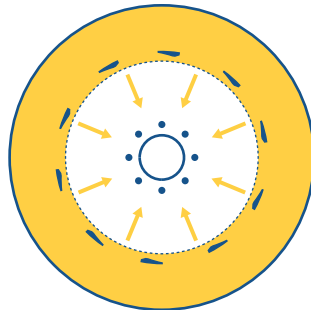
Centrifugal (outflow) screen

OPEN 170

The centrifugal screen design is particularly effective in applications where the stock contains a high concentration of contaminants or heavy impurities.



OPEN 230



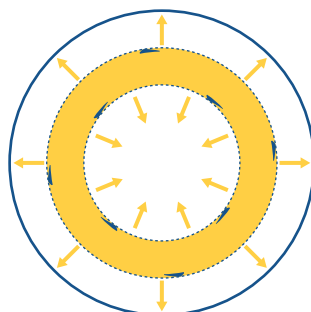
Centripetal (inflow) screen

OPEN 230

Centripetal screens are especially suitable when the stock has a high content of usable materials and the goal is to maximize retention while ensuring effective separation.



OPEN 330



Centrifugal and centripetal double screen

OPEN 330

By incorporating both outflow and inflow mechanisms, the double basket screen provides a comprehensive solution for diverse stock compositions and process requirements.



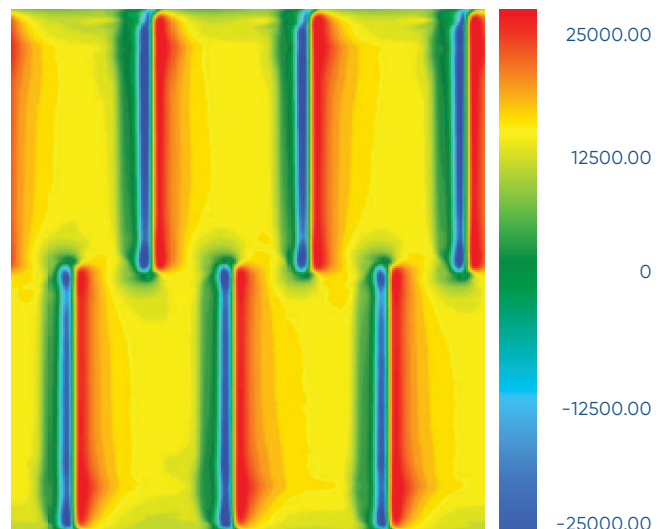
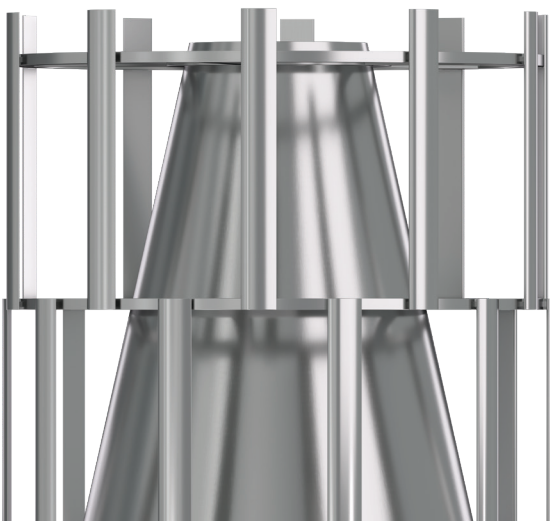
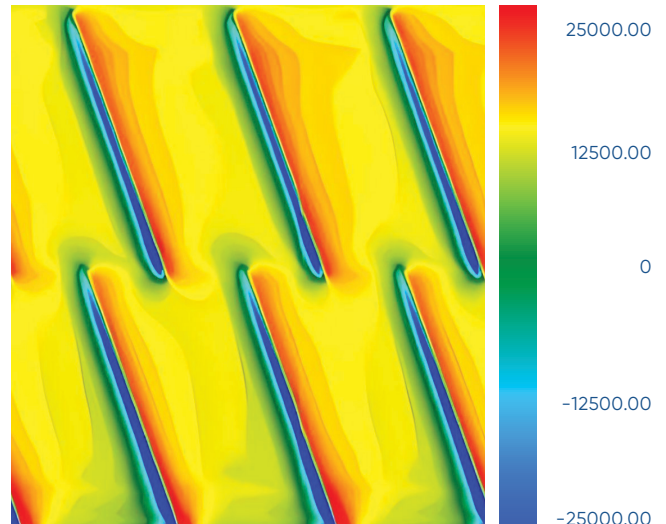
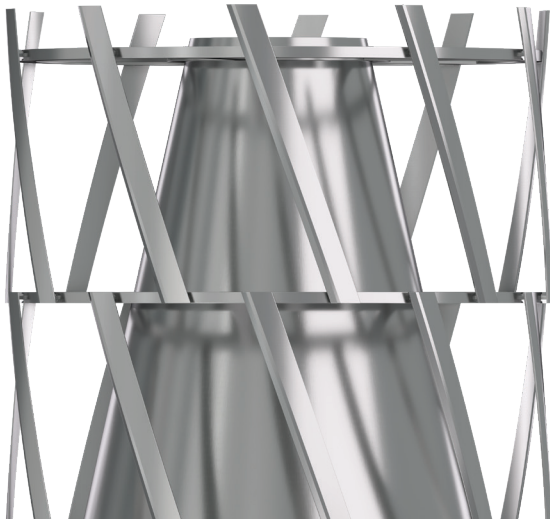
True innovation based on R&D

Engineering at ANDRITZ is based on scientific research and analysis enabling true innovation to the benefit of our customers

ANDRITZ PULP & PAPER's continuous research and development activities focus on supporting customers to achieve sustainable production with higher capacities as well as higher energy efficiency and at the same time minimizing the consumption of energy, chemicals, and water. ANDRITZ continues to drive technological advancements, develop cutting-edge solutions, and meet the evolving needs of industries worldwide.

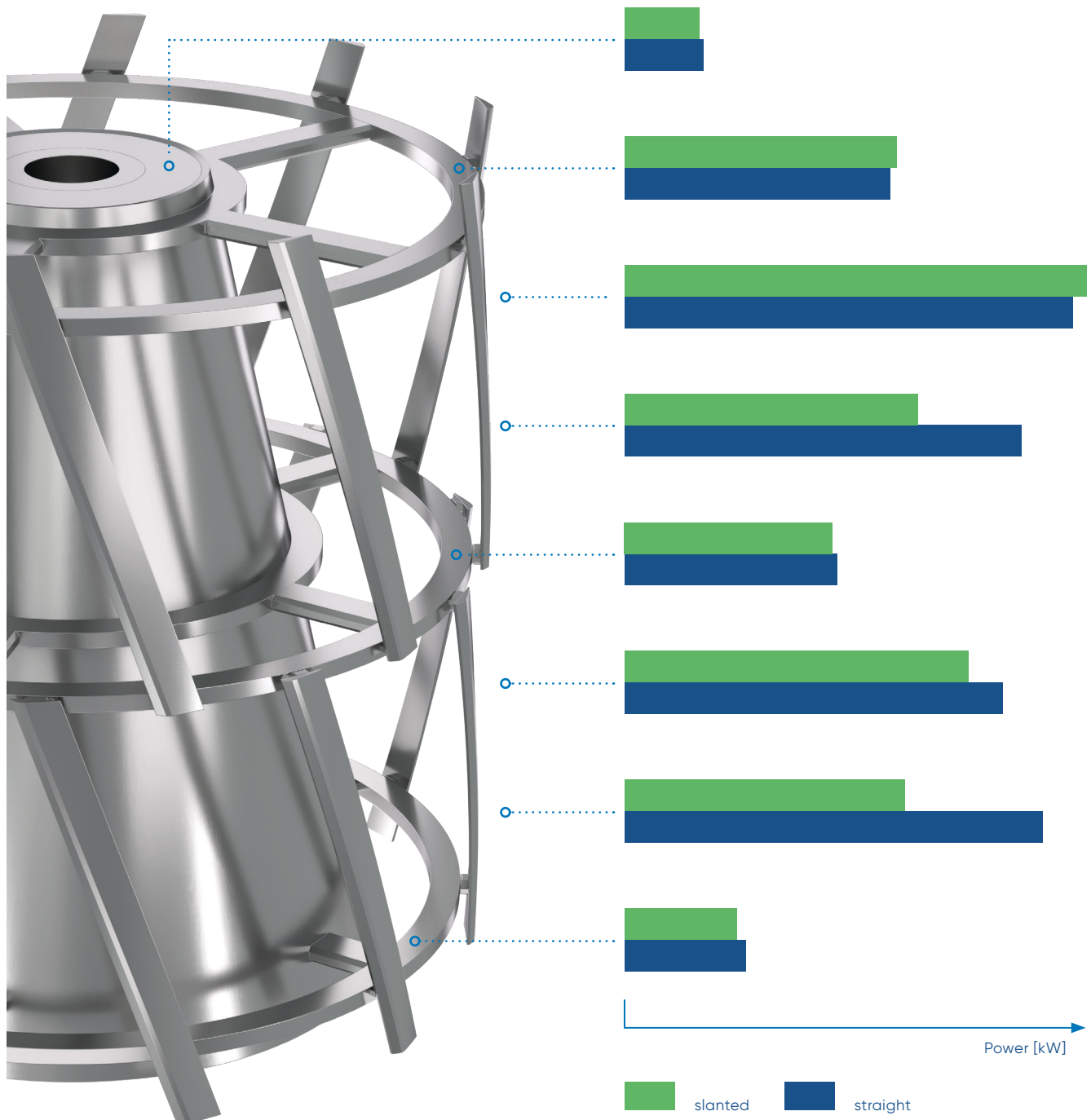
PROVEN INNOVATION

By combining the power of Computational Fluid Dynamics (CFD) analysis, our dedicated laboratory for state-of-the-art trials and analysis, and leveraging expertise from across the entire ANDRITZ Group, we can optimize designs, enhance performance, and predict outcomes with a higher degree of accuracy. This can be demonstrated by the innovative OPEN SLANTED foil design providing significantly improved flow characteristics.



Significant energy savings

ANDRITZ OPEN SLANTED rotors offer reduced power consumption compared to straight foil designs



Exemplary power consumption of the cone, rings and the lower and upper parts of the foils



AUGMENTED REALITY CONTENT

To view videos in a more direct and lively way, we added augmented reality to some parts of this brochure. Download our ANDRITZ AR APP on our website or in the AppStore/PlayStore! Scan the marked pages and experience the enhanced content.

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