



PANELBOARD

INTEGRATED QUANTUM (IQ)

REINVENTION OF THE BEST PLATE DESIGN

ANDRITZ

ENGINEERED SUCCESS

Integrated Quantum (IQ)

Reinvention of the best plate design.

The new IQ (Integrated Quantum) design addresses the different ways in which rotor and stator plates behave. Unlike more traditional plate designs, the IQ features a low refiner bar angle on the rotor combined with a very high angle on the stator. This ensures that the rotor creates a thicker fiber pad due to the increased restriction, resulting in increased refining action together with a substantial reduction of dust generation. The use of a strong-feeding stator keeps the specific energy consumption lower than when restrictive plate patterns are used on both sides.

While providing enhanced fiber properties, the IQ provides all the benefits of our universal Quantum designs, such as the high breakage resistance due to the very

strong refiner bars at the inner diameter, as well as the virtually endless number of possible design variations, which can accommodate each customers' specific needs.

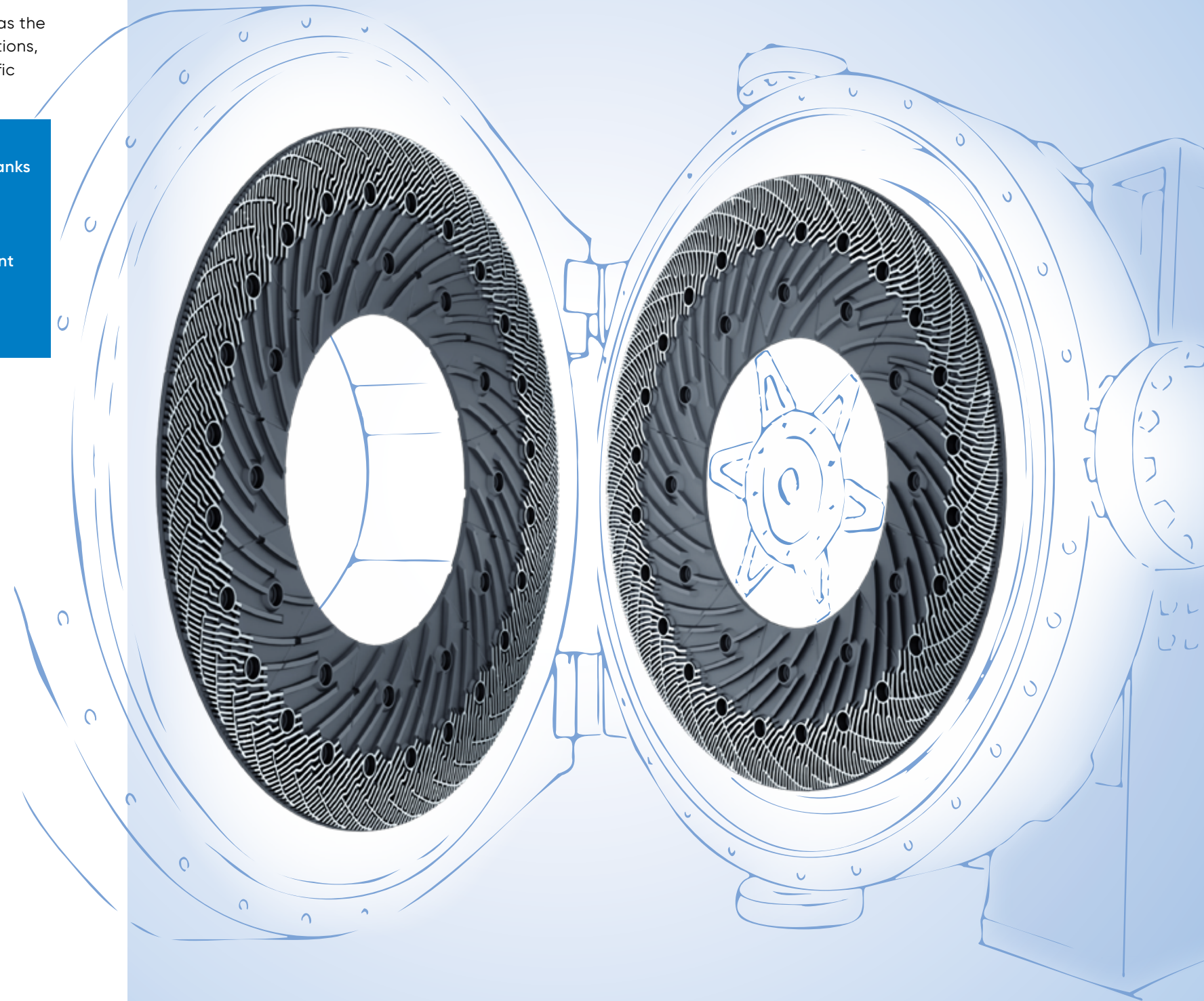
BENEFITS

- Lower specific energy consumption (SEC) thanks to very aggressive stator angle
- Less dust due to more even fiber pad and refining action
- High breakage resistance thanks to intelligent refiner bar design
- Highly customizable, with a virtually endless number of possible design specifications

The IQ rotor segment with holdback bar angle to control the fiberpad.



The IQ stator segment with higher bar angle to keep the SEC on a low level.





FIND OUT THE BEST SOLUTIONS FOR YOUR REFINING NEEDS: PLEASE CONTACT YOUR REGIONAL KEY ACCOUNT MANAGER.

We will take up your challenges! For more information about ANDRITZ's services, please visit andritz.com/refiner-plates for details.

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