



JOIN THE DUAL REVOLUTION

**ANDRITZ UTurn[®] Screen Rotor for
energy savings in a new dimension**

ANDRITZ

ANDRITZ UTurn[®] dual Screen Rotor

The innovative UTurn[®] Screen Rotor offers two independent rotor units, operated with only one drive – for unprecedented process adaptability and maximum screening efficiency.

Two individually operable rotor units

Inner hollow shaft ball bearings

Outer ball bearings

Hollow shaft with two drive axles for independent operation of the upper and lower rotor unit

Outer roller bearings

Inner hollow shaft roller bearings

Modular shaft package design for easy maintenance

No modifications to existing motor and housing required

Upper belt tension adjustable with motor position

Additional tensioner for lower belt

*Separate lubrication channels for each bearing

Optimized flow management

Harmonized velocities of stock flow and rotor do the trick – resulting in an unprecedented reduction of energy absorption

The innovative UTurn® rotor technology generates significant energy savings to both existing and new screening equipment. Its unique and innovative dual rotor design (patent pending) enables speed adjustments to match screen requirements, applying less energy where not needed and increasing rotation where required – all with a single drive. The existing motor can still be used. No modifications to the housing are required.

While standard rotors must compromise on operational speed and energy efficiency, the ANDRITZ UTurn® rotor adapts to the actual process requirements. The lower rotor operates at the speed required for a stable process. The top rotor, however, can run at a lower speed, better adjusted to the incoming stock. The harmonization of flow and rotor speed results in significantly lower energy absorption and an unprecedented improvement in overall energy efficiency.

Highest operational flexibility

UTurn's dual-rotor technology allows variable configurations to perfectly match process requirements.

- Individually adjustable rotational speed
- Individual foil designs each rotor unit
- Adjustable height ratio (e.g. 1:1, 2:3)

Enhanced screening efficiency

The UTurn® rotor ensures smoother flow into the screen room and superior handling of fiber suspension, delivering unparalleled screening efficiency.

Extended lifespan

The optimized flow characteristics made possible by UTurn's innovative engineering minimizes wear on the rotor and all other critical mechanical parts of the screen. This reduces maintenance costs and significantly extends the lifespan of your equipment.

WATCH THE VIDEO

ANDRITZ UTurn®
andritz.com/uturn



Energy savings in a new dimension

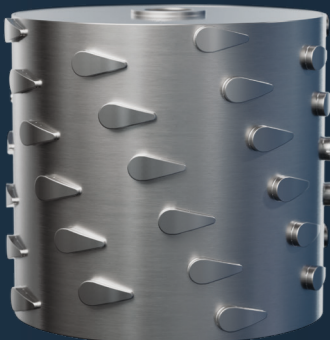
ANDRITZ has proven to deliver significant energy savings. With the ANDRITZ UTurn® Screen Rotor you can achieve energy savings up to 25% compared to Dolphin® rotor, and up to 40% compared to a standard rotor, and even beyond depending on your process environment. The UTurn® rotor's energy savings sig-

nificantly reduce carbon emissions, contributing to a greener planet and let you achieve your ESG targets effortlessly. Lower your operating costs with a quick return on investment. It's the cost-effective upgrade your equipment needs.

15%
ENERGY SAVINGS

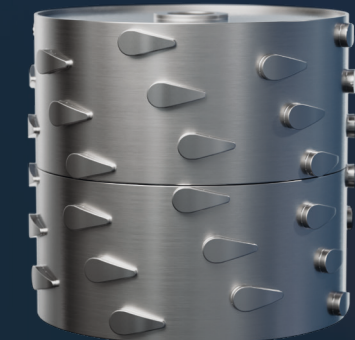


Standard



ANDRITZ Dolphin®

40%
ENERGY SAVINGS



ANDRITZ UTurn®

ANDRITZ UTurn® - Join the dual revolution

- Unprecedented energy savings
- Optimized screening efficiency
- Reduced wear and maintenance costs
- Environmental benefits and ESG compliance
- Quick return on investment



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