

# Unique geometry for maximum energy savings

## EclipseR Rotor



### **Cutting-edge wear resistance and reliability**

Generally, the reject content of the raw materials is subject to significant variation. However, the rotors and screen baskets used can often barely withstand the high levels of impurities and wear out after just a short time. As a result, the products need to be replaced frequently and there is a high maintenance requirement associated with rising costs. Not anymore – with its new EclipseR rotor Voith has launched a strong, energy-saving and maintenance-friendly rotor on the market.

Longstanding experience and modern CFD analyses were the basis for the exceptional foil geometry of the EclipseR rotor. Not only does it facilitate maximum throughputs at stock consistencies of up to 5 % with high or low levels of contaminants, it also ensures efficient and reliable screening. The EclipseR rotor is already being used successfully in a number of production lines.



Welcome  
to the Next  
150 Years

### Cut your energy input by up to 35 %

Thanks to the new rotor design and innovative foil geometry, the energy consumption in the screening process can be reduced by up to 35 % compared to former models. This is particularly enabled due to the lower peripheral rotor speed needed to keep the flow through the screen unobstructed.

### Maximum service life and efficiency

Due to the new geometry and clever arrangement of the foils there is a stronger suction impulse, enabling a reliable unobstructed flow through the screen and increased production capacity. The resulting lower peripheral speeds guarantee gentle screening and extend the service life of the screen basket and rotor.

### Area of application

The EclipseR rotor can be used in stock preparation, reject and pulp screening for the production of graphic papers, board, packaging papers and pulp and covers all applications and consistency ranges of up to 5 %. It can be used in Voith screening systems and all common machines from other manufacturers, whereby the distances between rotor and screen basket wall are adjustable depending on the area of application. The EclipseR rotor can be combined with hole and slotted screen baskets.

### Optimization courtesy of ScreenFit analysis

To achieve the greatest possible screening efficiency for a single machine or system, Voith offers on-site ScreenFit analysis. Voith experts compare your screening system against the grade and region-specific system benchmarks from the extensive ScreenFit knowledge database. Based on the results of the analysis you receive a recommendation tailored to the specific application for the optimum combination of rotor and screen basket.

### Your benefits

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- + Reliable screening even in the case of high reject content
- + Energy consumption is reduced by up to 35 %
- + Universally applicable for all screen baskets and stock consistencies up to 5 %
- + Maximum cleaning efficiency
- + Wide range of rotor speeds, machine types and levels of contamination covered
- + New rotor design increases production capacity
- + Gentle screening operation extends service life of screen baskets



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