EclipseRotor™

High screening performance with reduced energy inputs

The EclipseRotor™, developed specifically for screening applications that are energy-intensive and heavily loaded with impurities, facilitates optimal screening efficiency with reduced energy inputs because of its novel foil geometry and configuration.

In a DIP facility, using an EclipseRotor for hole screening reduced energy input by 25 percent while improving screening efficiency by 33 percent. The flat, but effective, foil geometry of the EclipseRotor generates a strong suction impulse and keeps the screen free for maximum throughput, even with pulp consistencies as high as 5 percent.

Customer benefits

- Highly efficient screening effect
  - ideal differential speed between rotor and pulp suspension
  - high clearing effect on screen basket surface
- Energy saving screening
  - the latest foil geometry and configuration allows low rotational speeds
  - lower rotational speeds reduce screen basket surface wear and thus provide longer running times

![Graph showing decrease in power consumption and increase in screening efficiency](image)

1  Case study: DIP hole screening
2  EclipseRotor™
EclipseRotor™ – High screening performance with reduced energy inputs

Areas of application
Voith EclipseRotors were developed for use in stock preparation, for broke and virgin pulp screening for Voith screens, and for the centrifugally operated pressure screens of all current competitors (including Andritz, Aikawa, Metso, Black Clawson and Tampella, among others). These rotors can be used in both hole screening and slot screening. Various screen basket rotor gaps are available, depending upon the area of application.

Options and possible combinations
To achieve the best screening efficiency for a machine or system, Voith offers an on-site ScreenFit™ analysis. This analysis enables Voith to design a customized screen basket and rotor set to maximize performance gains. The EclipseRotor™ can be combined with all C-bar™ slot and hole baskets.

Maintenance intervals and services
Voith technicians work on a case-by-case basis to determine the optimal service intervals for your new rotor. Our technical customer service center is available for further information and targeted advice.

References
Efficiently meeting customized requirements, Voith EclipseRotors set the highest technological standard worldwide for screening — in the most varied applications for graphic paper, board and packaging, and virgin pulp. Nearly all large international pulp-and-paper producers now use the EclipseRotor™, the latest in a rich tradition of product innovation.

Further information

- Link to Product finder:

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