



Energy-efficient sorter for the best screening performance

IntegraScreen

High-quality screening in stock preparation

Screening systems are used in various phases of stock preparation and papermaking for all kinds of furnish. To achieve long and reliable runability, high sticky reduction efficiencies of screening systems should be possible. Furthermore, the fiber losses have to be reduced to a minimum to save deposit cost.

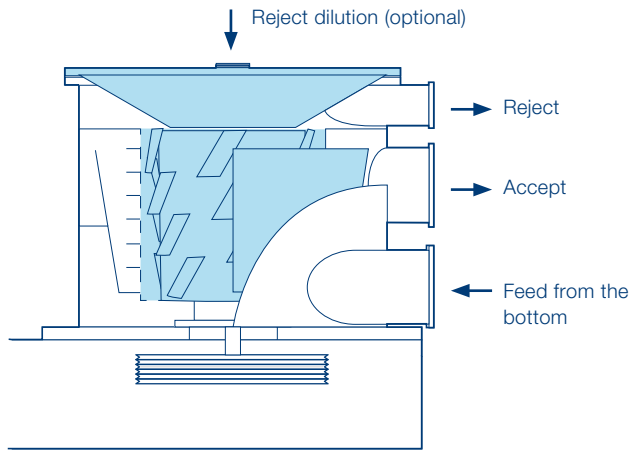
The flow-optimized machine housing of IntegraScreen enables consistently high-quality screening results in stock preparation. The best screening efficiency can be achieved with the use of the screening equipment from Voith. The assembly of basket and rotor from the top of the machine reduces maintenance time and cost.

Optimized machine housing saves costs

The improved housing design of IntegraScreen generates constant flow and pressure conditions around the basket. In combination with MultiFoil rotor and C-bar screen basket from Voith, the optimal pressure conditions lead to high sticky removal efficiency. As a result, higher runability of the paper machine as well as increased paper quality can be achieved.

In addition, the design generates cost savings for energy and additional machine parts, like piping, valves and pump. Therefore, the discharge of the light reject via the standard reject pipe is possible.

IntegraScreen functional description



Your benefits

- + High separation efficiency
- + Reduced fiber loss
- + Low energy consumption
- + Reduction of investment cost due to simple system integration
- + Low maintenance cost

Internal reject circulation improves runability

The up-flow principle of IntegraScreen enables the integration of the former external reject recirculation, preferably at the final stage. Thus the flow condition on the basket as well as steady constancy at the basket will be improved. Consequently, the thickening of the reject can be reduced to a minimum.

Moreover, due to the internal recirculation an additional reject dilution can be integrated. Therefore, clogging caused by too high thickening can be avoided, and accordingly the runability of the machine will be improved. Furthermore, the optimization allows operation at higher consistencies and thus an increased yield.

BlueLine – sustainable solutions for the future

IntegraScreen is part of the new BlueLine product line, due to its resource-saving features like lower energy consumption, higher runability and reduced fiber loss.

The product line is tailored to the needs of the modern, environmentally friendly paper industry. With BlueLine, customers profit from proven Voith quality and reliability and at the same time low energy and water consumption, reduced fiber loss, enhanced safety and low maintenance costs. The product line combines resource-saving machines of stock preparation.

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