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VOITH

Outstandingly reliable and efficient pulping

IntensaDrum

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IntensaDrum technology ensures quality and efficiency

An effective pulping process for recovered paper requires special machine technologies that meet the various requirements of the paper industry. IntensaDrum is a machine developed by Voith for efficient pulping of stock consistencies up to 18% and for gentle and effective separation of fibers and contaminants.

IntensaDrum is already set for current trends such as the clear increase in the reject portion of recovered paper and the constantly rising recycling rate. Thanks to the machine technology optimized by Voith, the quality of board and packaging paper, for example, is kept at the same high level here.

IntensaDrum makes the difference

The Voith IntensaDrum is practically free of maintenance, since the machine has a maintenance-free and wear-free inlet chute. The highest safety standards allow danger-free entry into the drum via the open reject outlet for maintenance or inspection.

The water input via an additional bundled water jet provides for immediate dilution of the suspension from 18% pulping stock consistency to 10-12% screening stock consistency. Fiber loss and flake content in the accepts are significantly reduced. In addition, specific energy consumption and the use of chemicals are substantially less due to the high stock consistency.

IntensaDrum portfolio overview

Installation size	ID25	ID30	ID33	ID35	ID38	ID40	ID43	ID45
Production [bdmtpd]*	150	300	450	600	800	1 100	1 450	1 800
Diameter [m]	2.5	3	3.25	3.5	3.75	4	4.25	4.5
Length [m]	14	19	22	24.5	28.5	31	36	40
Installed capacity [kW]	132	250	400	560	800	1 000	1 500	1 800

*only valid for ONP/OMP

1 IntensaDrum has proven at various installations

2 Robust and reliable pulping with IntensaDrum

Highlights of IntensaDrum

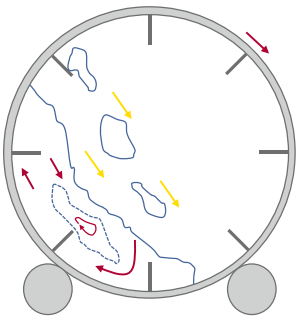
+ Flexibility
+ Reliability
+ Maintenance-free
+ Efficiency
+ Runability

The principle of IntensaDrum

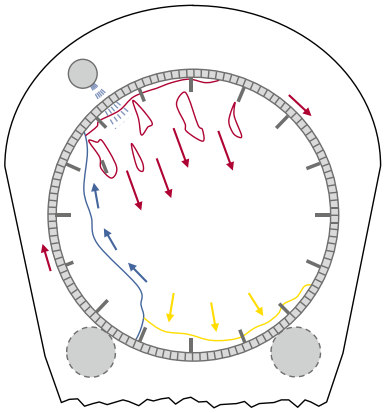
IntensaDrum consists of a pulping and a screening section. In the pulping section, special lifting bars lift the suspension and let it drop back onto the drum body. There is no rotor to crush the contaminants. The bundled water jet shoots water through the open reject outlet directly into the first part of the screening section. Here, the suspension is immediately diluted to 10-12% stock consistency.

In the screening section, the fiber suspension is lifted according to the same principle and dropped onto the perforated drum body. Water can get into the drum from the spray pipes through numerous holes so as to wash the fibers out separately from the contaminants. Thus clean separation takes place already in the pulping stage without damaging the contaminants.

Interior view of pulping drum principle



Interior view of sorting drum principle



This brochure contains Augmented Reality

Download the interactive IntensaDrum app, scan the image on the front page of this brochure with the camera of your tablet or smartphone and discover more.

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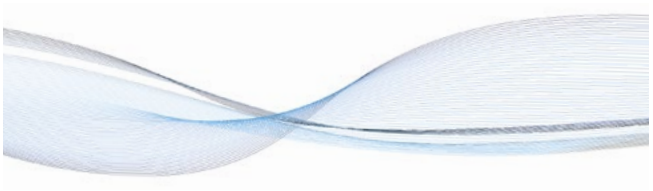
Part of BlueLine stock preparation



With the innovative stock preparation products of the BlueLine family, customers profit from proven Voith quality and at the same time lower costs for energy, fiber, water and maintenance as well as enhanced runability and safety.

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