



Excellent cleaning of forming and press fabrics

CleanLine Excell

Tissue producers are suffering from the high cost of virgin fiber and poor quality of recycled fibers. Replacement of virgin fiber with recycled fiber causes more contamination of the fabrics resulting in quality problems such as pinholes and runnability issues. The Voith CleanLine Excell is a very effective traversing cleaning system that gives consistent and uniform cleaning of the surface and structure of forming and press fabrics to create a wider operating window for tissue production.

Cost savings

CleanLine Excell allows tissue producers to replace raw material with recycled fibers and broke from converting which leads to high cost savings. Moreover, it significantly reduces chemical cleaning and consumes less water than high pressure showers. CleanLine Excell improves paper quality, overall runnability and productivity of the tissue machine by maintaining the performance of the forming and press fabrics.

MSD nozzles are used across the fabric for consistent cleaning



Superior jet design

Conventional cleaning showers use oscillating or fixed high pressure needle jets that cause variation and uneven cleaning across the fabric. Voith designed the CleanLine Excell to give the same amount of cleaning to all of the fabric for consistent and uniform performance. The closest placing of a high number of water jets in two directions achieves a unique concentrated cleaning effect. Any localized contamination of the fabric will receive additional cleaning in that area. The fine, fast jets of CleanLine Excell penetrate deep into the fabric structure to deflect particles out of the voids between the fine mesh of the forming fabric and the needled batt of the press fabric. The inclined angle of water jets prevent many of the contaminants from being pushed into the fabric structure. CleanLine Excell is suitable for fine fabric surfaces because the risk of damage is reduced by using small diameter nozzles and a low volume of water.

Cleaning head of the CleanLine Excell



Benefits at a glance

- + Flexibility to replace high cost raw material
 - + Higher performance of forming and press fabrics to improve drainage and sheet dewatering
 - + Less pinholing of the sheet
 - + Less cleaning chemicals
 - + Greater fabric permeability retention
 - + Better uniformity and subsequent moisture profile
 - + Less water and energy consumption
 - + Better runnability
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