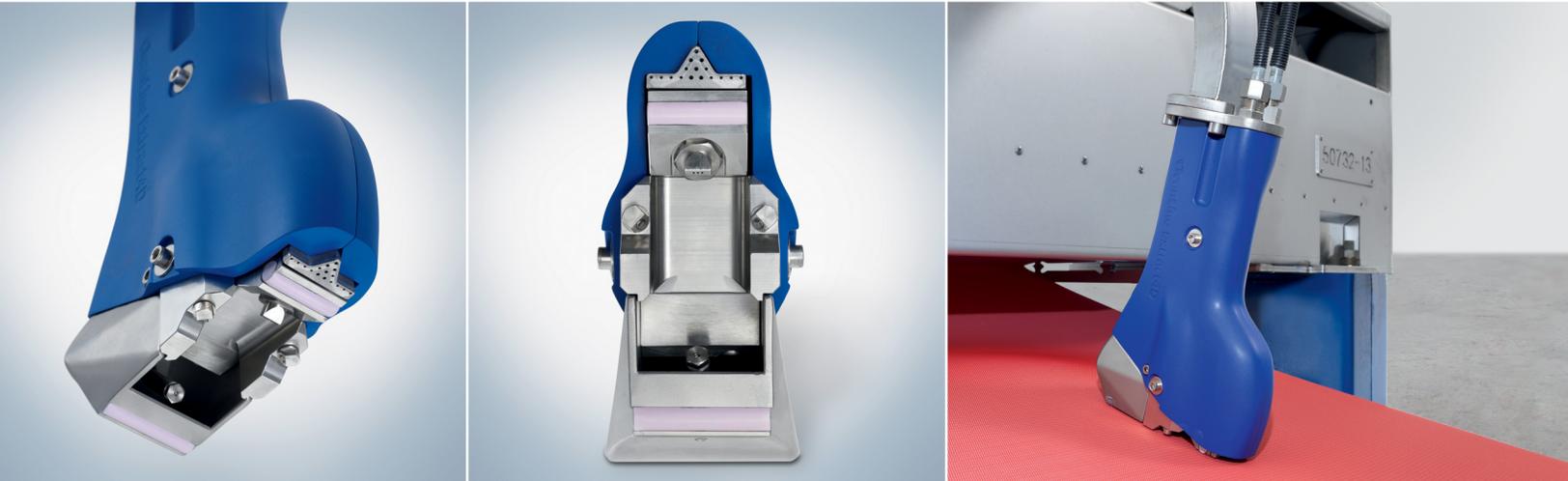


CleanLine Extract4D

Case Study: Corrugated medium mill achieves higher production with CleanLine Extract4D



Summary

A mill in the midwest producing corrugated medium frequently shut down production to clean its dryer fabrics. These dirty fabrics and cleaning shutdowns drastically reduced the monthly output and increased the energy consumption.

Details

The company installed the patented CleanLine Extract4D continuous cleaning system, with water jets from four directions at optimum angles to maximize the cleaning power. The traversing cleaning head operates during production—continuously removing contamination from the surface and structure of the fabric. The waste water is removed by vacuum and an air knife takes away any residual cleaning water, avoiding wet streaks in the paper.

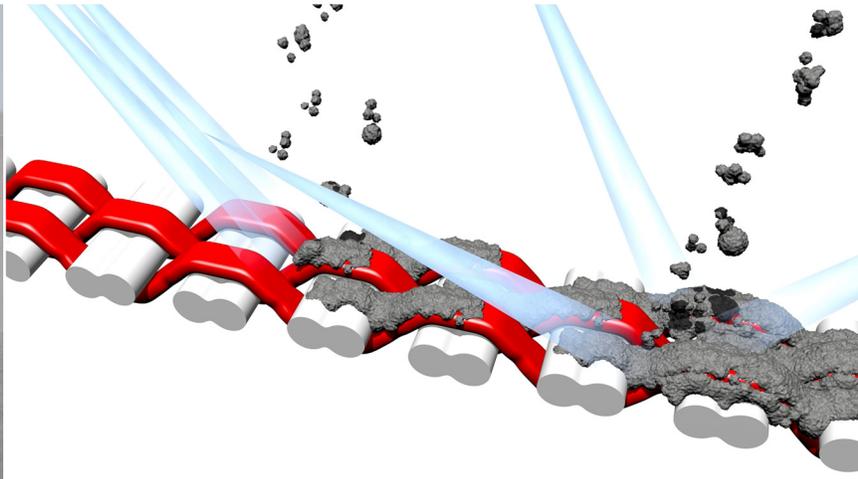
Results

CleanLine Extract4D achieved a cleaner fabric surface and higher permeability retention for the mill. After only a few weeks of running, the mill confirmed an improvement in runability, energy consumption and operating efficiency. The operators were so pleased with the CleanLine Extract4D, that management ordered an additional three units.

With CleanLine Extract4D installed, the mill noted these key results:

- ✓ **Eliminated biweekly manual cleaning**
- ✓ **Realized chemical savings**
- ✓ **Improved safety**

Voith CleanLine Extract4D is mounted on a traverse beam and uses water jets from multiple directions.



About CleanLine Extract 4D

With water jets in four directions, CleanLine Extract4D overcomes the limits of conventional fabric-cleaning systems to give a step-change in cleaning. It provides:

- Improved fabric permeability retention
- Increased drying efficiency
- Better sheet stability and tail threading
- Less need for cleaning chemicals
- Optimized sheet quality

Additionally, expert servicing from Voith is available to ensure smooth, efficient operation of the CleanLine Extract4D during production.

Why partner with Voith?

Voith is known as an innovator on all levels of the paper industry. With CleanLine Extract4D, its focus continues on delivering the products that make a difference to our customers. As a full-line supplier, Voith offers end-to-end delivery of products, service and digital components – a breadth of expertise that differentiates Voith from other suppliers. Most importantly, Voith's commitment to quality technology, products and services means that it provides its customers with the resources they need to keep their costs down.

"The CleanLine has increased uptime on the paper machine by eliminating the need to wash the dryer felt. The felts without the CleanLine have to be washed once a week."

– Mill representative

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<http://voith.com/corp-en/papermaking/cleanline.html>



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