

Mist Elimination Systems

Challenge A northeast U.S. mill was experiencing poor cleaning of the forming fabrics, drop-offs, and general hygiene problems on the wet-end of its 291" linerboard machine. As a result, machine speed was limited below desired performance.

Solution Kadant provided three dual-sided Mist Eliminators for all top-wire formers. Each system included two vacuum boxes with internal HP showers and EMO™ III oscillators, Genesis™ auto brush rotators, air/water separators, vacuum blowers, new fabric guides and engineering services. A MegaFlo™ backwash system was also provided to polish HP shower water.

Results Fabric cleaning has dramatically improved with showers now able to operate at 400-450 psi. There is less mist-born fiber build-up on the machine framework leading to improved wet-end hygiene and drop-offs have been minimized. According to machine operators: "[We] finally spent money on something that really works."

Highlights

- Improve machine et-end hygiene and reduce drop-offs.
- Improve wet-end safety.
- Increase fabric life and cleanliness.
- Increase machine uptime and efficiency.



Pre-Installation



Post-Installation



Separators, Exhausters, and Silencers