

Case Study

Voith's expertise and quality products deliver savings to U.S. tissue mill



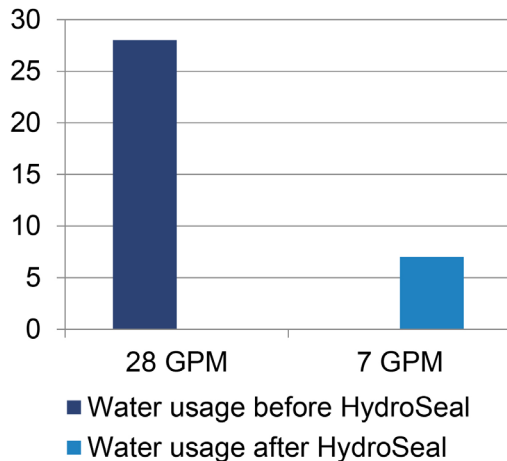
Summary

A Midwestern U.S. tissue mill, which produces light, dry crepe tissue on a traditional crescent-forming machine, recently expanded its relationship with Voith as the company proved its service excellence and quality product offerings.

Details

The customer was experiencing issues with cover wear, which allowed Voith and the customer to explore options for new roll covers and other opportunities for optimizing the tissue machine. In particular, the customer wanted improved mechanical reliability, greater running speeds and longer run times. Upon weighing its options, the customer was sold on Voith's roll cover design, crown optimization plan, service program and ideas for reduction of water and electrical consumption.

Upon installation, HydroSeal delivered a 75 percent water savings to the mill.

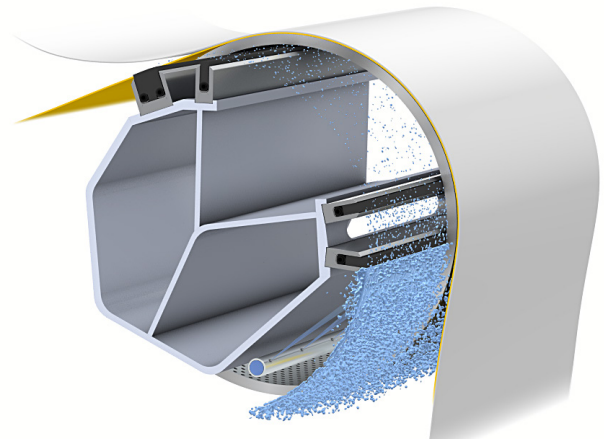


Results

The mill saw benefits through the expanded partnership with Voith:

- **Reliability** – Voith’s SolarSoft roll cover helped the mill reach its reliability and production goals.
- **Resource Savings** – Voith’s HydroSeal device also delivered water and energy savings, reducing the mill’s suction pressure roll water consumption by 75 percent and cutting the drive load energy by more than 1 percent.
- **Service Excellence** – Top-tier service was a key element as Voith partnered with the mill to implement a Total Roll Management (TRM) program, making Voith responsible for roll service, roll covers and roll repair needs. Voith’s fabric and roll specialists truly stood out by offering unparalleled roll application expertise, excellent service and focused technical support. One key element of this service was crown optimization. The crown and taper of the suction pressure roll were analyzed by Voith and adjusted for optimum performance when the mill made the switch to Voith’s SolarSoft roll cover. These adjustments have proven to be a big part of the winning combination that has produced excellent machine performance year after year for the customer.

HydroSeal offers a self-lubricating seal strip for wear reduction.



Why partner with Voith?

Voith’s expertise, experienced personnel, hands-on service capabilities and continuous presence in mills can make the difference on roll mechanical service and cover projects. Voith delivers a quality of service that cannot be matched by competitors. Voith’s subject matter experts are what set us apart from our competitors.

“Our customers know we’re looking out for their best interests. At this mill, the customer put its faith in Voith to maintain the reliability of their most critical rolls and provide a roll cover that could help push the machine to the high level of performance they needed. We did this by optimizing the machine with Voith products and services, including HydroSeal, SolarSoft and outstanding mechanical roll services.”

— Ian Meinke
Product Manager, Voith Paper FRS North America

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