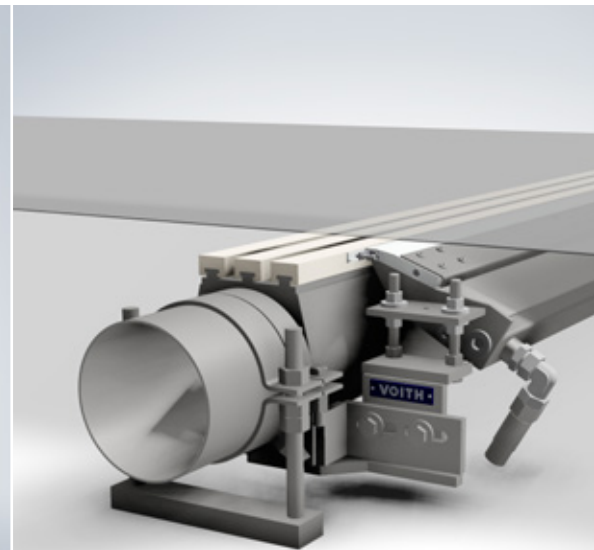


Integrated Uhle box lubrication for uniform felt conditioning

FilmLube



Uniform conditioning of the press felts is crucial to good paper quality. In conventional systems, the Uhle boxes are lubricated by low pressure fan showers that often get blocked, resulting in high lubricating water consumption. Thanks to its novel design, Voith's FilmLube, by contrast, ensures uniform lubrication at all times.

The integrated lubrication gap conditions the felt evenly over the entire width of the machine and at the same time saves valuable fresh water due to the efficient feed system. FilmLube is also very low maintenance and helps improve operator safety.

Your benefits with FilmLube

- + Improved paper quality
- + Smooth and even press felt conditioning over the entire felt service life
- + Water savings thanks to targeted application of lubricating water
- + Lower maintenance effort
- + Improved safety thanks to dry walkways



Welcome
to the Next
150 Years

Improve paper quality and reduce wear

Blocked nozzles in conventional lubrication shower systems often lead to uneven felt conditioning and scorch marks in the press felt. This not only impairs the service life of the press felt but scorched batt fiber fragments can easily get embedded in the paper web and cause quality problems when printing. The uneven conditioning also leads to a fluctuating CD moisture profile, which additionally impairs paper quality.

However, the constant film of lubricating water from FilmLube ensures the homogeneous conditioning of your press felts at all times over the entire width of the machine. Using FilmLube, a stable felt performance over a record-breaking 76 days could be achieved in tissue production.

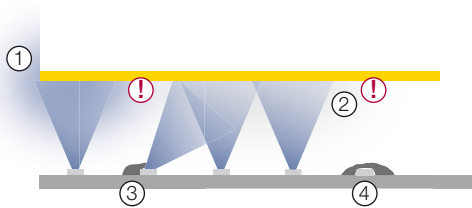
Conserve resources and save time

The integrated lubrication using a film of water avoids water wastage from spray mist losses. The targeted use of water avoids over- or under-moistening of the felt due to misdirected spray fans. Thanks to the water-saving concept of FilmLube the average consumption is lower than 0.5 m³ per hour and machine meter. The smart design without nozzles that tend to fail reduces maintenance times and costs to a minimum.

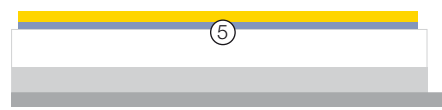
Improve safety

The low pressure showers used in conventional systems often make walkways and stairs wet, resulting in an increased safety hazard due to the risk of slipping. When using FilmLube, the lubricating water stays inside the machine, so it makes the working environment in the press section safer for your personnel.

Uhle box lubrication



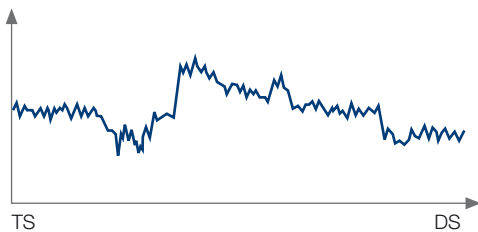
Uneven lubrication using conventional showers



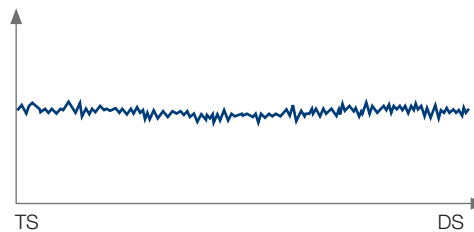
Integrated lubrication using FilmLube

- 1 Lateral losses due to incorrectly adjusted nozzles
 - 2 Spray mist losses
 - 3 Partially blocked nozzle with drifting spray fans
 - 4 Completely blocked nozzle
 - 5 Even film of spray water
- ! Areas of potential felt damage

CD moisture profile [g/m²]



Fluctuating profile using conventional showers



More even profile using FilmLube

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