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## First Mill Experiences with a new Process for the Cleaning of Dryer Fabrics

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Recovered paper, the secondary raw material with a worldwide average raw material charge of 57%, has become the most important raw material for the paper industry. Due to paper recycling, the recovered paper utilization in Germany has grown up to 71%. Recovered paper is the most important raw material for the liner and fluting production, because it is entirely based on it. The increased use of recovered paper, the deterioration of its quality and the rising amount of impurities, requires more than ever an efficient cleaning of the dryer fabrics.

The AOKI-Cleaner is a no-growth (static) cleaning device, established from AOKI Machinery in Japan, for cleaning dryer fabrics. Its unique method enables it to continuously clean the whole width of the dryer fabric simultaneously, and to do so during production. The continuous cleaning of the entire width of the fabrics, reduces the number of web breaks, guarantees a uniform permeability of the dryer fabric, and improves the paper quality e.g. the moisture profile.

The AOKI-Cleaner persuades with its simplicity and even ingenious working principle. The patented invention of its blade type cleaning system has been developed for the most effective cleaning of dryer fabrics. No external connections or additional devices such as high-pressure pumps, compressed air, vacuum, or a power track chain, are necessary. The first installation outside of Asia, at Klingele Papierwerke in Weener / Germany shows clearly the advantages compared to the conventional traversing system. The installation of the AOKI-Cleaner replaced the conventional traversing cleaning device operating with a cleaning boot in the first dryer group. Because of the positive experience with the AOKI-Cleaner in the first dryer group, Klingele purchased two additional AOKI-Cleaners for the pre dryer section. Again, they will replace further conventional traversing systems.

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