Case Study

Roll Cleaner Assembly

Challenge
A Colombian paper mill experienced build-up on its dryers after the size press of its fine paper machine. The build up on the dryers impacted heat transfer and caused sheet defects.

Solution
Kadant provided a trial of a short roll cleaner with black pads for the mill to test removal of size build-up from the surface.

Results
The trial unit with black pads ran at 400 mpm (1,300 fpm) and was able to clean the surface in 20 minutes. Based on the ease of use and successful removal of build-up on the surface, the mill installed two full-size roll cleaner assemblies.

Market Insights
- Roll cleaner pads are available in multiple grit specifications.
- The roll cleaner improves roll surface conditions, increasing surface life.
- Roll cleaners reduce sheet defects.
- Roll cleaners fit into any existing blade holder.

Images:
- Roll Cleaner with Black Pad installed in doctor blade holder
- Close-up of dryer surface after 20 minutes
- Back-side view of dryer surface and roll cleaner