

# PAPER MACHINE RETROFIT

**CLIENT:** Weyerhaeuser Paper Company  
(now International Paper Company)

**LOCATION:** Springfield, Oregon

Weyerhaeuser upgraded its No. 2 paper machine in stages over several projects. The machine is a Beloit Fourdrinier with four dryer sections that has been upgraded to run additional grades of linerboard, including white top. Production has been raised to more than 1,000 tons per day and the top design speed has been raised to 2500 FPM.

Evergreen has been involved in many of these retrofit projects, providing layouts, designs, detail drawings, specifications and on-site engineering services to the Weyerhaeuser team for the following paper machine modifications:

- Replaced old Western gearboxes with new Falk gearboxes
- Replaced 20 felt rolls with larger rolls
- Installed new second Bel-Bond
- Installed new lump breaker
- Modified the extended nip press
- Replaced or modified most of the doctor blades
- Raised the felt structure frames
- Added a J-table at the winder
- Added a new roll handling system
- Revamped the white water system
- Added a new secondary fan pump
- Added a new stock refiner
- Added new lump breaker roll stands
- Reworked the condensate system
- Revised couch pit to press pit piping
- Miscellaneous guard, platform and mechanical changes
- Relocated nip shower shield



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