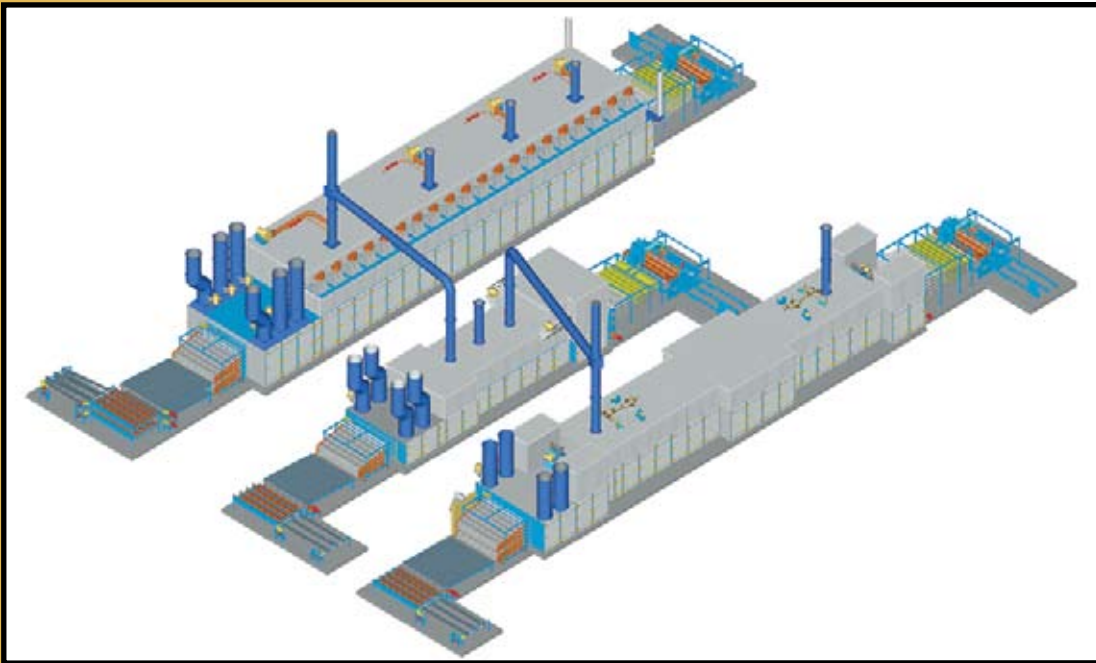


# VENEER REDRYER



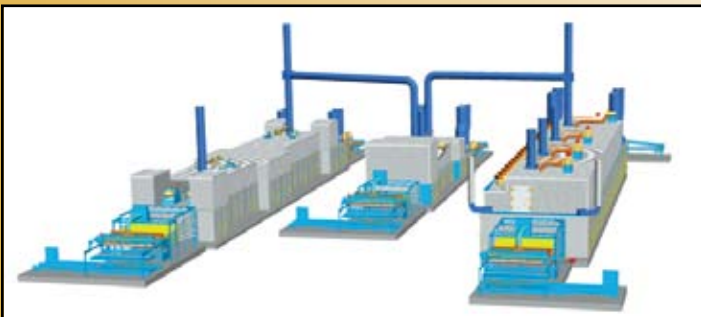
**Shown: A 6-deck Jet Dryer and a 6-deck Longitudinal Dryer heating a Longitudinal Redryer (middle).**

## Increase your plant's veneer production without increasing energy costs with a Westmill™ Veneer Redryer.

With heating energy costs being the highest cost factor in drying veneer, solutions to reduce the cost of veneer drying per square foot are welcome. Westmill's Veneer Redryer is heated exclusively by your plant's other Veneer Dryer(s), yielding the following benefits:

- Your primary Veneer Dryers can run faster, and with higher allowable moisture content distribution than at present.
- Redry sheets are dried only by your Redryer, leaving the primary Dryers dedicated to single-pass drying.
- Redried sheets can be merged into your existing Dry Stacker line. Consider the following options:
  - Sheets leave the Redryer and go to visual grader and Dry Stacker via dedicated conveyor tray.
  - Sheets are stacked at the Redryer outfeed (via a small economical Drop-Arm Stacker) and introduced to the visual grader and Dryer Stacker via new Westmill™ (or existing) Sheet Reentry System.
- Redried sheets are dried with no additional heating cost. Westmill™ supplies diverter tee ducts to redirect Dryer exhaust to the Redryer. Exhaust from the Redryer can be directed to your pollution abatement device (WESP, RTO, RCO, etc).
- Often, the addition of a Redryer does not require additional environmental permitting by your plant.

Westmill's Veneer Redryer is available in many configurations, either as a Longitudinal, Jet, Screen, or other Dryer. Often, the correct configuration is dictated by the Dryers already in your plant.



Many configurations are possible, with heating by one or more Dryers.



Heating duct from 6-Deck Longitudinal to a Screen Redryer.

## Low Capital Cost

Many plants feel the pressure to install new, larger veneer dryers, and often remove existing small, old leaking Dryers. Because we at Westmill™ are the Veneer Dryer Experts, our ingenuity allows you to salvage parts from your old Dryers and reuse them as part of your new Redryer!

Because a Redryer can often be a short Dryer (as not as much drying is required), the feeding and unloading rate for the Dryer is less. So chances are, we can incorporate existing infeeds and outfeeds with little to no modification required.

In addition, the conveyor (rolls, jet tubes, etc) and fans from your existing Dryer can be reused, with Westmill™ supplying a new housing, stainless floor, and door and door-seal system to seal up the Dryer and prevent in-plant emissions and increase heat recovery.

## Case Study: Coastland Wood Industries

Westmill™ installed its first Veneer Redryer at Coastland Wood Industries in 2005. Coastland purchased a decommissioned Proctor-Schwartz 2-level screen jet Dryer. Westmill™ kept the screen conveyor, jet tubes, and fans, and supplied new doors, stainless floor, and flue gas delivery and exhaust system.

Coastland reused its existing Infeed Chains, Scissor Lift and Feeder Tipple, while Westmill™ supplied a new Vacuum Feeder, Infeed Rollcase, Sequential Unloader, Multibelt Conveyor, and Corner Transfer Conveyor with Reject Tipple.

The system was predicted to run at 10 sheets per minute, and be heated by the two other Westmill™ Longitudinal rebuilt Dryers. In fact, heat from only one Dryer was required, and the Redryer dried 15 sheets per minute. Provisions to add a third drying deck to this Dryer have been made. Coastland's dry veneer production has increased between 5 and 15 per cent.



Screen Redryer installed at Coastland Wood Industries, Delta B.C.

### Other Westmill™ Machines to Improve Redrying and Production

- Veneer Sheet Reentry Systems: Automatically feeds and merges sheets into a grading and stacking line.
- Belt Conveyor "Tray Systems" and Merging Conveyors: Available with Variable Frequency Drive (VFD) controls for start/stop operation and accurate automatic merging.
- Stackers: Dry, Green, and Random Stackers available, complete with controls. Stacker retrofits and control upgrades to existing Stackers also available.

