

The Westmill Dryer Rebuild System

Westmill Industries is the industry leader in Veneer Dryer technology. For 30 years Westmill has specialized in serving the Plywood & Veneer manufacturing industry.



A Westmill Two-Zone Dryer remodel at Coastland Wood Industries, Delta, BC including Stainless Steel Insulated floor, PLC Dryer Controls, Gas Burners, Fans, Motors and VFD's, Humidity monitoring & Spray system - completed in 13 days!

As Veneer Dryers age, they begin to leak requiring more and more energy to keep them heated. Dryer production decreases and maintenance costs increase. Usually, due to increased production demands, a mill is eventually forced to purchase a new Dryer, often tearing out the old. This is where Westmill Industries comes in.



New floor under Weldwood's steam Dryer

Why buy a new Veneer Dryer when you can RE-NEW at a fraction the price. Westmill offers an economical alternative to purchasing new - it's called a 'Westmill Rebuild' and no other company does it like Westmill.

With a complete 'Westmill Rebuild', the only existing parts kept are the conveyor components, i.e.: rolls, sprockets, gears, gudgeons, bearings, hangers, drive chain and the supporting framework. Westmill provides all other components to restore the entire dryer housing to "better-than-new" condition.



Pre-Assembled Fan Modules

To ensure a leak-proof Dryer and a clean, smoke free plant, a 'Westmill Rebuild' features a completely seal-welded

dryer housing. Also provided are pre-assembled, seal welded fan units complete with 'super-efficient' electric motors and "V" or quiet "Poly-chain" belts. To further increase Dryer production by increasing airflow, Westmill can provide Variable Frequency Drives with automated VFD controls for any dryer rebuild. Whether it is energy savings or increased production you are after, the payback on this VFD option is great.



Westmill was the first to introduce a **Retrofit Insulated Dryer Floor System** and has developed a proven system for installation under your existing Dryer. With continuous expansion & contraction, and with eventual concrete erosion,

the most difficult seal to maintain on any Dryer is the seal between the existing concrete floor and the Dryer's floor frame. To permanently solve this problem while virtually eliminating vapor leakage and minimizing heat loss, Westmill has developed a retrofit, Insulated Stainless Steel Dryer Floor. The floor is designed to slide under your existing Dryer and is constructed using insulated, seal-welded panels ensuring an easy installation and a very long service life.



VFD Control Cabinet

Reduced down-time is everything. Every effort is made to minimize down-time during the rebuilding process by pre-assembling modular components beforehand. One such component is Westmill's "Quick-Install, Door Cartridge Assembly" which are supplied pre-built and include door seal, 'fire-stop' seal mounting bracket, floating skin Dryer Doors and Westmill's Patented, Articulating Door Hardware. Westmill's also pre-assembles and completely seal-welds the delivery and return manifold assemblies complete with doors & hardware.



Stainless, Seal Welded Floor Panels

Westmill wants your rebuild to last. For added corrosion resistance, any mild steel panels or doors supplied by Westmill have a liberal coating of rust-inhibitor applied to the internal frame & sheeting. To further reduce rust & corrosion, Westmill also applies powder coating to any mild steel dryer components wherever possible. This level of service is what sets Westmill apart from any other company in the industry. To help prevent warping from heat, and to increase the door-seal contact, Westmill's doors are a 'floating skin panel' design.



Westmill's Patented Door Hardware

To complement the Dryer's mechanical systems, Westmill's Dryer control package is truly 'state of the art'. Included are Burner & Steam Control, touch screen PLC controls, pre-wired PLC cabinets, Variable Frequency Drives and Humidity monitoring & control systems. Always pushing design & engineering limits to new levels, Westmill will deliver what you want.



Pre-Assembled Manifolds

To complement Westmill's new Dryers and Dryer Rebuilds, we also manufacture:

- Plug-Up Detection Systems
- Continuous self-adjusting Pressurized Seal Sections
- Infeed Over-lappers
- Automated Electro-Pneumatic Stack Damper Control Systems
- Infeeds & Sequential Unloaders
- 'Quick-Vak' Vacuum Feeders
- Scissor Lifts & Conveyors
- Individual Deck Dryer Drive (VFD)
- "Easy Level" Dryer Roller and Support Systems

Westmill can also provide full turnkey supply and start up services if required.

2-Zoning Overview

Westmill has been successfully converting Single-Zone Dryers into 2-Zone Dryers for many years. Westmill's very successful system reduces both in-plant emissions and energy consumption while dramatically increasing Dryer production.



Dryer Control Panel - Inside



Before



After

Dryer Control Panel

Westmill's proven method of rebuilding a Dryer works; just ask any of our customers who have had us rebuild or remodel a dryer for them.

- Coastland Wood Industries, Delta B.C. (2 Dryers)
- Tolko Industries, Heffley Creek Division, Kamloops B.C. (new dryer)
- Weldwood of Canada, Quesnel B.C.
- LP Canada EWP (Evans), Golden B.C.
- Federated Co-Operatives, Canoe B.C.
- CIPA Lumber, Delta B.C. (2 Dryers)

For more information call to speak directly to one of our company principals:

**Toll free 1-877-607-7010
www.westmill.com**



Westmill Industries USA Corporation
Westmill Industries Ltd.
3063 - 275A Street, Aldergrove, BC V4W 3L4



Tel: 604.607.7010 • Fax: 604.607.7099 • sales@westmill.com
Toll Free: 877.607.7010 • Toll Free Fax: 877.607.7099

