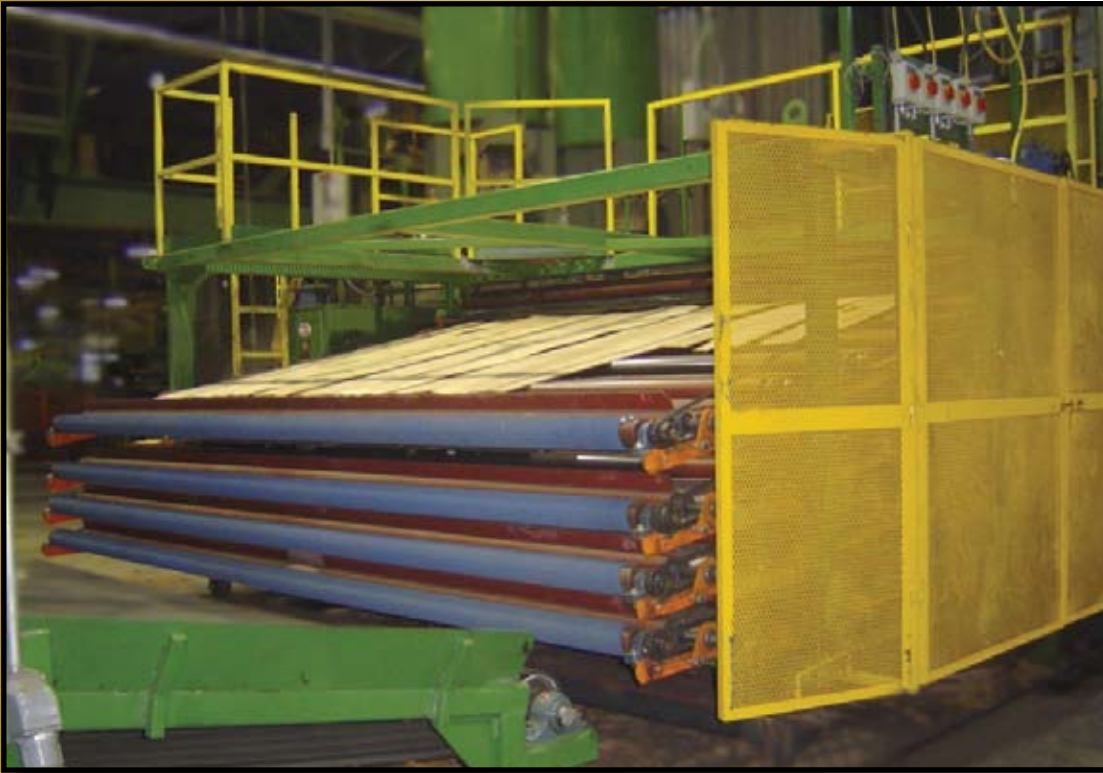


DRYER SEQUENTIAL UNLOADER



Westmill's Sequential Unloader features a modular design, and is available in any number of decks for any width of Dryer.

The Sequential Unloader takes wood veneer from the Dryer's multiple levels and merges them onto a take-away Multibelt Conveyor.

Sequential unloading results in more consistent moisture grading, with fewer shut downs and less sheet damage from cross-stacked wood on the Corner Transfer Conveyor, especially at higher speeds.

"The Sequential Unloader was installed in one 10-hour shift, and replaced an existing Unloader. The start up took less than an hour, and an immediate improvement in Dryer unloading quality was apparent, with the sheets remaining straight at all times.

It has now been running for two months with no problems, and the photo eyes to control the sequencing have worked well. I would recommend this Unloader design."

Mike Gill, Project Manager for West Fraser (Quesnel, B.C.)



Continuous Serpentine Chain Drive



Individual Deck Drives with VFDs



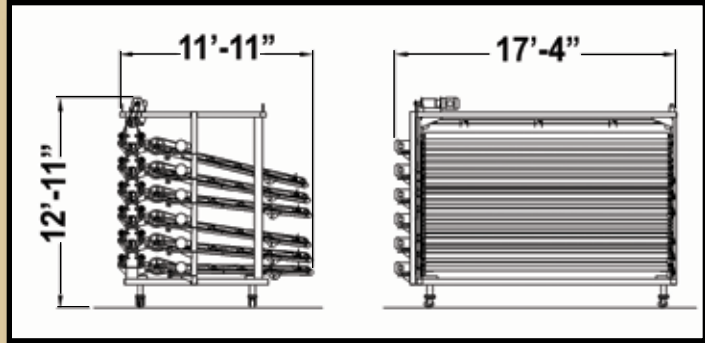
Drive System and Decks



Squaring Stop Gate

What Makes Our Sequential Unloader the Best Available?

- Modular design: available in left-hand and right-hand drive, in any number of decks for any width of Dryer.
- Large 5" diameter pinch rolls to reduce bending and ensure proper sheet removal from Dryer.
- Continuous serpentine chain drive for pinch rolls eliminates stretch found in double-single chain drives.
- Independent motor and Variable Frequency Drive (VFD) controller for pinch rolls allows you to slow rolls down when running Sapwood to prevent sheet tearing; can be sped up for Heartwood.
- Sheet detection
 - Photo eye based sheet detection system, mounted in retractable frame for easy maintenance. 'Brad Harrison' quick disconnect plugs for rapid removal for full-sheet Dryers
 - Swing gate sheet detectors used for random-veneer Dryers
- Independent motor and VFD controller to unload each deck
 - Eliminates routine maintenance of pneumatic clutch-brakes
 - Controllable speed ramp up and ramp down to stop
 - Optional VFD cabinet can be mounted on the Sequential Unloader or remotely.
- Unique to the Westmill™ Unloader are our "Squaring Stop Gates" (see image on front page). Before the sheets are discharged from each individual unloader deck, they are slowly powered into the Squaring Stop Gates. These gates ensure that any misalignment is corrected and that all sheets are square before unloading. This mechanism works particularly well for random veneers.
- Fully programmed and tested before delivery to your site.
- Wheels and clean-out track makes maintenance easy.
- Machine guarding included.



Veneer Specifications

Veneer size:	Any
Veneer species:	Any
Veneer moisture content:	Any (including redry sheets)

Machinery Specifications

Electrical requirements:	Pinch Roll Drive: 5 HP (3 Phase) with VFD for 5- to 8-deck machines 3 HP (3 Phase) with VFD for 4 decks or lower Deck Drives: 1.5 HP with VFD per deck
Field mounting:	Slide track has mounting holes and is anchored to plant floor
Air requirements:	60 PSI

Other Westmill™ Machines to Improve Dryer Unloading and Material Handling

- [Corner Transfer Belt Conveyor](#) – Improves sheet presentation to your Dry Stacker, or allows you to install a Dry-Chain/Belt for pulling veneer into carts.
- [Multibelt Conveyor](#) – Takes veneer from Sequential Unloader to the Corner Transfer Conveyor.

