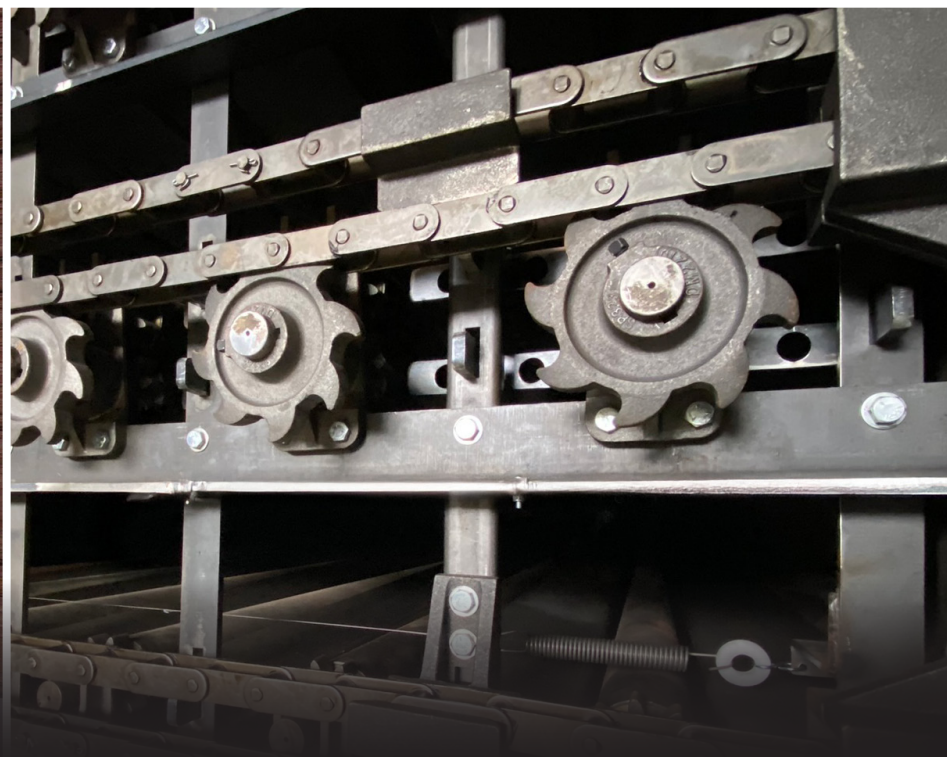


WESTMILL

The Leader in Veneer Drying Technologies

New Dryers | Dryer Upgrades | Innovative Designs | Quality Components



VENEER DRYER PARTS CATALOGUE

VERSION 16



Established in 1975 by Victor Crondahl, Westmill Industries started supplying critical replacement parts and equipment to the North American plywood manufacturing industry. More than five decades later Westmill has become a world leader in the design and manufacture of veneer drying equipment and technologies, and continues to grow under its 2nd generation owner Mike Crondahl.

*Westmill is proud of its longstanding innovative culture and heritage and of the many key dryer patents awarded to it over the past 25+ years. These industry-leading technologies are what set us apart from all others. Westmill remains most proud of being awarded both the **Innovator of the Year** and the **Supplier of the Year** awards as chosen by APA members.*

*Westmill continues to flourish, achieving important industry milestones such as installing the industry's **first** insulated stainless dryer floor (under an existing dryer), to building the **largest-ever** veneer dryer in the world.*

To our friends and customers worldwide, THANK YOU for entrusting WESTMILL with your dryer service needs, and for helping us to succeed over the past 50 years.

*Mike Crondahl
Owner/President*



Victor Crondahl, founder of Westmill Industries



Westmill Industries Team - Vancouver, British Columbia

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**DISCOVER WHAT
MAKES WESTMILL
THE LEADER IN
VENEER DRYING**
**WESTMILL CAPITAL
EQUIPMENT** PAGE 55



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT



'99 | FIRST PATENT
Westmill Articulating Door Hardware.

'99 | FIRST NEW LONGITUDINAL DRYER
Westmill installs their first new longitudinal dryer for Tolko, in Heffley Creek, BC.

'05 | LightSORT™ TECHNOLOGY
Westmill develops the LightSORT™ technology and installs the first system at Tolko's Kelowna Plywood plant.

'10 | INNOVATOR OF THE YEAR AWARD
Westmill is awarded the APA's prestigious APA/EWTA 2010 'Innovator of the Year'.

'20 | WESTMILL GROWS AGAIN
Expanding in size, Westmill moves to a larger facility in Abbotsford, BC.

'75 | THE BEGINNING
Westmill is established in 1975 by Victor T. Crondahl, father of Mike Crondahl.

1990
MIKE CRONDAHL JOINS WESTMILL

2002
1ST USA LOCATION OPENS

2008
2ND USA LOCATION OPENS

2025
WESTMILL CELEBRATES 50 YEARS



1976 -1989 | CANADIAN GROWTH

The company secures exclusive Canadian representation of many US product lines inc: Globe, Sweed, and COE.

'00 | FIRST EVER INDUSTRY FLOOR RETROFIT

Westmill installs the Plywood industries first ever retrofit, stainless steel dryer floor at Evans Forest Products in Golden, BC.

'04 | SELL THEIR FIRST 6-DECK JET DRYER

Westmill is completed their first 6-deck Jet Dryer for West Fraser in Edmonton, AB.

'13 | SUPPLIER OF THE YEAR AWARD

Westmill is awarded the prestigious APA/EWTA 2010 'Supplier of the Year' Award in Materials/Supplies category.

'24 | WORLD'S LARGEST DRYER COMPLETED

Westmill is awarded the contract to build the Worlds Largest Veneer Dryer for Roseburg Forest Products.

'00 | WESTMILL MOVES
Growing in size, the company moves to Langley, BC.



CUTTING-EDGE INNOVATIONS SHAPING TOMORROW

WESTMILL remains actively engaged in product development initiatives.

Our innovations have led to some of the best-in-class technologies which are being embraced by our performance minded customers. Westmill is proud of its long-term commitment to innovation, and the results they produce.

WestVac™ Emission & Dryer Seal System

PATENT NO. 10,006,712 B2 **PATENTED**

Westmill's WestVac Emission & Dryer Seal System seals the dryer's end walls to limit emissions from leaking out of the dryer's green and dry-ends, all while maintaining the optimum humidity level inside the dryer.

Quick-Change Dryer Roll Baffle System

PATENT NO. 10,317,138 B2 **PATENTED**

Westmill designed the first-ever, quickly interchangeable Dryer Roll Baffle system. The significant benefit of this innovation is that the existing roll-baffle can be removed and replaced in under 5-minutes, as compared to several hours.

UV-IR Veneer Pre-Conditioning Drying Section

PATENT NO. 11,370,145 B2 **PATENTED**

Westmill has built and tested an IR chamber specifically for veneer drying. The concept involves installing a UV-IR pre-conditioning section at the dryer infeed to quickly heat the bound water (and free water) at the core of the sheet, speeding up the start of the drying process, and therefore improving dryer performance.

2-PEX™ Exhaust & Dryer Humidity Control System

PATENT NO. 11,821,684 **PATENTED**

Westmill's 2PEX™ System provides unparalleled control of the humidity ratio along the entire dryer's length resulting in the BEST veneer quality available from any dryer today.

Impressed Current Cathodic Protection (ICCP)

PATENT NO. 11,193,211 B2 **PATENTED**

Westmill has developed an effective method of virtually eliminating dryer corrosion, using Impressed Current Cathodic Protection Technology and the humidity within a dryer as the electrolyte. Our patented ICCP System is the first-ever system of its kind applied to a veneer dryer.

Westmill Articulating Door Hardware

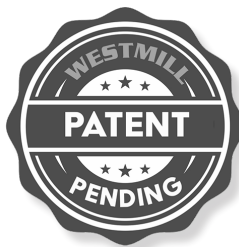
PATENT NO. 6,447,807 **PATENTED**

The Dura-Latch Articulating Door Hardware is the most functional and easily adjustable door hardware available on the market. The design and geometry of the door handle provide for safe, quick and easy opening and closing without strain.

SafeRelease™ Handle System

PATENT NO. 12,071,786 B2 **PATENTED**

When a conventional dryer door is opened, there is a tremendous amount of force on the handle due to the spring compression of the door seal material. When pulled open, the door seal quickly 'loads-up' the handle with striking force. With the new Safe-Openings door handle load-dampener, the force on the door-handle are controlled when opening. Removing the risk of workplace hazards.



DISCOVER MORE WESTMILL EXCLUSIVE TECHNOLOGY

WESTMILL VENEER DRYER

CUSTOMIZED NEW DRYER

Westmill Veneer Dryers are the best available in the industry today. With superior insulating techniques and a completely seal-welded housing, Westmill has designed the most energy-efficient dryer available in the market.

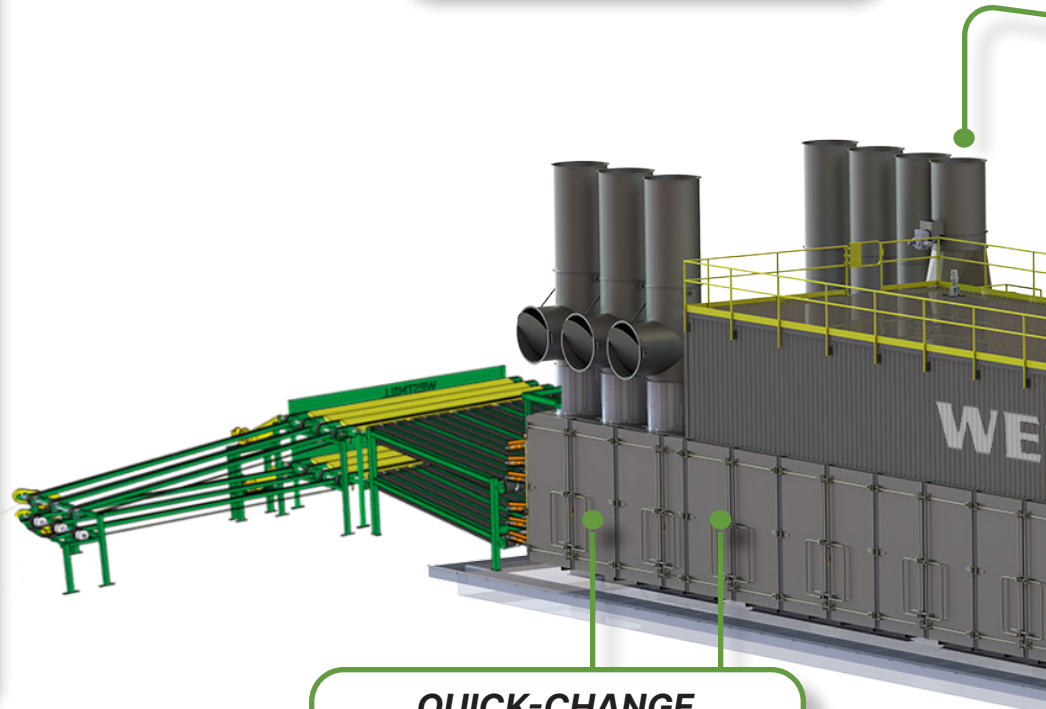
Many features that are optional on other systems are standard equipment on a Westmill Dryer. Our robust designs and quality components will provide you with many years of production and minimum maintenance expense.

DRYER TECHNOLOGY UPGRADES

As veneer dryers age, the housing begins to leak using more energy to maintain temperature set point. As a result, dryer production drops and maintenance costs rise.

Before making the decision to replace your dryer, consider a Westmill Dryer Technology Upgrade, your dryer will look and operate better than new - often a fraction of the cost of a new dryer.

**AUTOMATED
DRYER CONTROLS**
ALLEN-BRADLEY CONTROLLOGIX



**QUICK-CHANGE
DRYER ROLL BAFFLE SYSTEM**

PATENTED

**ARTICULATING
DOOR HARDWARE**

PATENTED

SafeRelease™

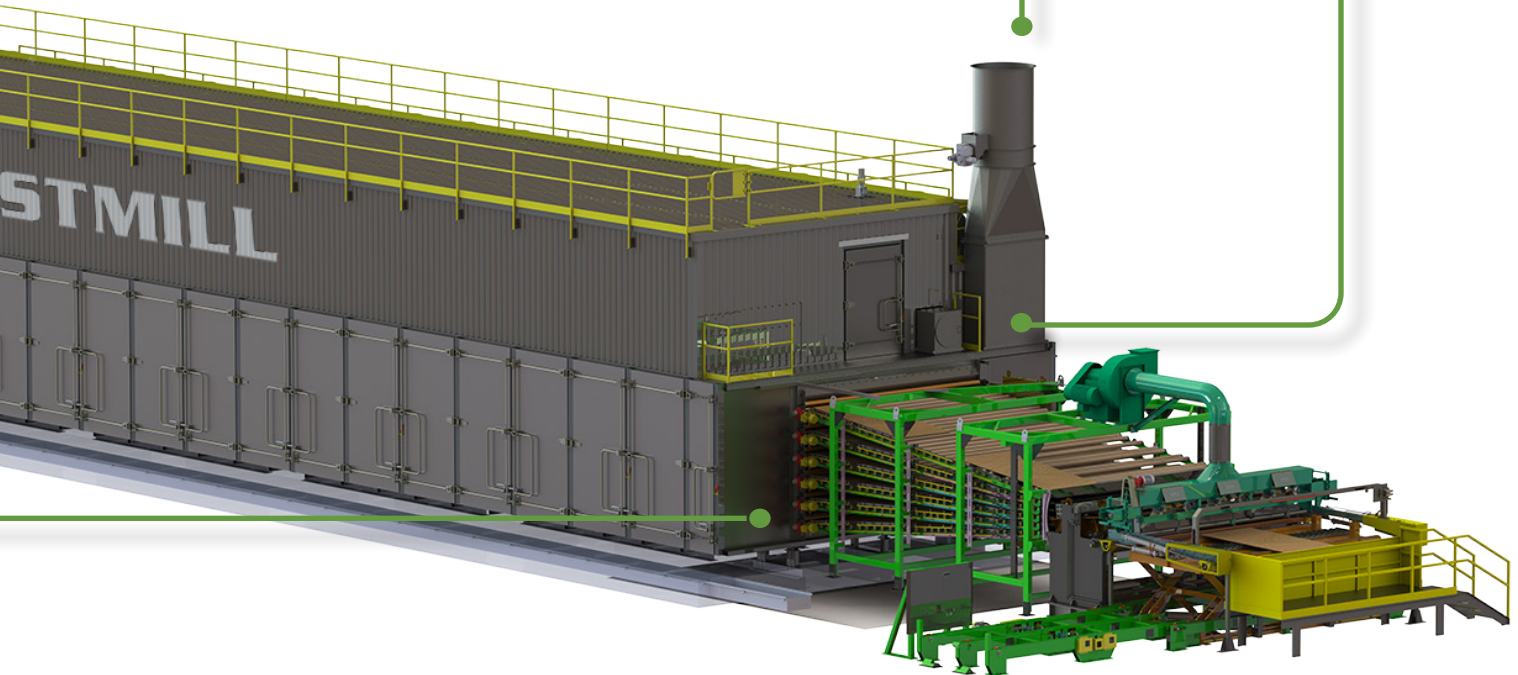
HANDLE SYSTEM

Eliminate any potential risk of 'strike-hazard' when opening a dryer door.

PATENTED

2-PEX
EXHAUST & DRYER HUMIDITY
MIGRATION AND CONTROL SYSTEM
PATENTED

WESTVAC
END-WALL EMISSION
AND CONTROL SYSTEM
PATENTED



ADDITIONAL DRYER FEATURES

Minimal Heat Transfer Dryer Housing

Eliminate metal-to-metal contact between inside and outside dryer housing to reduce heat transfer.

Quick-Change Dryer Door Seal System

Change door seals in under 5 minutes.

Dryer Floor

Stainless steel, seal welded and insulated; rust-proof for long life.

Water Misting System

Greatly reduces the risk of dryer fires caused by fuel build-up and embers.

Drive Tower

Individual deck drives for minimum maintenance, accurate speed control and maximum veneer recovery in the event of a plug-up.

Dryer Humidity & Emissions Control

Westmill's innovative WestVac and 2PEX Systems combine to maintain optimum humidity levels inside the dryer to consistently produce high-quality veneer, minimize energy consumption while maximizing production.

Jet Tubes

Our jet tubes feature high-velocity orifices for maximum air flow and heat transfer to the veneer.

WESTMILL OFFERS



Serving the panel board industry since 1975, Westmill has emerged as North America's leading dryer specialist.

A leader in board drying technologies, Westmill specializes in supplying new veneer dryer systems, dryer technology upgrades, and is the largest stocking supplier of dryer parts in the world. Westmill is committed to providing Veneer Dryer Innovations.

Westmill Offers:

- Customized New Dryers
- Dryer Rebuilds & Upgrades
- Dryer Parts for all Makes & Models
- Inspections & Consulting
- Infeed & Outfeed Equipment
- Exclusive Innovative Technologies

"We really appreciate the support that WESTMILL provides. Their dryers are high quality and their service is some of the best!"

Mike Rudy - Director of Manufacturing (Plywood), Timber Products

WAREHOUSES IN VANCOUVER, BC | EUGENE, OR | ATLANTA, GA



SHOP ONLINE

PARTS FOR ALL DRYER MODELS

Get in touch at 1 877 607-7010 Contact us

WESTMILL

Bearing Housing Bushing Chain Guides Doors Gears Gudgeons Hanger Bearings Jet Tubes Rolls/Assemblies Misc Parts

WESTMILL ONLINE STORE

Innovative technology & exceptional customer service

Westmill Industries is committed to helping their customers achieve success with higher production rate as well as more energy-efficient dryers.

Bearing Housing

Westmill™ stocks a wide range of Bearing Housing Parts [View all](#)

- B372 - Bearing Housing, 35mm OD x 25mm ID, Babcock
- B368 - Bearing Housing, Idler (Cooler Section)
- B162 - Bearing Housing, Prentice
- B161 - Bearing Housing, Drive Side, Closed Back
- B363 - Roll Housing, Moore, Cast Iron



SIGN UP TODAY! parts.westmill.com



HANGER BEARINGS

CONVEYOR COMPONENTS

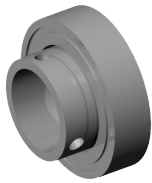


BU27



BU28

ROLL TUBES & ASSEMBLIES

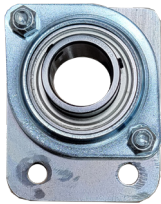


BU29



BU30

MAJOR COMPONENTS



WM-113

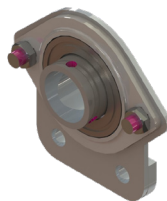


WM-116C

DRYER DOORS



WM-116D



WM-113-GP

| WESTMILL PART NO. | CROSS REF. | PART DESCRIPTION | BORE SIZE |
|-------------------|--------------|--|-----------|
| BU27 | C-76113-2SSB | Infeed Hanger Bearing (flat back) | 1-1/4" |
| BU28 | C-76116-2SSB | Infeed Hanger Bearing (over angle) | 1-1/4" |
| BU29 | - | Replacement Sealed Bearing Insert for Hanger Bearings (WM-113, 116 and 116C) | 1-1/4" |
| BU30 | C-237 | Bearing, Hanger, 4-Hole, Flat-Back | 1-1/4" |
| WM-113 | C-76113-2SSB | Infeed Hanger Bearing (flat back) with Replaceable Sealed Bearing Insert (BU29) | 1-1/4" |
| WM-116C | C-76116-2SSB | New Infeed Hanger Bearing (over angle) with Replaceable Sealed Bearing Insert (BU29) | 1-1/4" |
| WM-116D | - | Bearing Assembly, Sealed Insert, 4-Hole, Flat-Back | 1-1/4" |
| WM-113-GP | C-76116-2SSB | Board Mill Bearing (flat back) with Replaceable Sealed Bearing Insert (BU29) | 1-1/4" |

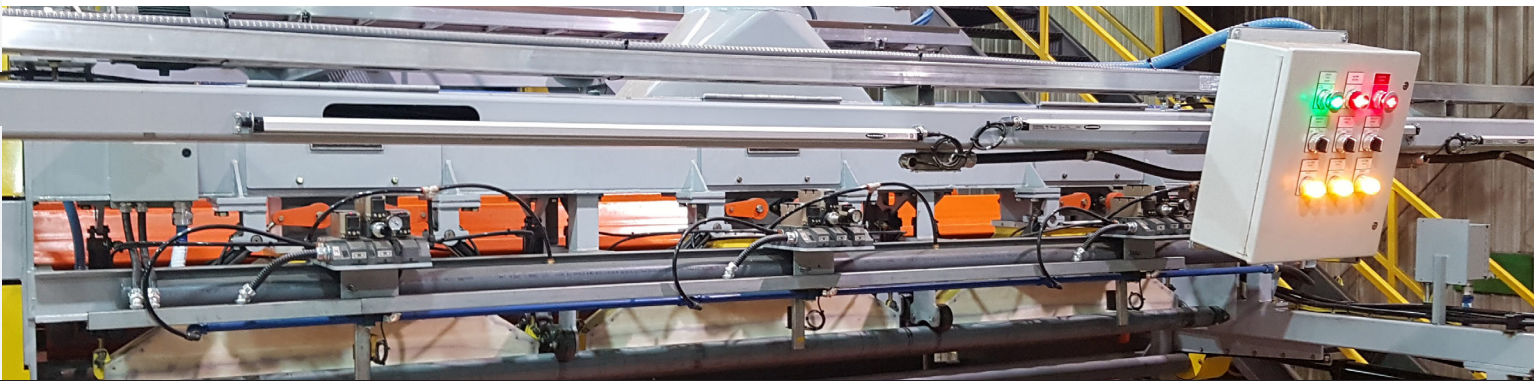
GENERAL COMPONENTS

STOCKING THE MOST PARTS IN THE WORLD
WE'VE GOT YOUR BACK

Westmill warehouses stock the largest variety of dryer parts and can supply components for **all makes and models**. With three warehouses located across North America.

Warehouse Locations: Vancouver, BC • Eugene, OR • Atlanta, GA

WESTMILL EQUIPMENT



| WESTMILL PART NO. | COMPATIBLE DRYERS | BORE SIZE | OUTER DIAMETER | LENGTH THRU BORE |
|-------------------|-------------------|-----------|----------------|------------------|
|-------------------|-------------------|-----------|----------------|------------------|

DRIVING FORCE™ EXTENDED LIFE BEARING

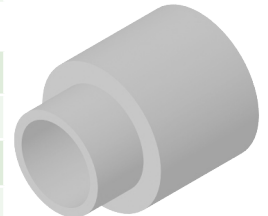
| | | | | |
|-------|---|--------|--------|---------|
| BU34W | Westmill, COE (Cooler Section, Raised Rolls) | 1-1/2" | 2" | 1-1/2" |
| BU15W | Raute | 25mm | 45mm | 38mm |
| BU13W | Raute | 1" | 1-3/4" | 1-7/16" |
| BU14W | Raute (Stepped) | 1" | 1-3/4" | 2-1/8" |
| BU31W | Westmill, COE, USNR, Moore & Prentice Long. (Std) | 1-1/2" | 2-1/2" | 1-3/4" |
| BU21W | Moore | 1-1/4" | 2" | 2-1/4" |



Driving Force™ Bearing BU31W

TEFLON BEARING

| | | | | |
|------|---|--------|--------|---------|
| BU12 | Moore | 1" | 1-1/2" | 1-1/2" |
| BU13 | Raute | 1" | 1-3/4" | 1-7/16" |
| BU14 | Raute (Stepped) | 1" | 1-3/4" | 2-1/8" |
| BU15 | Raute | 25mm | 45mm | 38mm |
| BU21 | Moore | 1-1/4" | 2" | 2-1/4" |
| BU26 | COE (Infeed Section), Moore Jet | 1-1/4" | 2-1/2" | 1-3/4" |
| BU34 | Westmill, COE (Cooler Section, Raised Rolls) | 1-1/2" | 2" | 1-1/2" |
| BU31 | Westmill, COE, USNR, Moore & Prentice Long. (Std) | 1-1/2" | 2-1/2" | 1-3/4" |



Driving Force™ Bearing BU14W

GRAPHITE BEARING

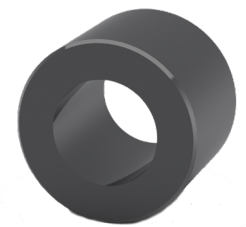
| | | | | |
|--------|---|--------------|--------------|----------------|
| BU91 | Babcock | 18mm (0.71") | 26mm (1.02") | 28.5mm (1.12") |
| BU92 | Babcock | 25mm (0.98") | 35mm (1.38") | 30mm (1.18") |
| BU22 | Moore | 1-1/4" | 2" | 2-1/4" |
| BU15G | Raute | 25mm | 45mm | 38mm |
| BU15GI | Raute | 1" | 1-3/4" | 1-1/2" |
| BU43 | COE M72 | 1-1/2" | 2" | 1-1/4" |
| BU24 | COE (Infeed Section), Moore Jet | 1-1/4" | 2-1/2" | 1-3/4" |
| BU32 | Westmill, COE, USNR, Moore & Prentice Long. (Std) | 1-1/2" | 2-1/2" | 1-3/4" |



Teflon Dryer Bearing BU31

COPPER IMPREGNATED GRAPHITE BEARING

| | | | | |
|-------|---|--------|--------|--------|
| BU39C | COE | 1-1/4" | 2-1/2" | 1-3/4" |
| BU34C | Westmill, COE (Cooler Section, Raised Rolls) | 1-1/2" | 2" | 1-1/2" |
| BU92C | Raute Jet | 25mm | 35mm | 30mm |
| BU33C | Westmill, COE, USNR, Moore & Prentice Long. (Std) | 1-1/2" | 2-1/2" | 1-3/4" |



Standard Graphite Bearing BU32

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

BEARING HOUSINGS

CONVEYOR COMPONENTS



B161



B162

ROLL TUBES & ASSEMBLIES



B163



B261

MAJOR COMPONENTS



B262



B263

DRYER DOORS



B361



B362

GENERAL COMPONENTS



B365



B366

| WESTMILL PART NO. | CROSS REF. | PART APPLICATION | BORE SIZE |
|-------------------|---------------------------------|---|-----------|
| B161 | 8212, PC072115 | Westmill, COE M72 Drive Side Closed Back | 2-1/2" |
| B162 | Prentice C-30 | Bolts to C006 (NW-64) Chain Hold down Replaces Moore RD-65 and RD-165 | 2-1/2" |
| B163 | 10499 | COE M-62 Drive Side | 2-1/2" |
| B261 | 10497, PC072113 | Westmill, COE M62/M72 Idler Side | 2-1/2" |
| B262 | PC072113L | Bearing Housing, Extended, Idler Side, Seal Section | 2-1/2" |
| B263 | Moore RD-161 COE 619-2006-00 | Moore: Top Roll Guide | 2-1/2" |
| B361 | Moore RD-165 | For Moore Dryer with 12" vertical deck spacing (short casting) | 2-1/2" |
| B362 | Moore RD-65 Prentice C-2 | For Moore Dryer with 15" vertical deck spacing | 2-1/2" |
| B365 | COE PB-016048 8281RH | COE: At door post notched at right | 2-1/2" |
| B366 | COE PB-016048 8281LH | COE: At door post notched at left | 2-1/2" |

WESTMILL EQUIPMENT



| WESTMILL PART NO. | CROSS REF. | PART APPLICATION | BORE SIZE |
|-------------------|---------------------------------|--|-----------------|
| B367 | PB-034280 10895A | Westmill, COE: Drive Side raises top roll, Cooler | 2-1/2" |
| B368 | PB-034281 10893A | Westmill, COE: Idler Side raises top roll, Cooler | 2-1/2" |
| B331 | Raute Wood 4R708667 | Raute Wood: Drive and Idler side | 1-3/4" |
| B331-M | Raute Wood 4R50430GKK | Raute Wood: Drive and Idler side | 45mm (1.77") |
| B363 | Moore RD-162 COE 619-2007-00 | Drive and Idler side | 2" |
| B371 | Moore RD-161 COE 619-2006-00 | Moore: Top Roll Guide | 1-11/6" |
| B369 | Babcock 4-bolt | Babcock: Screen Dryer | 45mm (1.77") |
| B370 | Babcock 4-bolt | Babcock: Screen Dryer | 45mm (1.77") |
| B372 | 8001645 | Babcock, 35mm OD x 25mm ID Bearing | 35mm |
| B376 | Moore RD-65 Prentice C-2 | For Moore Dryer with 15" vertical deck spacing | 2-1/2" |



B367



B368



B331



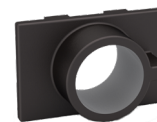
B331-M



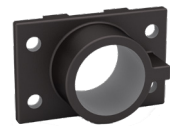
B363



B371



B369



B370



B372

CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT



STAR GEARS

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

| WESTMILL PART NO. | CROSS REFERENCE | TEETH | HUB STYLE | BORE | KEY WAY | LENGTH THRU BORE | TOOTH WIDTH |
|-------------------|--|-------|-----------|--------|------------|------------------|-------------|
| S213 | Moore RD-130 | 10 | A | 1-1/4" | 1/4" | 15/16" | 13/16" |
| S221 | Moore RD-130 | 10 | A | 1-1/4" | 3/8" | 15/16" | 13/16" |
| S302 | COE M-62 Jet | 10 | A | 1-1/2" | Plain Bore | 1-1/4" | 1-1/8" |
| S313 | Moore RD-130 | 10 | A | 1-1/2" | 1/4" | 15/16" | 13/16" |
| S312 | Moore RD-2S | 10 | A | 1-1/2" | 1/4" | 1-1/4" | 1-1/8" |
| S323 | - | 10 | A | 1-1/2" | 3/8" | 1-1/4" | 1-1/8" |
| S111 | Moore RD-77, COE 8216 | 10 | B | 1" | 1/4" | 2-1/4" | 1-1/8" |
| S201 | Moore | 10 | B | 1-1/4" | Plain Bore | 2-1/4" | 1-1/8" |
| S211 | - | 10 | B | 1-1/4" | 1/4" | 2-1/4" | 1-1/8" |
| S222 | Moore RD-3, COE 389 | 10 | B | 1-1/4" | 3/8" | 2-1/4" | 1-1/8" |
| S301 | Moore, Prentice | 10 | B | 1-1/2" | Plain Bore | 2-1/4" | 1-1/8" |
| S311 | Moore, Prentice | 10 | B | 1-1/2" | 1/4" | 2-1/4" | 1-1/8" |
| S311-2K | Moore, Prentice | 10 | B | 1-1/2" | 1/4", 3/8" | 2-1/4" | 1-1/8" |
| S321 | COE PC018139 | 10 | B | 1-1/2" | 3/8" | 2-1/4" | 1-1/8" |
| S322 | Westmill, COE PC018139 | 10 | B | 1-1/2" | 3/8" | 1-7/8" | 1-1/8" |
| S322-2K | Westmill, COE PC018139 | 10 | B | 1-1/2" | 3/8" | 1-7/8" | 1-1/8" |
| S324 | Westmill, COE M72 , PC079387 (Cooling Section) | 10 | B | 1-1/2" | 3/8" | 1-3/4" | 1" |
| S742 | Babcock | 10 | B | 20 mm | - | 38 mm | 26 mm |
| S101 | Raute Wood 3R708513 | 12 | B | 1" | 1/4" | 1-29/32" | 1" |
| S101-M | Raute Wood 3R403462 | 12 | B | 25 mm | 8 mm | 50 mm | 25 mm |



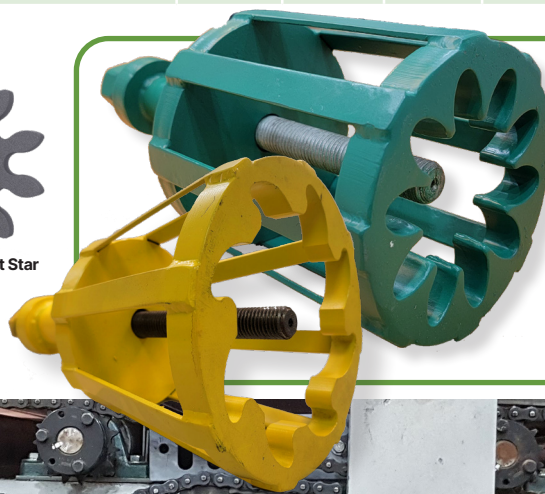
Standard (B-Hub)



Hubless (A-Style)



Feed Section Flat Star Gear S213



WE STOCK SPROCKET & STAR GEAR PULLERS

Safe & Easy Removal

Please contact our sales team for more information.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

| WESTMILL PART NO. | CROSS REFERENCE | TEETH | HUB STYLE | BORE | KEY WAY | LENGTH THRU BORE | TOOTH WIDTH |
|-------------------|-----------------|-------|-----------|------|---------|------------------|-------------|
|-------------------|-----------------|-------|-----------|------|---------|------------------|-------------|

HOOK TOOTH & REVERSING (81X CHAIN)

| | | | | | | | |
|----------|---|---|---|--------|-------------|--------|------|
| SP222 | COE-389 Moore RD-3 | 7 | C | 1-1/2" | 1/4" | 2-1/4" | 1" |
| SP321 | COE-389 Moore RD-3 | 7 | C | 1-1/2" | 3/8" | 2-1/4" | 1" |
| SP111 | MRJ COE 8216 Moore RD-77 | 8 | C | 1" | 1/4" | 2-1/4" | 1" |
| SP211 | COE 8216 Moore RD-77 | 8 | C | 1-1/4" | 1/4" | 2-1/4" | 1" |
| SP211-2K | COE 8216 Moore RD-77 PB-015261 | 8 | C | 1-1/4" | 1/4" & 3/8" | 2-1/4" | 1" |
| SP221 | COE 8216 Moore RD-77 PB-015261 | 8 | C | 1-1/4" | 3/8" | 2-1/4" | 1" |
| SP223 | COE 8216 Moore RD-77 | 8 | C | 1-1/2" | 1/4" | 2-1/4" | 1" |
| SP224 | Prentice C-9 Reversing Sprocket | 8 | C | 1-1/2" | 1/4" | 2-1/4" | 1" |
| SP224-2K | Prentice C-9 Reversing | 8 | C | 1-1/2" | 1/4" & 3/8" | 2-1/4" | 1" |
| SP226 | Split Sprocket NW-22S | 8 | C | 1-1/4" | - | 2-3/8" | 1" |
| SP227 | - | 8 | C | 1-1/4" | - | 2-1/4" | 1" |
| SP324 | NW-J22C | 8 | C | 1-1/2" | 3/8" | 2-5/8" | 1" |
| SP322 | COE 8216 Moore RD-77 Narrow Tooth Width | 8 | C | 1-1/2" | 3/8" | 2" | 1/2" |
| SP323 | Westmill, COE PC018140 (M72/M62) | 8 | C | 1-1/2" | 3/8" | 2-1/4" | 1" |
| SP323-2K | Westmill, COE M72, M62 | 8 | C | 1-1/2" | 1/4" & 3/8" | 2-1/4" | 1" |
| SP323-H | COE PC018140 (M72/M62) | 8 | C | 1-1/2" | 3/8" | 2-1/4" | 1" |
| SP326 | Westmill, COE Split Sprocket | 8 | C | 1-1/2" | - | 2-3/8" | 1" |

DRYER DRIVE TOWER SPROCKETS (81X CHAIN)

| | | | | | | | |
|-------|-------------------|---|---|---------|------|----|------|
| SP730 | RD-76 Moore NW-86 | 8 | B | 2-3/16" | 1/2" | 3" | 7/8" |
| SP840 | NW-87 COE | 8 | C | 2-3/16" | 5/8" | 3" | 7/8" |

DRYER DRIVE TOWER SPROCKETS (RC80 CHAIN)

| | | | | | | | |
|-------|---------|----|---|-------|---|---------|-------|
| SP171 | Babcock | 13 | B | 20 mm | - | 27.5 mm | 15 mm |
|-------|---------|----|---|-------|---|---------|-------|



RAUTE WOOD
RAU-013



REVERSING HOOK
TOOTH SP224



HOOK TOOTH
SPROCKET SP323



HOOK TOOTH
SPROCKET SP323-H



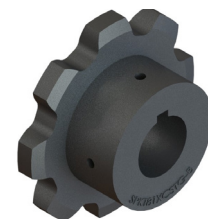
HOOK TOOTH SPLIT
SPROCKET SP326



HOOK TOOTH
SPROCKET SP227



DRIVE SPROCKET
SP840



DRIVE SPROCKET
SP730

| HUB STYLE | DESCRIPTION |
|-----------|----------------------|
| A HUB | No Flange |
| B HUB | Flange on one side |
| C HUB | Flange on both sides |

SPROCKETS

CONVEYOR
COMPONENTS

| WESTMILL PART NO. | CROSS REFERENCE | TEETH | HUB STYLE | BORE | KEY WAY | LENGTH THRU BORE | TOOTH WIDTH |
|-------------------|-----------------|-------|-----------|------|---------|------------------|-------------|
|-------------------|-----------------|-------|-----------|------|---------|------------------|-------------|

DRYER IDLER SPROCKETS (81X)

| | | | | | | | |
|-------|---------|---|---|------------------------|---|----|------|
| SB400 | RD-175A | 8 | B | 1.775" Ball Bearing | - | 3" | 7/8" |
| SZ600 | RD-175 | 8 | B | 2-3/16" Bronze Bushing | - | 3" | 7/8" |
| SZ221 | COE | 8 | C | 1-1/4" Bronze Bushing | - | 3" | 7/8" |

RAUTE WOOD / DURAND-RAUTE (RC100)

| | | | | | | | |
|---------|------------------------------|----|---|------|------|--------|--------|
| RAU-011 | 514-6017 Dryer Roll Sprocket | 17 | B | 1" | 1/4" | 1-1/2" | 0.692" |
| RAU-013 | Raute Metric-3 Sheet Dryer | 15 | B | 25mm | 8mm | 1-1/2" | 18mm |

DRIVE & IDLER (RC50)

| | | | | | | | |
|-----------|----------------------|----|---|---------------------|------|----|--------|
| WEST- 109 | 50B10 Idler Sprocket | 10 | B | 3/4" Oilite Bushing | - | 1" | 0.343" |
| SP212 | Drive Sprocket | 15 | B | 1-1/2" | 1/4" | 1" | 0.343" |
| SP213 | Drive Sprocket | 16 | B | 1" | 1/4" | 1" | 0.343" |

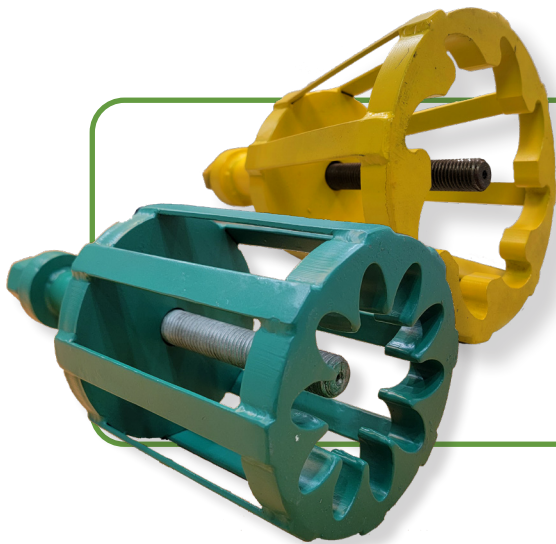
ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

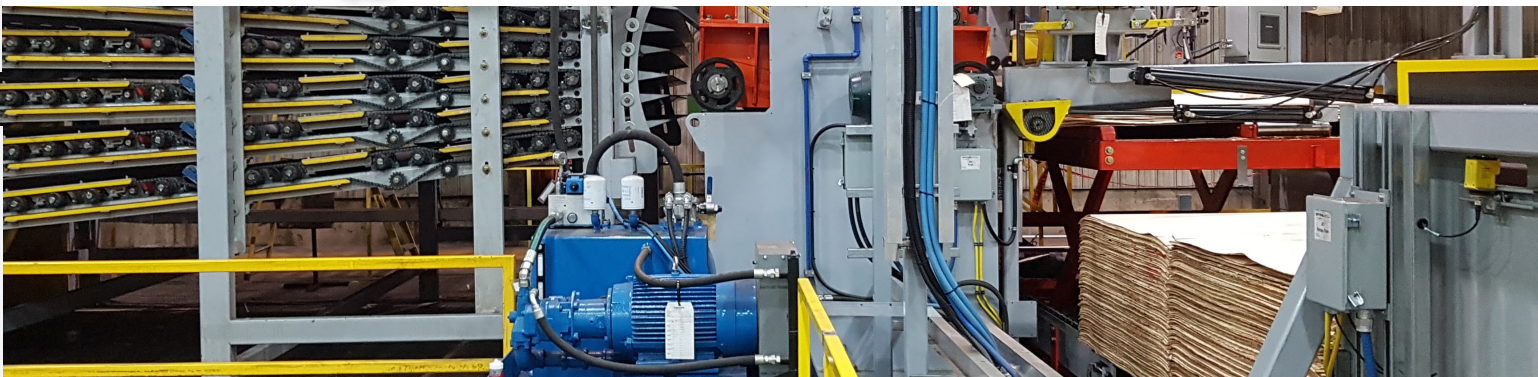


WE STOCK SPROCKET & STAR GEAR PULLERS

Safe & Easy Removal

Please contact our sales team for more information.

| HUB STYLE | DESCRIPTION |
|-----------|----------------------|
| A HUB | No Flange |
| B HUB | Flange on one side |
| C HUB | Flange on both sides |



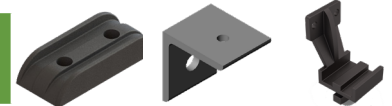
CHAIN HOLD DOWNS

Chain hold downs keep your dryer chain engaged to the roll sprockets and support the chain among its return path. Our chain hold downs are made from rugged cast iron.

Westmill also supplies mounting brackets for the chain hold downs, if required.

CONVEYOR COMPONENTS

| WESTMILL PART NO. | CROSS REFERENCE | PART NAME |
|-------------------|-----------------|-----------|
|-------------------|-----------------|-----------|



C001

C002

C003

CHAIN HOLD DOWNS

| | | |
|------|---------------------------------|--|
| C001 | Moore RD-7 | Chain Return Shoe |
| C002 | Moore RD-7C | Return Shoe Mounting Clip |
| C003 | COE 8213 | Long Chain Hold down & Return |
| C004 | COE 7907, COE 10979 | Short Chain Hold down and Return for COE M-62 |
| C005 | COE 8228 | Top Chain Hold down - Long |
| C006 | Prentice C30 | Prentice Chain Hold Down - bolts to m62 Rabbit Ear |
| C007 | Westmill, COE PC065295 | Chain Hold Down and return for COE M72 |
| C012 | Moore RD-145 COE 619-2040-00 | Moore Dryer Chain Return Shoe |
| C017 | RD-158 | Chain Bridge |



C004

C005

C006



C007

C012

C017

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

CHAIN WINDOWS

| | | |
|------|--------------------|--------------------------------|
| C008 | Prentice C33 | Single Chain Window (Prentice) |
| C014 | Prentice C34 | Double Chain Window (Prentice) |
| C009 | PA033855, CP010866 | Double Chain Window |
| C010 | PB025130, CP010867 | Single Chain Window (out) |
| C011 | PB025131, CP010868 | Single Chain Window (in) |



C008

C014

C009



C010

C011

DRYER DOORS

GENERAL COMPONENTS

DRYER CHAIN (81X)

Westmill supplies various styles of 81X veneer dryer chain. 81X chain is also used on other material conveying machinery.

We offer several sizes of chain:

- 81X chain: Straight side bar, bushed roller chain
- 81X-HD Chain: Heavy duty, straight side bar, bushed roller chain
- 81X-XHD Chain: Extra heavy duty, straight side bar, bushed roller chain
- Connecting links for all of the above chains

| CHAIN | DUTY LEVEL | LINK |
|------------|--------------------|-------------|
| WEST-81X | 81X, Standard Duty | WEST-81XXSD |
| WEST-81XHD | 81X, Heavy Duty | WEST-81XXHD |
| WEST-81XKD | 81X, Kiln Duty | WEST-81XXKD |



WESTMILL EQUIPMENT

GUDGEONS

CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

| WESTMILL PART NO. | DIAMETER | LENGTH | KEY SIZE | CONSTRUCTION | NOTES |
|--|----------|--------|----------|--------------|--------------------------------|
| GUDGEON ONE WOODRUFF KEY Note: Key #808 is 1/4" wide x 1" long Key #1210 is 3/8" wide x 1-1/4" long | | | | | |
| G211 | 1-1/4" | 3" | #808 | Cast Iron | Infeed |
| G223 | 1-1/4" | 3" | #1210 | Cast Iron | COE Dryer |
| G212 | 1-1/4" | 3-1/2" | #808 | Cast Iron | Infeed |
| G225 | 1-1/4" | 3-3/4" | #1210 | Cast Iron | Infeed Gudgeon for M72 |
| G224 | 1-1/4" | 4" | #1210 | Cast Steel | Infeed Gudgeon for M72 |
| G213 | 1-1/4" | 5" | #808 | Cast Iron | Infeed Drive |
| G222 | 1-1/4" | 5" | #1210 | Cast Iron | COE |
| G221 | 1-1/2" | 4-3/8" | #1210 | Cast Iron | COE M62 |
| G321 | 1-1/2" | 4-3/8" | #1210 | Cast Iron | Westmill, COE M72 |
| G311 | 1-1/2" | 5" | #808 | Cast Iron | Moore & Prentice |
| G322 | 1-1/2" | 5" | #1210 | Cast Iron | COE |
| G327 | 1-1/2" | 5-1/2" | #1210 | Cast Iron | - |
| GUDGEON TWO WOODRUFF KEY Note: Key #808 is 1/4" wide x 1" long Key #1210 is 3/8" wide x 1-1/4" long | | | | | |
| G215 | 1-1/4" | 5" | #808 | Cast Iron | Flattening Roll |
| G326 | 1-1/2" | 5" | #808 | Cast Iron | Cross-Over Drive |
| G325 | 1-1/2" | 6-1/2" | #1210 | Cast Steel | Cross-Over Drive |
| G323 | 1-1/2" | 7-3/8" | #1210 | Cast Steel | COE M62 |
| G324 | 1-1/2" | 7-3/4" | #1210 | Cast Steel | Westmill, COE M72 |
| GUDGEON SNAP RING GROOVE | | | | | |
| G101-M | 25mm | 2-1/2" | NA | Cast Iron | Raute Top & Bottom, idler side |
| G101 | 1" | 2-5/8" | NA | Cast Steel | Raute Top & Bottom, idler side |
| G302 | 1-1/2" | 2-3/4" | NA | Cast Iron | Westmill, COE M62/M72 |



| WESTMILL PART NO. | DIAMETER | LENGTH | KEY SIZE | CONSTRUCTION | NOTES |
|-------------------|----------|--------|----------|--------------|-------|
|-------------------|----------|--------|----------|--------------|-------|

GUDGEON STRAIGHT KEYWAY

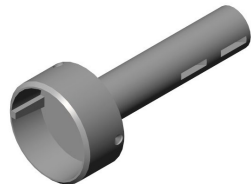
| | | | | | |
|--------|--------|----------|---------------|------------|-------------------------|
| G111-M | 25mm | 3-15/16" | 8mm | Cast Steel | Raute Top Drive Side |
| G112-M | 25mm | 5-13/16" | 8mm | Cast Steel | Raute Bottom Drive Side |
| G111 | 1" | 4-1/8" | 1/4" x 2-1/4" | Cast Steel | Raute Top Drive Side |
| G112 | 1" | 6" | 1/4" x 4" | Cast Steel | Raute Bottom Drive Side |
| G214 | 1-1/4" | 5" | 1/4" x 3" | Cast Steel | Infeed |
| G216 | 1-1/4" | 6-1/4" | 1/4" x 2" | Cast Steel | COE Infeed Lower Roller |
| G217 | 1-1/4" | 6-3/4" | 1/4" x 4" | Cast Steel | Infeed |
| G312 | 1-1/2" | 5" | 1/4" x 3" | Cast Iron | COE |

GUDGEON NO KEY

| | | | | | |
|------|--------|--------|----|------------|----------------------------------|
| G201 | 1-1/4" | 2-1/8" | NA | Cast Iron | Infeed |
| G203 | 1-1/4" | 4" | NA | Cast Steel | Infeed Gudgeon for M72 |
| G202 | 1-1/4" | 5" | NA | Cast Iron | Infeed |
| G301 | 1-1/2" | 2" | NA | Cast Iron | Westmill, COE M62/M72 Top, Moore |
| G303 | 1-1/2" | 5" | NA | Cast Iron | Moore Top |
| G304 | 1-1/2" | 6-1/2" | NA | Cast Iron | - |



ONE WOODRUFF KEY
G211



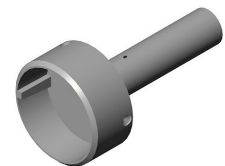
TWO WOODRUFF KEY
G324



SNAP RING GROOVE
G302



STRAIGHT KEYWAY
G312



NO KEY
G202

CUSTOM GUDGEONS

Westmill can supply any custom gudgeon design required.

The gudgeon shaft is connected to the bell housing by welding. Our bell housings are designed to fit roll tubes 3-3/4" outer diameter x 0.125" wall. We can also assemble the entire roll assembly before shipping.



COULDN'T FIND THE PART YOU NEED?

WE CAN MAKE IT FOR YOU



CONTACT OUR SALES TEAM TODAY!



DRYER ROLL TUBING

Westmill supplies roll tubes for all makes and models of veneer dryers, infeeds, outfeeds, and sheet-handling conveyors.

We can supply any diameter, wall thickness, and length you need. We are likely to have your tubes in stock and available for you in a week or less.



| WESTMILL PART NO. | OUTER DIAMETER | WALL THICKNESS | LENGTH |
|-------------------|----------------|----------------|-----------|
| WEST-64 | 2-1/4" | 0.125" | 15' |
| WEST-165 | 3" | 0.125" | 9'-5 1/4" |
| WEST-315 | 3-3/4" | 0.125" | 14'-6" |
| WEST-304 | 3-3/4" | 0.125" | 15' |
| WEST-305 | 3-3/4" | 0.125" | 15'-6" |
| WEST-167 | 4" | 0.125" | 9'-6" |
| RAU-009 | 4" | 0.125" | 15'-9" |

* For custom lengths, please contact our sales team

WHY IS IT SO IMPORTANT TO HAVE STRAIGHT DRYER ROLLS?

The standard tolerance for Run-out of a 180" long dryer roll from a North American steel mill can be upwards of 0.250 - 0.375, leading to veneer plug-up's and sheet tracking issues. WESTMILL is the only dryer manufacturer that straightens every roll assembly to within 1/16" (0.063) before sending them to our customers.

STANDARD & CUSTOM PRE-ASSEMBLED ROLLERS

Avoid misaligned tubes and gudgeons that cause veneer tracking issues and premature drive-side wear by using Westmill professionally pre-assembled roll tubes and gudgeons.

- Eliminate time-consuming roll assembly
- Gudgeons are hydraulically press-fit for accuracy
- Welded or Dimple locked to prevent slippage
- Roll assemblies are hydraulically straightened after assembly
- Available for all dryer makes and models
- An economic solution



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

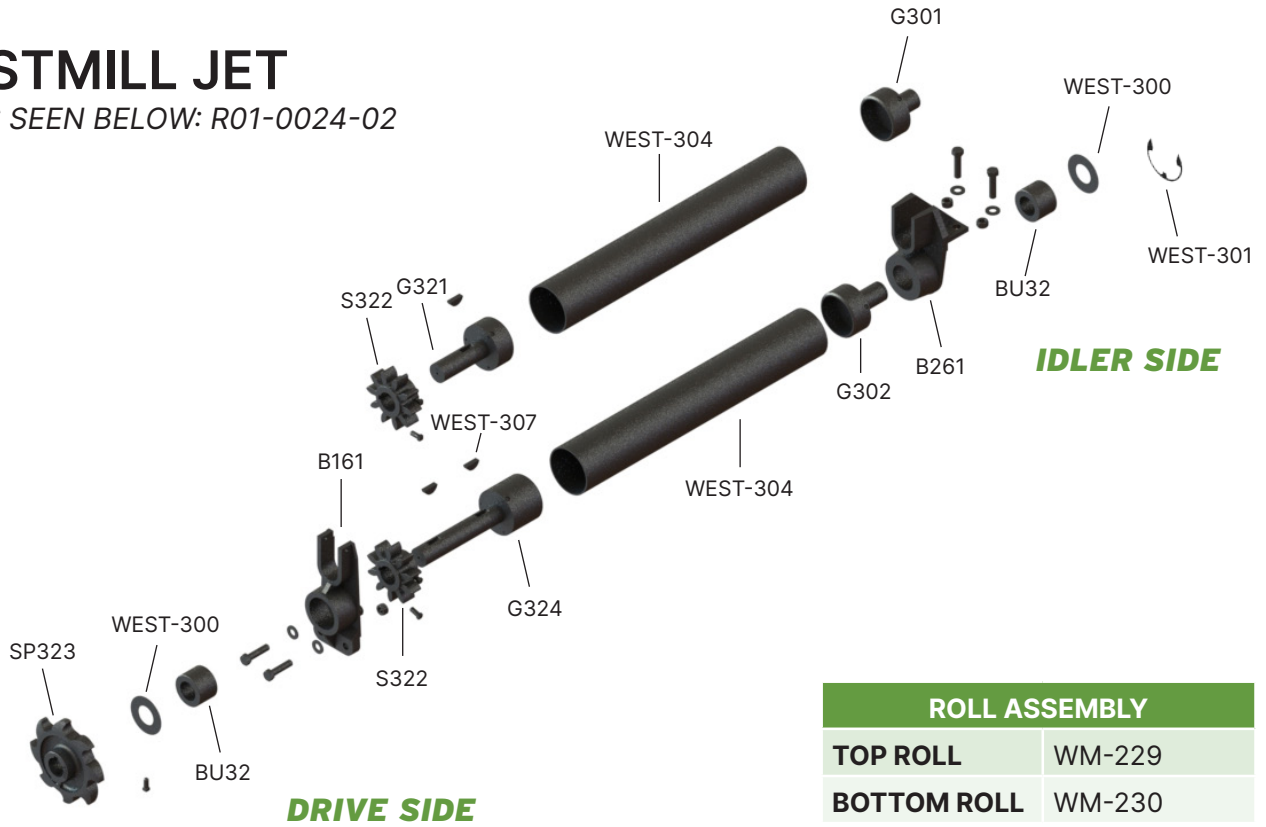
GENERAL COMPONENTS

WESTMILL EQUIPMENT

ROLL SET

WESTMILL JET

SET AS SEEN BELOW: R01-0024-02



| WESTMILL PART NO. | QUANTITY | DESCRIPTION |
|-------------------|----------|---|
| WEST-304 | 2 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G321 | 1 | Gudgeon, 1-1/2" x 4-3/8" Lg, 3/8" Woodruff Keyway |
| G301 | 1 | Gudgeon, 1-1/2" x 2" Lg |
| G302 | 1 | Gudgeon, 1-1/2" x 2-3/4" Lg, w/ Snap Ring Groove |
| G324 | 1 | Gudgeon, 1-1/2" x 7-3/4" Lg, 2x 3/8" Woodruff Keyway |
| B261 | 1 | Bearing Housing, Idler Side |
| B161 | 1 | Bearing Housing, Drive Side, Closed Back |
| BU32 | 2 | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 3/8" Keyway |
| S322 | 2 | Star Gear, 10-Tooth, 1-1/2" Bore, 1-7/8" LTB, 3/8" Keyway |
| WEST-300 | 2 | Washer, 1-9/16" (1-1/2" Nom) ID x 3" OD x 1/16" Thk |
| WEST-301 | 1 | Snap Ring, 1-1/2" (1.375") "E" |
| WEST-307 | 3 | Woodruff Key, 3/8" x 1-1/4", Type E, #1210 |
| WEST-302 | 3 | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |
| DH923 | 4 | Nut, Hex, 1/2"-13 UNC |
| WEST-225 | 4 | Capscrew, 1/2"-13 UNC x 1-3/4" Lg |
| WEST-226 | 4 | Washer, Narrow, 1/2" Dia, SAE |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

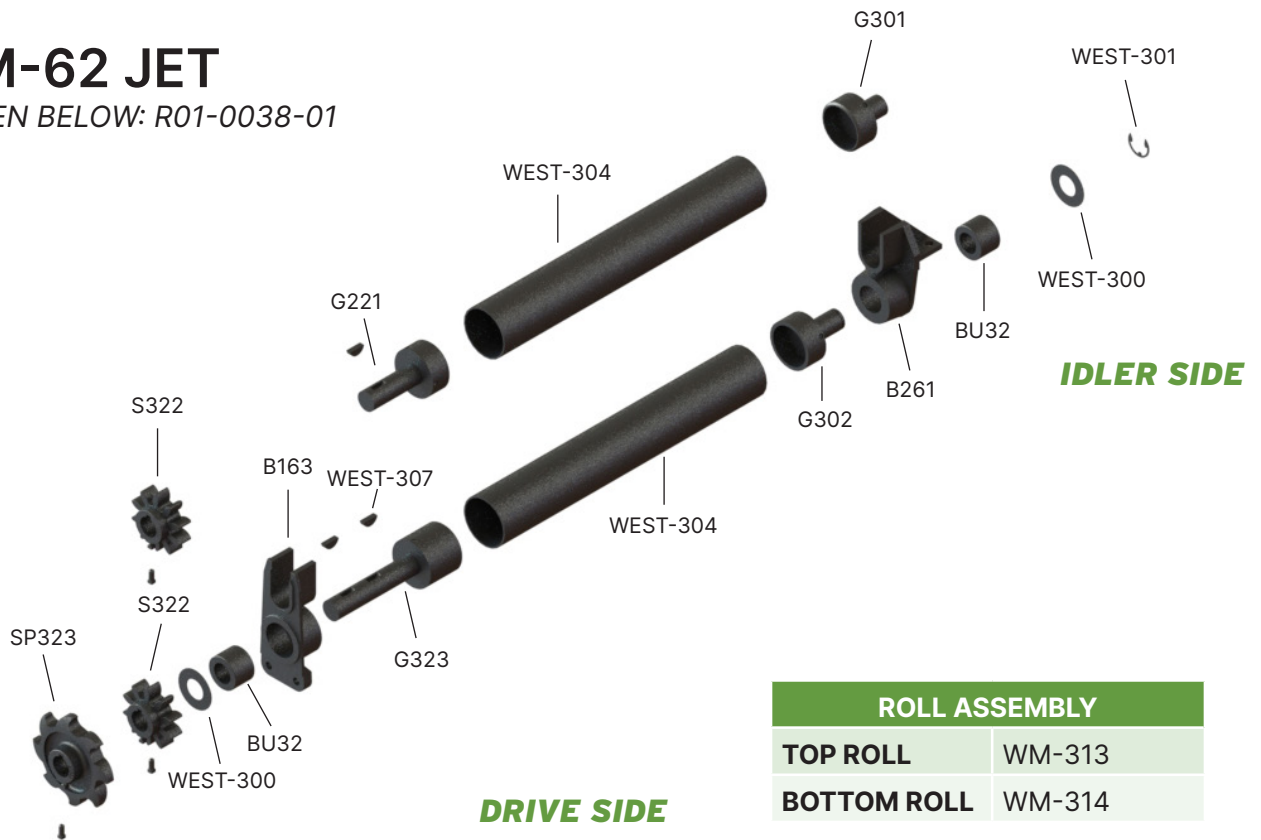
DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

COE M-62 JET

SET AS SEEN BELOW: R01-0038-01



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-313 |
| BOTTOM ROLL | WM-314 |

| WESTMILL PART NO. | QUANTITY | CROSS REFERENCE | DESCRIPTION |
|-------------------|----------|-----------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G221 | 1 | - | Gudgeon, 1-1/2" x 4-3/8" Lg, 3/8" Woodruff Keyway |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G302 | 1 | PC- 010091-B | Gudgeon, 1-1/2" x 2-3/4" Lg, w/ Snap Ring Groove |
| G323 | 1 | - | Gudgeon, 1-1/2" x 7-3/4" Lg, 2x 3/8" Woodruff Keyway |
| B261 | 1 | COE 10497 | Bearing Housing, Idler Side |
| B163 | 1 | COE 10499 | Bearing Housing, Drive Side, Closed Back |
| BU32 | 2 | - | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | PC-018140 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 3/8" Keyway |
| S322 | 2 | PC-045141 | Star Gear, 10-Tooth, 1-1/2" Bore, 1-7/8" LTB, 3/8" Keyway |
| WEST-300 | 2 | VM010601 | Washer, 1-9/16" (1-1/2" Nom) ID x 3" OD x 1/16" Thk |
| WEST-301 | 1 | - | Snap Ring, 1-1/2" (1.375") "E" |
| WEST-307 | 3 | VM010120 | Woodruff Key, 3/8" x 1-1/4", Type E, #1210 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |
| DH923 | 2 | - | Nut, Hex, 1/2"-13 UNC |
| WEST-225 | 2 | - | Capscrew, 1/2"-13 UNC x 1-3/4" Lg |
| WEST-226 | 2 | - | Washer, Narrow, 1/2" Dia, SAE |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

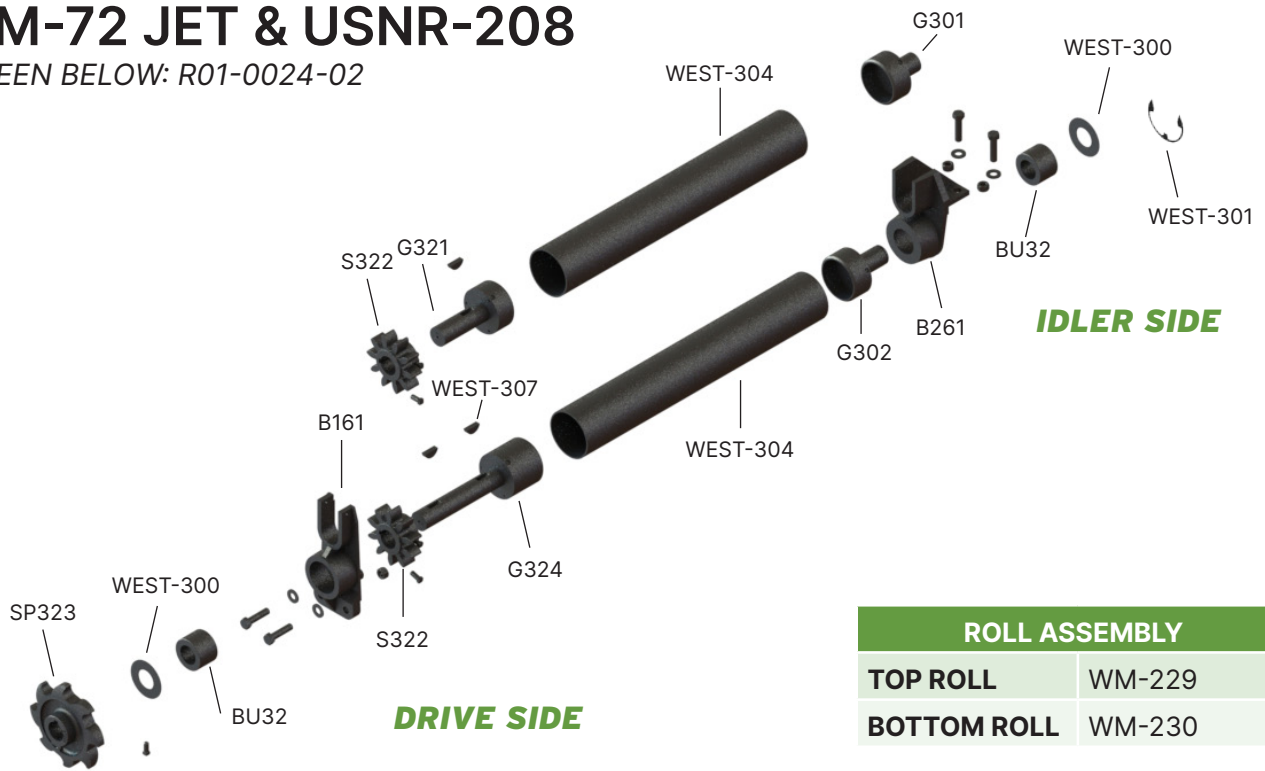
GENERAL COMPONENTS

WESTMILL EQUIPMENT

ROLL SET

COE M-72 JET & USNR-208

SET AS SEEN BELOW: R01-0024-02



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-229 |
| BOTTOM ROLL | WM-230 |

| WESTMILL PART NO. | QTY. | CROSS REFERENCE | DESCRIPTION |
|-------------------|------|----------------------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube 3-3/4" OD x 15' LG |
| G321 | 1 | COE M-72, PC-010091A | Gudgeon 1-1/2" D x 4-3/8" LG stem |
| G301 | 1 | COE M-62/M-72 | Gudgeon 1-1/2" D x 2" LG stem |
| G302 | 1 | COE M-62/M-72, PC-010091-B | Gudgeon (Snap Ring Groove) |
| G324 | 1 | COE M-72 | Gudgeon 1-1/2" D x 7-3/4" LG stem |
| B261 | 1 | COE M-62/M-72 | Bearing Housing, Idler Side, |
| B161 | 1 | COE 8212 | Bearing Housing, Drive Side |
| BU32 | 2 | PC06609, COE, Westmill | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | COE, PC-018140 | 8-Tooth, Hook Sprocket, 81X |
| S322 | 2 | COE 8216, PC-045141 | 10-Tooth, 1-1/2" Bore, 1-7/8" LTB, 3/8" Keyway |
| WEST-300 | 2 | VM-010601 | 1-9/16" D Gudgeon Washer |
| WEST-301 | 1 | VM-010108 | Gudgeon Snap Ring, 1-1/2" (1.375") 'E' |
| WEST-307 | 3 | VM-010120 | #1210 3/8" Woodruff Key |
| WEST-302 | 3 | - | Square Head Set Screw 3/8" UNC x 3/4" |
| DH923 | 4 | - | Nut, Hex, 1-1/2" - 13 UNC, Gr.8 |
| WEST-225 | 4 | - | Cap Screw, Hex Head, 1/2" - 13 UNC x 1-3/4", Lg, Gr.5 |
| WEST-226 | 4 | - | Washer, Flat, Narrow, 1/2" Dia, Gr.5 |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

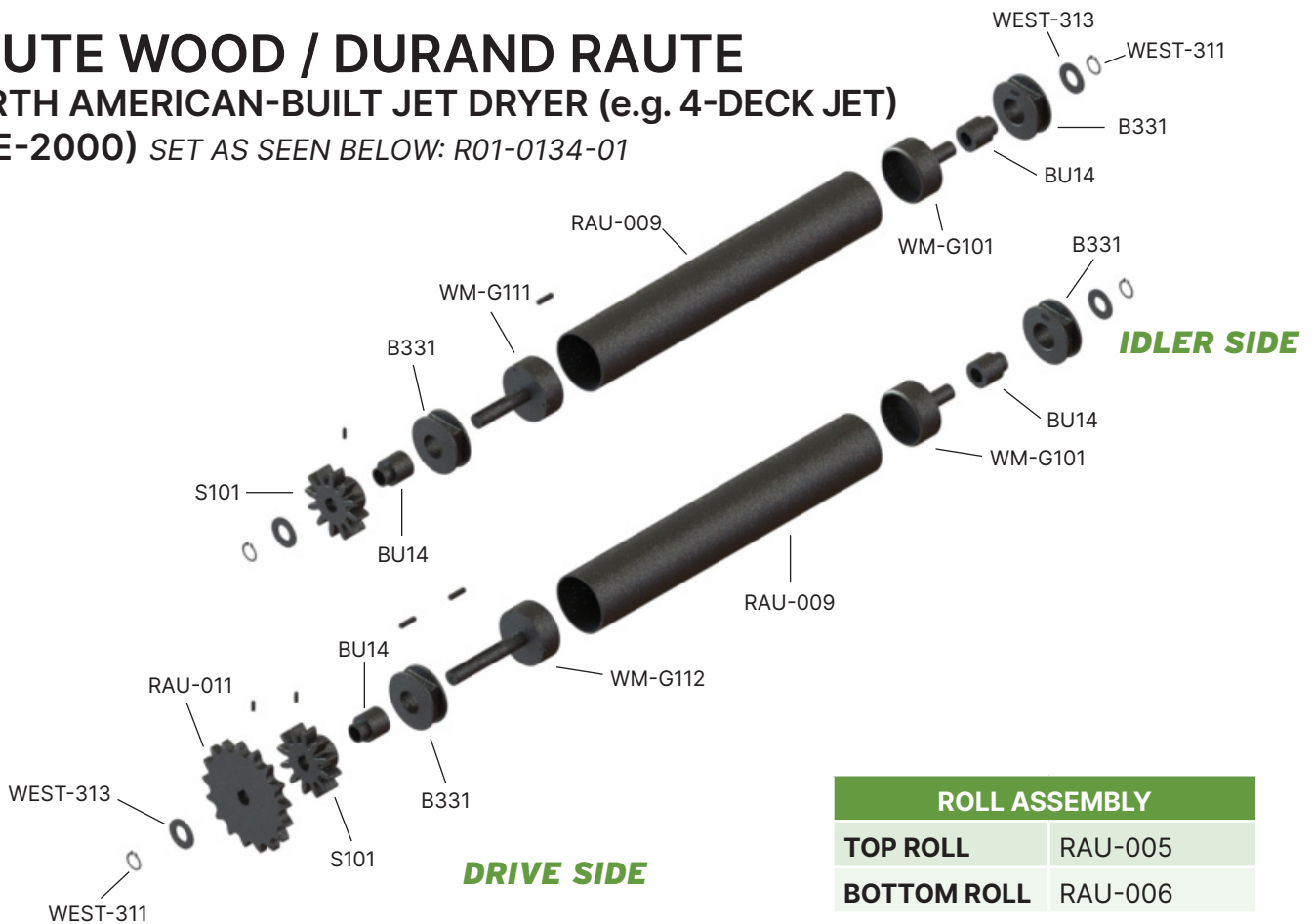
MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

RAUTE WOOD / DURAND RAUTE NORTH AMERICAN-BUILT JET DRYER (e.g. 4-DECK JET) (PRE-2000) SET AS SEEN BELOW: R01-0134-01



| ROLL ASSEMBLY | |
|---------------|---------|
| TOP ROLL | RAU-005 |
| BOTTOM ROLL | RAU-006 |

| WESTMILL PART NO. | QTY. | CROSS REFERENCE | DESCRIPTION |
|-------------------|------|---------------------|---|
| RAU-009 | 2 | Raute Wood | Roll Tube, 4" OD x 0.125" Wall x 189" Lg |
| G101 | 2 | Raute Wood | Gudgeon, Idler, 2-9/16", Cast Steel |
| G111 | 1 | Raute Wood | Gudgeon, Drive, Top, 1" Dia x 4-1/8" Stem, w/Square Keyway & Snap Ring |
| G112 | 1 | Raute Wood | Gudgeon, Drive, Bottom, 1" Dia x 6" Stem, w/ square Keyway & Snap Ring |
| B331 | 4 | Raute Wood 4R708667 | Bearing Housing |
| BU14 | 4 | Raute Wood | Bushing, Teflon, 1" ID x 1-3/4" OD x 2-1/8" Lg, w/ Step |
| S101 | 2 | Raute Wood | Star Gear, 12-Tooth, B-Hub, 1" Bore, 1-7/8" LTB, 1/4" Keyway, Cast Iron |
| RAU-011 | 1 | Raute Wood | Sprocket, Raute, 17-Tooth, 1" Bore x 1/4" Key |
| WEST-420 | 3 | - | Key, 1/4" Square x 1-1/4" Long, A36 |
| WEST-412 | 3 | - | Set screw 1/4" UNC x 3/4" Long, Cup Pt. |
| WEST-311 | 4 | - | Snap ring Tru-Arc 5100-100 |
| WEST-313 | 4 | - | Washer, Flat, 1-1/16" ID x 2" OD x 1/8" THK |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

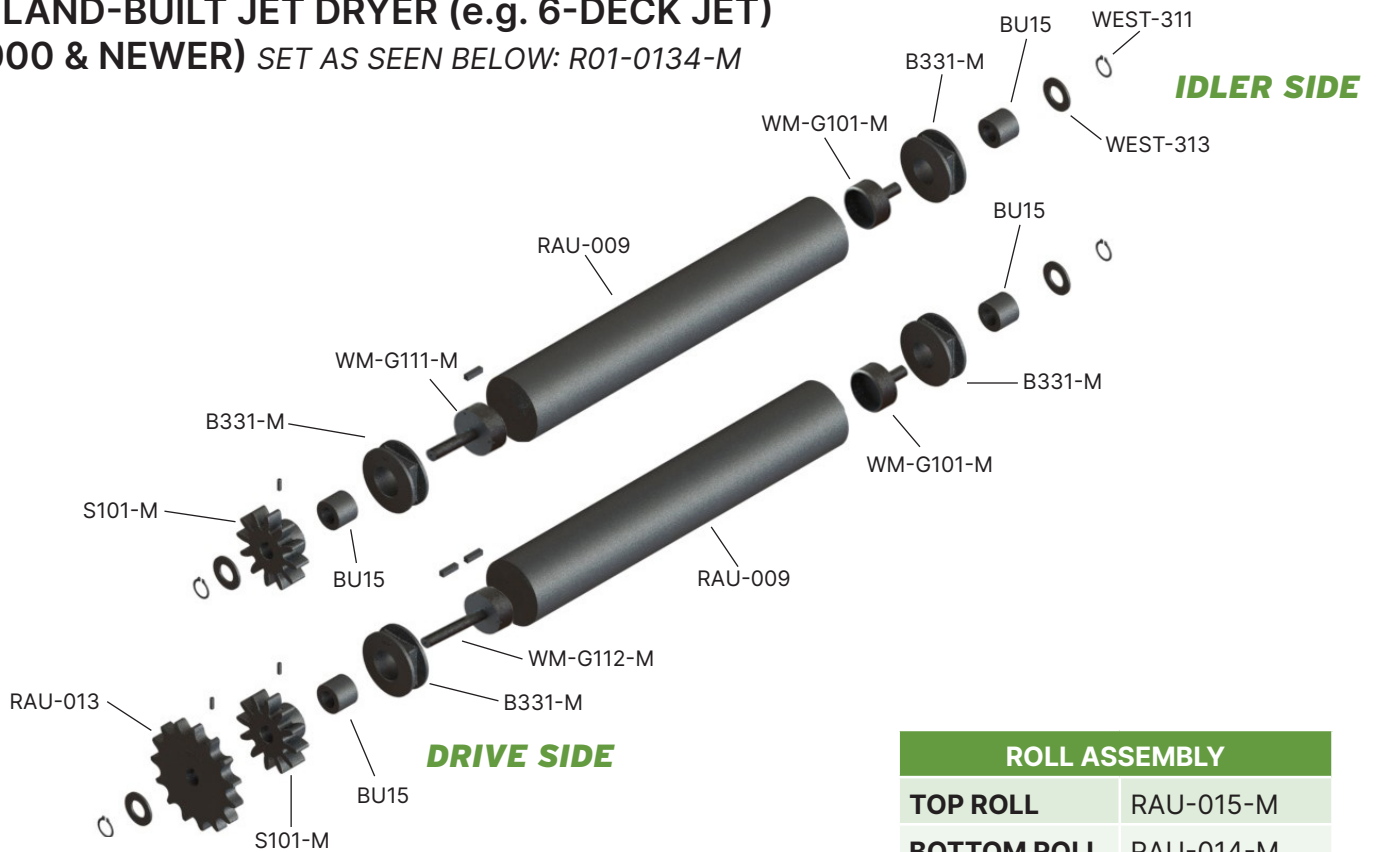
GENERAL COMPONENTS

WESTMILL EQUIPMENT

ROLL SET

RAUTE WOOD

FINLAND-BUILT JET DRYER (e.g. 6-DECK JET)
(2000 & NEWER) SET AS SEEN BELOW: R01-0134-M



| ROLL ASSEMBLY | |
|---------------|-----------|
| TOP ROLL | RAU-015-M |
| BOTTOM ROLL | RAU-014-M |

| WESTMILL PART NO. | QTY. | CROSS REFERENCE | DESCRIPTION |
|-------------------|------|-----------------------|---|
| RAU-009 | 2 | Raute Wood | Roll Tube, 4" OD x 0.125" Wall x 189" Lg |
| G101-M | 2 | - | Gudgeon, Idler, 25mm Dia x 64mm Stem |
| G111-M | 1 | - | Gudgeon, Drive, 25mm OD x 100mm Stem, w/ Keyway & Snap Ring |
| G112-M | 1 | - | Gudgeon, Drive, 25mm OD x 148mm Stem, w/ Keyway & Snap Ring |
| B331-M | 4 | Raute Wood 4R504306KK | Bearing Housing, Metric |
| BU15 | 4 | Raute Wood | Bushing, Teflon, 25mm ID x 45mm OD x 38mm Lg |
| S101-M | 2 | Raute Wood 3R708513 | Star Gear, 12-Tooth, B-Hub, 25mm Bore, 50mm LTB, 8mm Keyway |
| RAU-013 | 1 | Raute Wood 4R900147 | Sprocket, 15-Tooth, 25mm Bore |
| WEST-830 | 3 | - | Key, 8 mm x 30 mm Lg, Square |
| WEST-412 | 2 | - | Set screw 1/4" UNC x 3/4" Long, Cup Pt. |
| WEST-311 | 4 | - | Snap ring Tru-Arc 5100-100 |
| WEST-313 | 4 | - | Washer, Flat, 1-1/16" ID x 2" OD x 1/8" Thk. |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

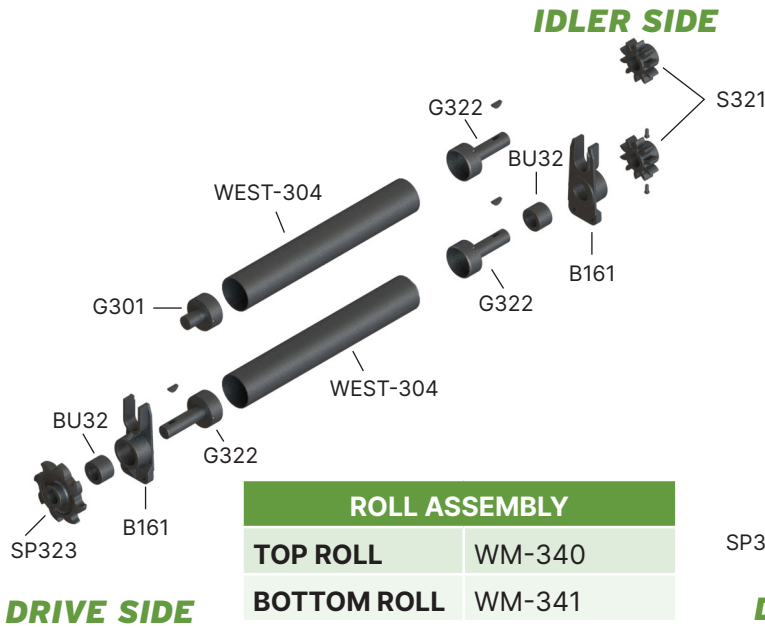
DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

COE LONGITUDINAL 15" VERTICAL DECK SPACING

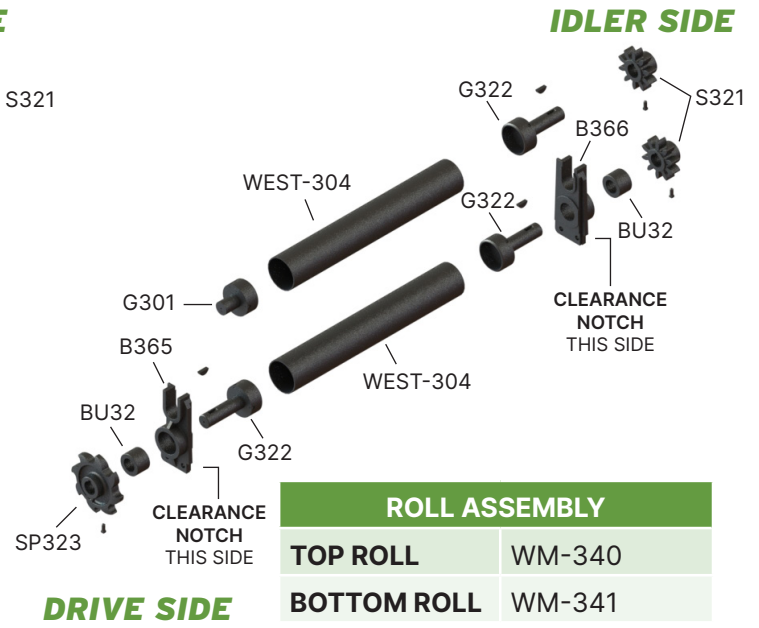
SET AS SEEN BELOW: R01-0103-01



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-340 |
| BOTTOM ROLL | WM-341 |

COE LONGITUDINAL 15" VERTICAL DECK SPACING (AT LEFT OF DOOR POST)

SET AS SEEN BELOW: R01-0104-01



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-340 |
| BOTTOM ROLL | WM-341 |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G322 | 3 | - | Gudgeon, 1-1/2" x 5" Lg, 3/8" Woodruff KY |
| B161 | 2 | COE 8212 | Bearing Housing, Drive Side, Closed Back |
| BU32 | 2 | PC-066095 | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | PC-018140 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 3/8" KY |
| S321 | 2 | PC-018139 | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 3/8" Keyway |
| WEST-307 | 3 | VM010120 | Woodruff Key, 3/8" x 1-1/4", Type E, #1210 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G322 | 3 | - | Gudgeon, 1-1/2" x 5" Lg, 3/8" Woodruff KY |
| B366 | 1 | PB-016048L | Bearing Hanger, 8282, Notched LH |
| B365 | 1 | PB-016048R | Bearing Hanger, 8281, Notched, RH |
| BU32 | 2 | PC-066095 | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | PC-018140 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 3/8" KY |
| S321 | 2 | PC-018139 | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 3/8" Keyway |
| WEST-307 | 3 | VM010120 | Woodruff Key, 3/8" x 1-1/4", Type E, #1210 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

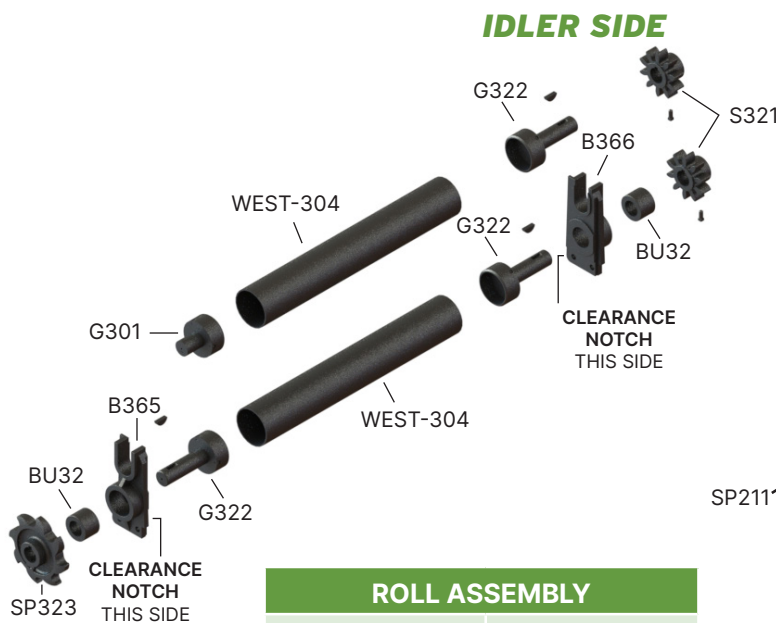
WESTMILL EQUIPMENT

ROLL SET

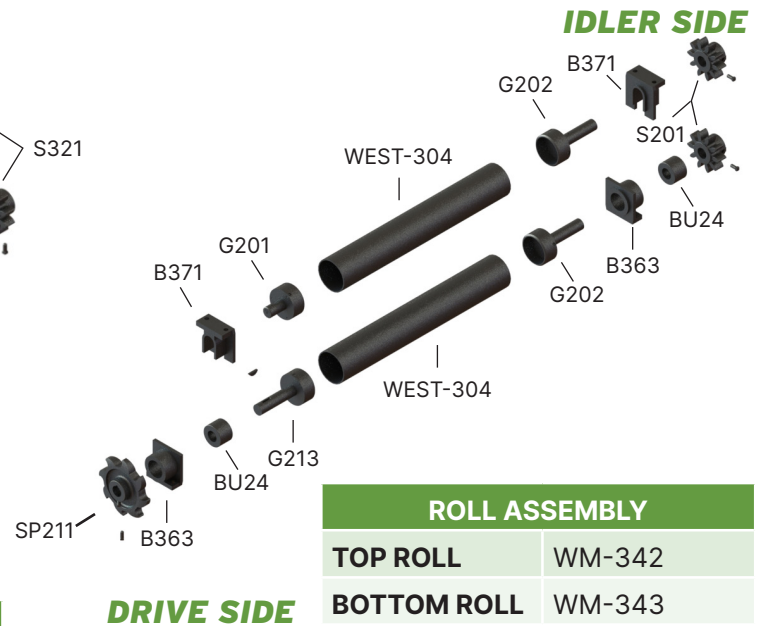
COE LONGITUDINAL 15" VERTICAL DECK SPACING (AT RIGHT OF DOOR POST) SET AS SEEN BELOW: R01-0104-01

MOORE JET STANDARD (PRE-1970S)

SET AS SEEN BELOW: R01-0108-01



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-340 |
| BOTTOM ROLL | WM-341 |



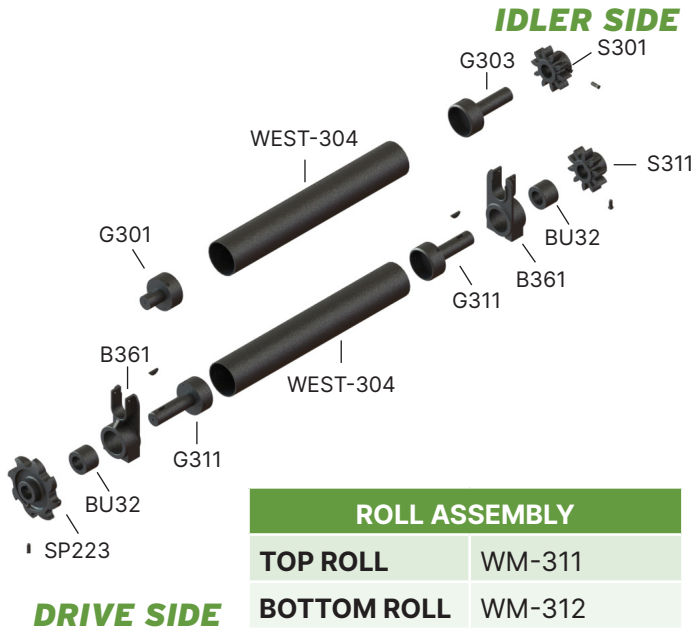
| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-342 |
| BOTTOM ROLL | WM-343 |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G322 | 3 | - | Gudgeon, 1-1/2" x 5" Lg, 3/8" Woodruff KY |
| B366 | 1 | PB-016048L | Bearing Hanger, 8282, Notched LH |
| B365 | 1 | PB-016048R | Bearing Hanger, 8281, Notched, RH |
| BU32 | 2 | PC-066095 | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| SP323 | 1 | PC-018140 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 3/8" KY |
| S321 | 2 | PC-018139 | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 3/8" KY |
| WEST-307 | 3 | VM010120 | Woodruff Key, 3/8" x 1-1/4", Type E, #1210 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|--|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G201 | 1 | PB025116AB | Gudgeon, 1-1/4" x 2-1/8" Lg, Pin Hole |
| G202 | 2 | - | Gudgeon, 1-1/4" x 5" Lg, 1/8" Cross hole |
| G213 | 1 | - | Gudgeon, 1-1/4" x 5" Lg, 1/4" Woodruff KY |
| B363 | 2 | RD-162 | Roll Housing, Bottom |
| B371 | 2 | RD-161 | Roll Guide, Top |
| BU24 | 2 | - | Bearing, Graphite, Infeed, 1-1/4" ID x 2-1/2" OD x 1-3/4" Lg |
| S201 | 2 | - | Star Gear, 10-Tooth, 1-1/4" Bore, 2-1/4" LTB |
| SP211 | 1 | RD-77 | Sprocket, 8-Tooth, 1-1/4" Bore x 2-1/4" LTB, 1/4" KY |
| WEST-306 | 1 | - | Woodruff Key, 1/4" x 1", Type #15 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

MOORE LONGITUDINAL 12" VERTICAL DECK SPACING

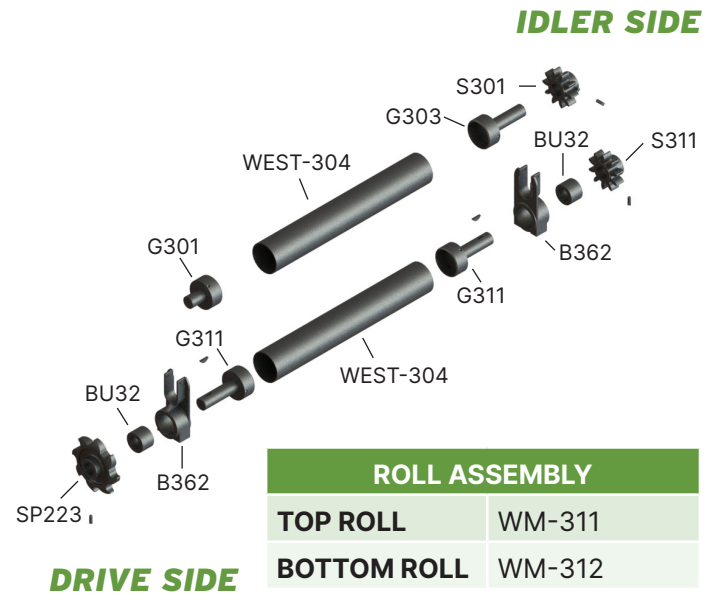
SET AS SEEN BELOW: R01-0102-01P



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-311 |
| BOTTOM ROLL | WM-312 |

MOORE & PRENTICE LONGITUDINAL

15" VERTICAL DECK SPACING
SET AS SEEN BELOW: R01-0101-01P



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-311 |
| BOTTOM ROLL | WM-312 |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G303 | 1 | - | Gudgeon, 1-1/2" x 5" Lg |
| G311 | 2 | - | Gudgeon, 1-1/2" x 5" Lg, 1/4" Woodruff KY |
| B361 | 2 | RD-165 | Bearing Housing, 2-1/2" Bore |
| BU32 | 2 | PC-066095 | Bearing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| S301 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB |
| S311 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 1/4" KY |
| SP223 | 1 | RD-77 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 1/4" KY |
| WEST-306 | 2 | - | Woodruff Key, 1/4" x 1", Type #15 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G303 | 1 | - | Gudgeon, 1-1/2" x 5" Lg |
| G311 | 2 | - | Gudgeon, 1-1/2" x 5" Lg, 1/4" Woodruff KY |
| B362 | 2 | RD-65 | Bearing Housing |
| BU32 | 2 | PC-066095 | Bushing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| S301 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB |
| S311 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 1/4" KY |
| SP223 | 1 | RD-77 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 1/4" KY |
| WEST-306 | 2T | - | Woodruff Key, 1/4" x 1", Type #15 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

ROLL SET

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

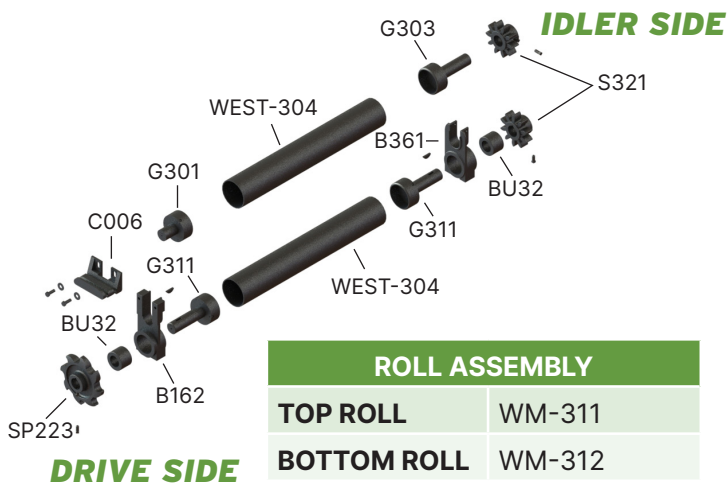
DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

PRENTICE LONGITUDINAL 12" VERTICAL DECK SPACING

(CHAIN HOLD DOWN BOLTED TO BEARING HOUSING)
SET AS SEEN BELOW: R01-0107-01P

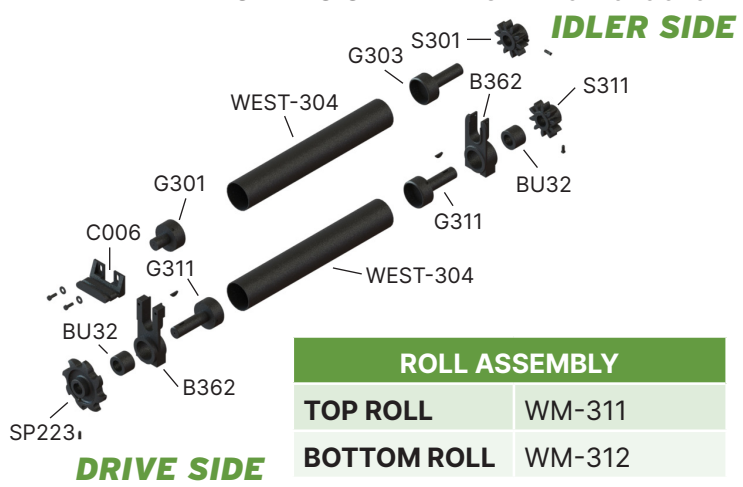


| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-311 |
| BOTTOM ROLL | WM-312 |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G303 | 1 | - | Gudgeon, 1-1/2" x 5" Lg |
| G311 | 2 | - | Gudgeon, 1-1/2" x 5" Lg, 1/4" Woodruff KY |
| B361 | 1 | RD-165 | Bearing Housing, 2-1/2" Bore |
| B162 | 1 | C-30 | Bearing Housing |
| BU32 | 2 | PC-066095 | Bushing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| S301 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB |
| S311 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 1/4" KY |
| SP223 | 1 | RD-77 | Sprocket, Split, 8-Tooth, 1-1/4" Bore |
| C006 | 1 | C30 | Chain Hold Down, C30 |
| WEST-306 | 2 | - | Woodruff Key, 1/4" x 1", Type #15 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |
| WEST-322 | 2 | - | Capscrew, Hex Head, 3/8"-16 UNC x 1" Lg |
| WEST-224 | 2 | - | Washer, Narrow, 3/8" Dia. SAE |

PRENTICE LONGITUDINAL 15" VERTICAL DECK SPACING

(CHAIN HOLD DOWN BOLTED TO BEARING HOUSING)
SET AS SEEN BELOW: R01-0106-01P



| ROLL ASSEMBLY | |
|---------------|--------|
| TOP ROLL | WM-311 |
| BOTTOM ROLL | WM-312 |

| WESTMILL PART NO. | QTY | CROSS REF. | DESCRIPTION |
|-------------------|-----|------------|---|
| WEST-304 | 2 | VM011288 | Roll Tube, 3-3/4" OD x 0.125 Wall x 15' 0" Lg |
| G301 | 1 | - | Gudgeon, 1-1/2" x 2" Lg |
| G303 | 1 | - | Gudgeon, 1-1/2" x 5" Lg |
| G311 | 2 | - | Gudgeon, 1-1/2" x 5" Lg, 1/4" Woodruff KY |
| B362 | 1 | RD-65 | Bearing Housing |
| B162 | 1 | C-30 | Bearing Housing |
| BU32 | 2 | PC-066095 | Bushing, Graphite, 1-1/2" ID x 2-1/2" OD x 1-3/4" Lg |
| S301 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB |
| S311 | 1 | - | Star Gear, 10-Tooth, 1-1/2" Bore, 2-1/4" LTB, 1/4" KY |
| SP223 | 1 | RD-77 | Sprocket, 8-Tooth, 1-1/2" Bore x 2-1/4" LTB, 1/4" KY |
| C006 | 1 | C30 | Chain Hold Down, C30 |
| WEST-306 | 2 | - | Woodruff Key, 1/4" x 1", Type #15 |
| WEST-302 | 3 | - | Set Screw, Square Head, 3/8"-16 UNC x 3/4" Lg |
| WEST-322 | 2 | - | Capscrew, Hex Head, 3/8"-16 UNC x 1" Lg |
| WEST-224 | 2 | - | Washer, Narrow, 3/8" Dia. SAE |

DRYER INSPECTIONS OPTIMIZE YOUR DRYER

Providing professional & objective insight into your veneer dryer.

Westmill performs on-site dryer inspections. These inspections help identify opportunities for production increases and energy savings that will provide an immediate payback on your investment.

Westmill Inspection Benefits:

- Maximize Production
- Reduce Emissions
- Reduce Energy Usage
- Increase Uptime
- Improve Veneer Quality



LEARN MORE!



JET TUBES

CONVEYOR COMPONENTS

Westmill supplies replacement jet tubes for any style of veneer dryer: COE, Moore, Raute Wood, Durand-Raute, Babcock, Moore-Jacksonville, Moore-Canada, Omeco, Fezer, Proctor Schwartz, and more.

Our jet tubes are interchangeable with OEM jet tubes. We maintain high quality standards at an excellent price.

Custom Designs

At Westmill, jet tubes are more than just an 'off the shelf' item. Contact us to discuss what the best tube size, hole type, hole pattern and tube end is for your dryer. We have an endless range of custom capabilities.

Our standard jet tube is made from #16 gauge mild steel, but other thicknesses are available upon request.

We can offer beveled leading and trailing edges to eliminate the need to stock left-hand and right-hand jet tubes. We also offer beveled leading edge only, to help reduce the possibility of plug-ups in your dryer.

ROLL TUBES & ASSEMBLIES

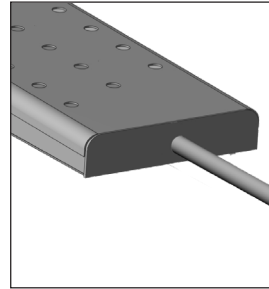
MAJOR COMPONENTS

DRYER DOORS

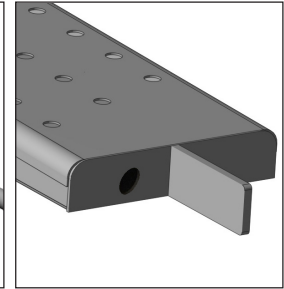
GENERAL COMPONENTS

WESTMILL EQUIPMENT

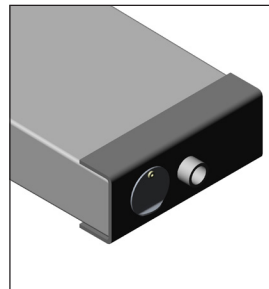
STANDARD & CUSTOM JET TUBE ENDS



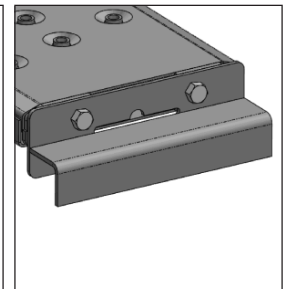
1/2" CR Round



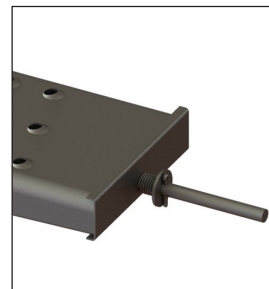
Flat Bar



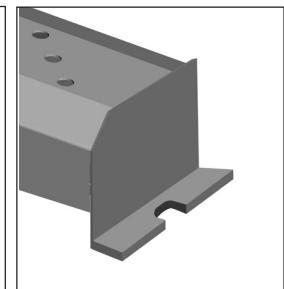
Eye Patch for air hose clean-out



Raute (Reversible) Tube End



Spring-held clean-out Tube End



Extended Flange

JET TUBE LOCKING WEDGE

& Eye Bolt Wedge Pin

Please contact our sales team for more information.



Jet Tube Locking Wedge WM-016



Eye Bolt Wedge Pin WM-226

HOLE TYPES



Flat Slot



Hi-Efficiency Hole



Fingernail Hole



Raute Wood



JET TUBES

| WESTMILL PART NO. | DESCRIPTION | OEM |
|-------------------|---|--------------------|
| J01-0068 | Jet Tube, M72, Top | Westmill, COE/USNR |
| J01-0069 | Jet Tube, M72, Standard/Bottom | Westmill, COE/USNR |
| J01-0108 | Jet Tube, M72, Top, Spring Clean Out | Westmill, COE/USNR |
| J01-0109 | Jet Tube, M72, Bottom, Spring Clean Out | Westmill, COE/USNR |
| J01-0055-01 | Jet Tube, WM, Standard, 1/2" Flat Mount Tab, Clean Out Hole, Hi-Eff Holes | Westmill |
| J01-0056-01 | Jet Tube, WM, Top, 1/2" Flat Mount Tab, Clean Out Hole, Hi-Eff Holes | Westmill |
| J01-0055-05 | Jet Tube, WM, Standard, 1/2" Flat Mount Tab, 2x Clean Out Holes, Hi-Eff Holes | Westmill |
| J01-0056-05 | Jet Tube, WM, Top, 1/2" Flat Mount Tab, 2x Clean Out Holes, Hi-Eff Holes | Westmill |
| J01-0102 | Jet Tube, M62, Bottom, Right, Non-Converted Hanger End, Extended Flange | COE |
| J01-0103 | Jet Tube, M62, Top, Right, Non-Converted Hanger End, Extended Flange | COE |
| J01-0104 | Jet Tube, M62, Bottom, Stepped End, Rod Nozzle, Hi-Eff Holes | COE |
| J01-0105 | Jet Tube, M62, Top, Stepped End, Rod Nozzle, Hi-Eff Holes | COE |
| J01-0127 | RAU-017 - Jet Tube, Reversible, Short Style, 190-3/8" Lg, Clean Out Hole | Raute |
| J01-0128 | RAU-016 - Jet Tube, Reversible, Long Style, 192" Lg, Clean Out Hole | Raute |
| J01-0038-LH | Jet Tube, Cooling Section, Spring Clean Out, LH | Moore |
| J01-0038-RH | Jet Tube, Cooling Section, Spring Clean Out, RH | Moore |
| J01-0092-01 | MOR-001 - Jet Tube, Non-Reversible, Type 1 (Pre 1970's) | Moore |
| J01-0092-02 | MOR-002 - Jet Tube, Non-Reversible, Type 2 (Pre 1970's) | Moore |
| J01-0037 | Jet Tube, 176-1/2" OAL | Cremona |

JET TUBE ACCESSORIES

| WESTMILL PART NO. | DESCRIPTION | WESTMILL PART NO. | DESCRIPTION |
|-------------------|---|-------------------|--|
| J01-3385-01 | Shaft Assembly, M72, Spring Clean Out, Jet Tube | J01-0079-02 | WM-227 - Eye Bolt, Wedge Pin, Jet Tube Cover, 3-3/16" OAL |
| J01-0100 | Formed Channel, M72, Spring Clean Out, Jet Tube | J01-0088 | WM-450 - Standard Cover, M72, Jet Tube Air Distribution Plate |
| J01-0101 | Shaft Attachment, M72, Spring Clean Out, Jet Tube (No Spring) | J01-3644-01 | End Plate, Removable, Cremona, Jet Tube |
| 905-571711 | WEST-120 - Spring, Compression, Standard, for Jet Tube Cleanout | D02-1034 | Locking Wedge, WM, Jet Tube, for 6-Deck Jet Dryer |
| 905-571094 | Compression Spring For Jet Tube - Std. Less 50% Compression | J01-0113 | Locking Wedge, WM, Jet Tube |
| J01-0129 | Mounting Bracket, Reversible Jet Tube, Raute | J01-0062 | WM-016 - Jet Tube Locking Wedge, 6" x 1/4" x 7/8" (3/8" Nose) |
| J01-0079-01 | WM-226 - Eye Bolt, Wedge Pin, Jet Tube Cover, 2-11/16" OAL | J01-0064 | WM-016C - Jet Tube Locking Wedge, Custom, 6" x 1/4" x 7/8" (1/4" Nose) |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

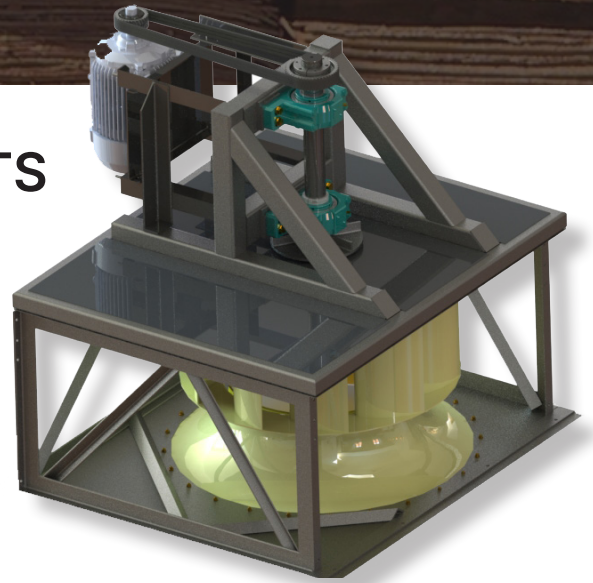
MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

M-72 PLUG FANS



M-72 REPLACEMENT FAN PARTS

| | WESTMILL PART NO. | PART DESCRIPTION |
|---|-----------------------|--|
|  | Fan-305 | 44" NYB Fan Class II 2-11/16" Bore |
| | Fan-405* | 44" NYB Fan Class III 3-7/16" Bore* |
|  | Fan-703 | 44" NYB Fan Inlet Cone |
|  | CED-007 & CED-008 | Dodge Fixed and Floating Bearings 2-11/16" Bore |
| | CED-014 & CED-015* | Dodge Fixed and Floating Bearings 3-7/16" Bore* |
|  | WM-247 | OEM M-72 Fan Shaft Seal |
|  | WM-248 | Cooling Wheel / Heat Slingers 2-11/16" Bore |
| | WM-257* | Cooling Wheel / Heat Slingers 3-7/16" Bore* |
|  | WM-249 | Fan Shaft Collars 2-11/16" Bore |
| | WM-449* | Fan Shaft Collars 3-7/16" Bore* |

WESTMILL™ HEAVY DUTY FAN UPGRADE Learn more about our replacement Hot-Air Circulation fans. **PAGE 64**

- PLUG FAN UPGRADE OPTIONS***
- Heavy duty Class III fan for increased air flow capability - includes 3-7/16" shaft bearing
 - Spring Packing Gland Seal System
 - Guard systems
 - Lubricant systems
 - Fan inlet screens
 - Inboard or Overhung motor mounts

MORE REPLACEMENT PARTS
Ask our sales team for details regarding:

- Shafts
- Motors

* Westmill Upgrade options | Please contact our sales team for custom sizes.

WESTMILL EXCLUSIVE HIGH-TEMPERATURE DODGE™ BEARINGS

Westmill uses custom designed, proprietary HI-TEMP DODGE™ Fan Shaft bearings on the dryer circulation fans. Dodge and Westmill worked together to develop these dryer fan-shaft bearings specifically for this application! Only available from Westmill.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

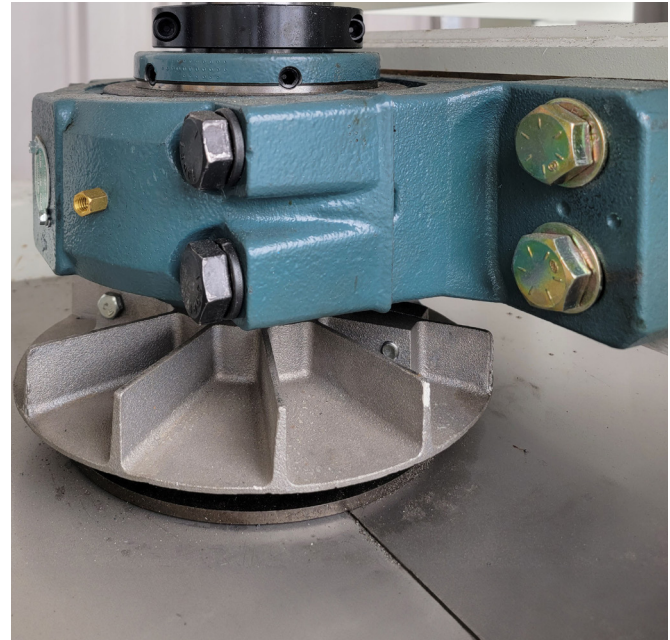
SPRING PACKING GLAND SEAL SYSTEM

To prevent dryer emissions from escaping via the circulation fan shafts, Westmill has developed an innovative Self Adjusting, Spring Tensioned Fan Shaft Seal System.

Without a proper fan shaft seal, excess heat and contamination from leaky fan-shaft packing glands cause the lower fan shaft bearings to fail at approx. 10:1 ratio vs the upper fan shaft bearing failures.

Westmill's new Spring Loaded Fan Shaft Seal System can permanently solve this.

Proven in over 250 fan installations, this shaft seal system utilizes a heavy SS Spring to apply constant pressure against high temperature graphite packing material to create a highly effective and long lasting fan shaft seal *that simply does not leak!*



CONVEYOR COMPONENTS

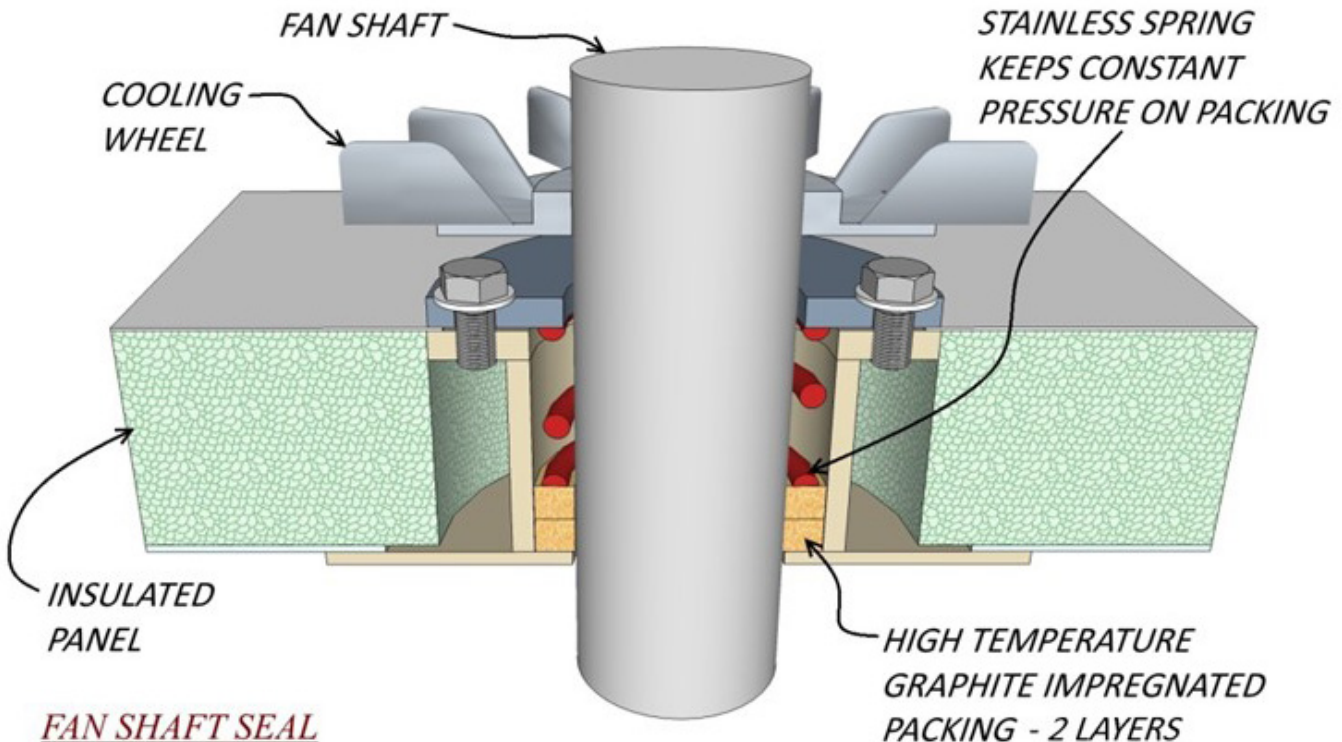
ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT



FAN HARDWARE

NEW YORK BLOWER FANS

New York Blower has been Westmill's long-time and trusted supplier of Hot Air Circulation Fan Wheels, Cooler Vaneaxial Fans and Backward Inclined Fans. As a New York Blower OEM, Westmill offers quick deliveries and great pricing for New York Blower fans and components

Plug Fan – Hot Air Circulation Fans on Jet Dryers

Plug fans are used in applications where the system plenum acts as the fan housing. The fan combines versatility with compact design to reduce overall system costs. This is achieved while maintaining operating efficiencies nearly equal to conventional housed fan equipment. NYB's high-efficiency AcoustaFoil airfoil blade will provide the highest volume airflow at the lowest required horsepower.

Inlet Cone

Aerodynamically designed, spun inlet cones are matched for optimum efficiency with wheel and housing components.

Shaft Cooler

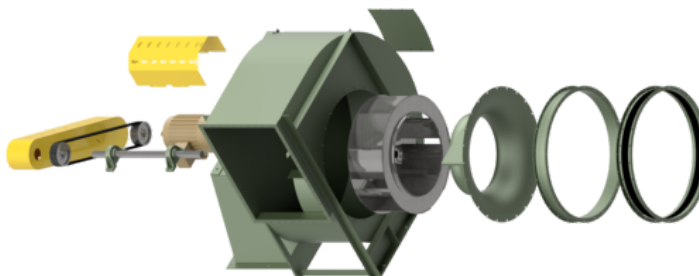
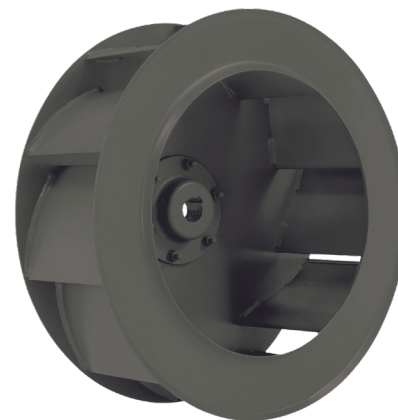
Also known as a heat slinger, a shaft cooler dissipates heat emitted from a hot airstream to protect a fan shaft, bearings, drive components, etc.

Vaneaxial Fans

Axial fans are used in process applications where space is at a premium. Air flows through fans parallel to the shaft moving outward in the same direction it flowed inward (axially). These inline fans are used for creating a high volume of airflow in lower pressure applications. For example: on a Veneer Dryer Cooler Intake and Exhaust Duct Fans.

Backward Inclined Fans

NYB centrifugal fans are sturdy, reliable, and capable of operating to various conditions. In dryer applications they are used for hot-air circulation (on longitudinal dryers), for exhaust air flow and combustion air flow for gas burners.



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

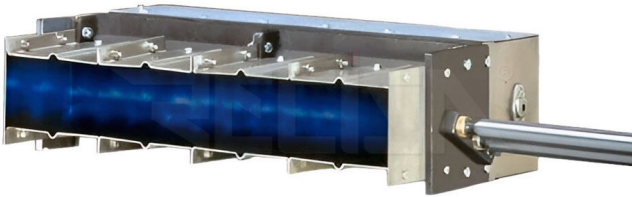
MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

MAXON CROSSFIRE® LINE BURNER



Westmill was the first company ever to install & use a MAXON APX style Burner in a veneer dryer application, and with great success. This was installed in 2005 at West Fraser – Edmonton's plant.

Maxon's APX Line Burners are the cost-effective solution for Standard NOx emissions – to replace burners on existing dryers. In low NOx dryer applications, we use Maxon's CROSSFIRE Line burner to meet the new stringent Low NOx emission requirements. We can also supply all replacement parts for your existing Maxon or Eclipse gas burners.

MAXON CROSSFIRE LINE BURNER

Maxon CROSSFIRE® Burners are nozzle-mixing, modular line burners designed for a variety of fresh and re-circulated industrial air process heating applications. The low NOx burner is available in straight, grid, and insert cartridge sections which are used to spread heat across your duct for very uniform temperature distributions.

The CROSSFIRE® Burner can be designed within a system to allow for up to 2,500,000 BTU/hr/ft (730 kW/ft) while producing extremely low emissions of both NOx and CO. You can combine CROSSFIRE® Low NOx Burners with SMARTFIRE® Intelligent Combustion Controls for optimal control of emissions and efficiency.

One of the most important elements of Maxon's Low NOx burner, is the MAXON SMARTLINK® MICRO-RATIO® VALVE (MRV).

The Maxon SMARTLINK® MRV is an industrial parallel positioning system for combustion applications providing a high degree of precision, repeatability, tamper resistance, and durability. In addition, SMARTLINK® MRV interfaces with all burner management and flame safety systems, simplifying retrofit applications. The system is simple to set up and does not require a personal computer in the field for commissioning.



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

STEAM COILS

ARMSTRONG HUNT STEAM COILS



To heat our dryers Westmill provides high-efficiency Single Pass steam coils manufactured specially for Westmill by Armstrong Hunt. AH are arguably the #1 coil manufacturer in the world and have provided Westmill's Veneer Dryer coils for decades.

These steam coils are designed specifically by Armstrong Hunt for veneer dryer applications with proprietary fin spacing and the tube spacing geometry proven to provide better plug-up resistance and allowing debris to pass through the coil bank.

With a 0.134" tube-wall thickness, an embedded 0.030" thick fin and with an 'anti-debris plug-up' design, we guarantee these coils will provide ***the best overall steam coil performance in a veneer drying application available today!***

Westmill stands 100% behind Armstrong Hunt's steam coils and products. And if Westmill is going to stand firmly behind them, failure is not an option!

Let Westmill supply all your dryer heating needs.

SAVE TIME AND MONEY

Please contact our sales team for more information regarding custom steam coils, steam traps, and replacement parts.



Inverted Bucket Armstrong Steam Trap - 300 Series



Float & Thermostatic Armstrong Steam Trap



UPGRADE YOUR DRYER TECHNOLOGY

Is outdated technology effecting overall production?

With a Westmill Dryer Technology Upgrade, bring your dryer back to "better-than-new" condition. All components necessary to upgrade your system are engineered and supplied by Westmill exclusively. By re-using components such as the conveyor, framework, and other parts, provide a significant savings versus a new build.

Benefits of a Technology Update:

- Increased Dryer Production
- Reduced Energy Usage
- Improved Veneer Quality
- Reduced Downtime
- Reduced In-plant Emissions
- Reduced Incidences of Dryer Fires
- Reduced Plug-ups



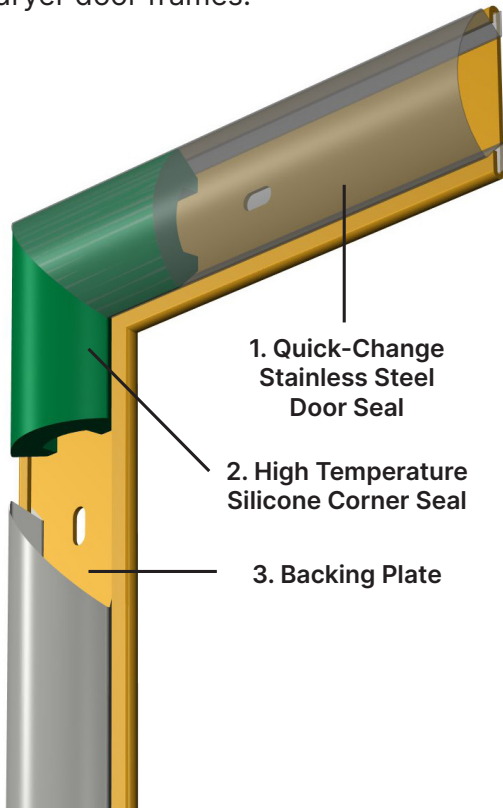
LEARN MORE TODAY! www.westmill.com



QUICK-CHANGE SYSTEM 1-2-3™



Westmill's **Quick-Change System 1-2-3™** Dryer Door Seal System is a cost effective solution to seal your dryer. **System 1-2-3™** incorporates a stainless steel "D" profile seal that quickly and easily attaches to a permanent backing plate that is affixed to your dryer door frames.



- 1. Quick-Change Stainless Steel Door Seal
- 2. High Temperature Silicone Corner Seal
- 3. Backing Plate

SYSTEM 1-2-3™: A SUPERIOR & COST EFFECTIVE SOLUTION

COST:

First-time installation: Same cost as tadpole seals
Future replacement: Half the cost of tadpole seals

INSTALLATION TIME:

Tadpole seal installation: Over 2 hours/Door
Quick-Change System 1-2-3 seal: Only 5 minutes/Door

Unlike typical tadpole seals, the stainless **Quick-Change System 1-2-3™** seal can withstand direct exposure to nuisance fires.

High-Temperature silicone corner seals provide a leak-free corner joint and a perfect fit of the stainless seals.

| WESTMILL PART NO. | NAME & LENGTH |
|-------------------------------|---------------------------------------|
| 1. STAINLESS DOOR SEAL | |
| WEST-335 | 72" Stainless Steel Door Seal |
| WEST-333 | 78" Stainless Steel Door Seal |
| WEST-332 | 96" Stainless Steel Door Seal |
| WEST-331 | 120" Stainless Steel Door Seal |
| WEST-327 | 144" Stainless Steel Door Seal |
| 2. CORNER SEAL | |
| WEST-326 | High-Temperature Silicone Corner Seal |
| 3. BACKING PLATE* | |
| WEST-334 | 72" Mild Steel Backing Plate |
| WEST-330 | 96" Mild Steel Backing Plate |
| WEST-329 | 120" Mild Steel Backing Plate |
| WEST-328 | 144" Mild Steel Backing Plate |

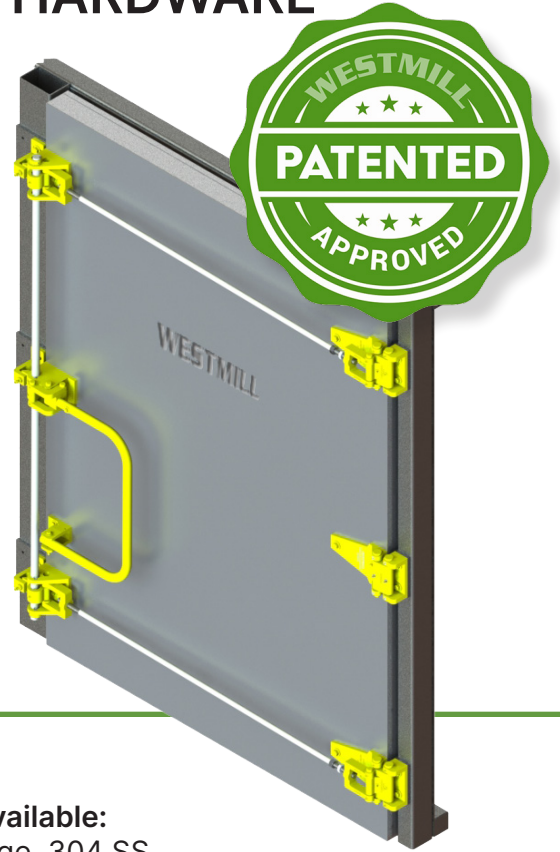
*Backing plates also available in stainless steel.

WESTMILL ARTICULATING DOOR HARDWARE PATENT NO. 6,447,807

Westmill's Patented Articulating Door Hardware is the most functional and easily adjustable door hardware available on the market, **with over 8,000 sets in operation today!**

Westmill's articulating hinges align the door to pull 'straight-away' from the door seal before swinging when opening. When closing, our articulating hardware provides a very positive door seal and closure (compared to standard OEM style hardware) while greatly increasing the door seal life.

We designed our door hardware to be compatible with the mounting hole patterns found on COE M-62 and M-72 veneer dryers. If your dryer's doors and seals are in good condition, simply adding Westmill's Door Hardware will provide your door positive closure preventing dryer leakage.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

DRYER DOORS

Westmill has been supplying dryer doors to the veneer industry for more than 45 years. Westmill doors are available in 'box' style and 'floating-skin' style. Our 'floating-skin' style doors are warp resistant and are easily installed onto your existing dryer. To reduce warping caused by thermal expansion, the skins 'float' independently of the door frame itself. The inside door skin has flat bar stiffeners that prevent 'oil canning'.

Westmill doors are available in all sizes for any dryer. Our doors can be designed to fit your existing OEM hardware and can be quickly changed out during a regular maintenance shift.

Options Available:

- 16-gauge, 304 SS
- Painted mild-steel
- Hole patterns to fit any OEM dryer
- Westmill's patented articulating door hardware
- Welded nuts to allow you to use a lifting eye to mount the doors

Standard Features:

- Strong structural steel interior framework
- Robust mountings for door hardware
- Easy installation

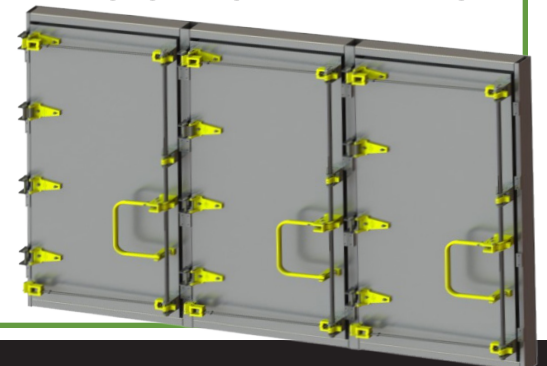
SAVE TIME QUICK-INSTALL DOOR CARTRIDGE

Give yourself the edge. Replace leaky dryer doors that are draining your company's profitability with Quick-Install Door Cartridge Systems from Westmill.

Seal-weld the door cartridge to your existing door frame. The result - solid airtight frame!

This airtight installation will:

- Prevent heat loss
- Reduce emissions
- Improve your mill's efficiency
- Lower your overall operational costs



DOOR HARDWARE

WESTMILL ARTICULATING DOOR HARDWARE

CONVEYOR COMPONENTS

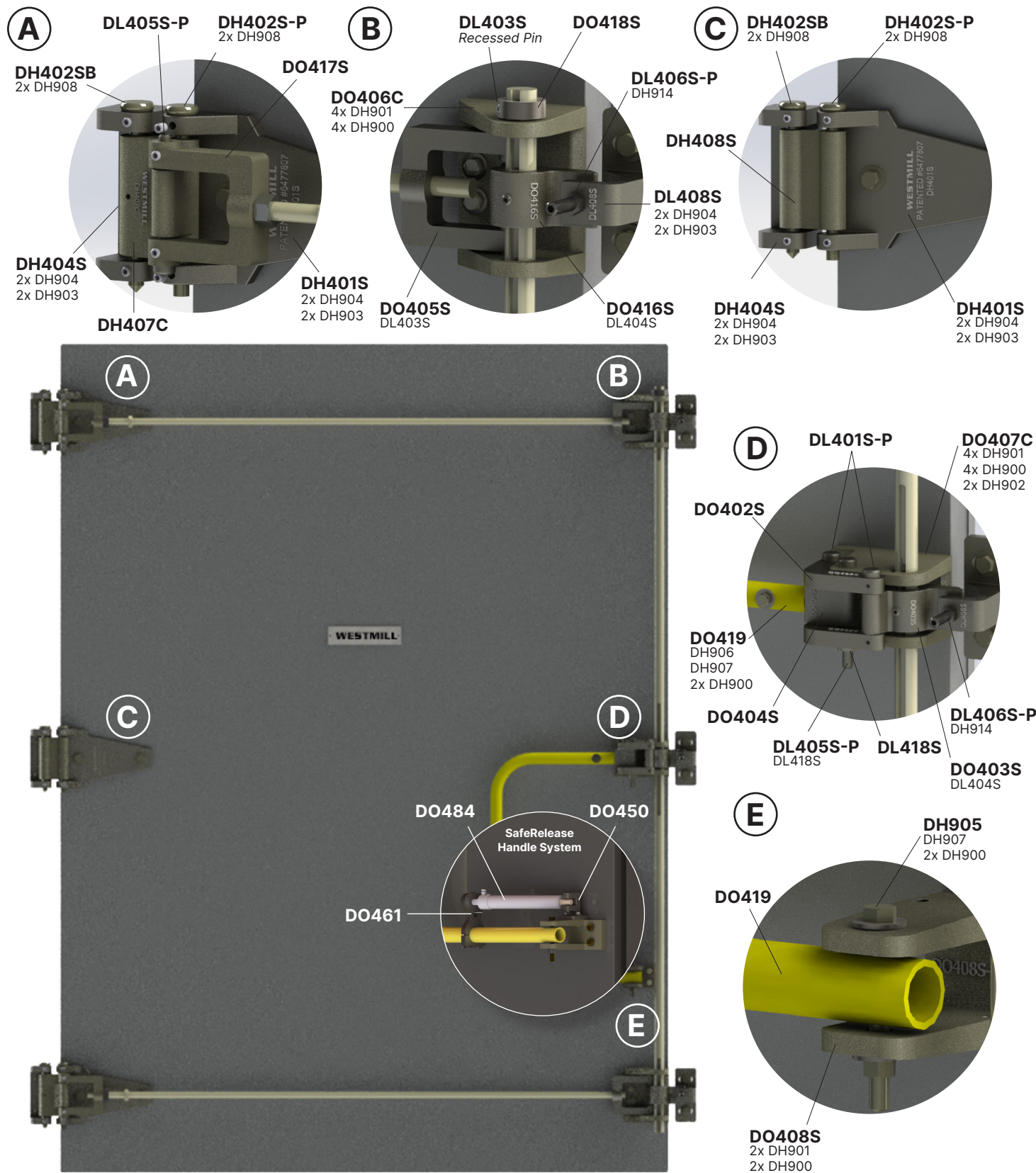
ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

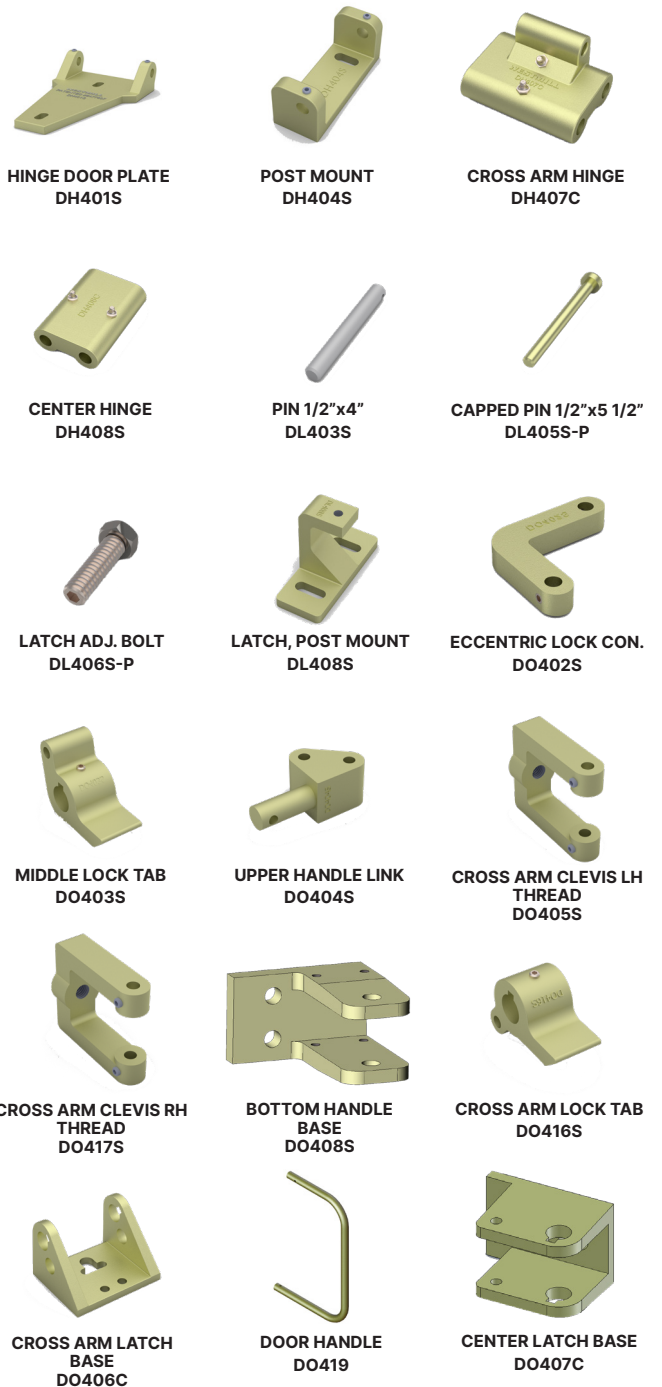
WESTMILL EQUIPMENT



As shown above, right hand door

WESTMILL DOOR HARDWARE

| WESTMILL PART NO. | QTY. | PART NAME |
|-------------------|------|--|
| DH401S | 3 | Hinge Door Plate |
| DH402S-P | 3 | Capped Pin, Flat-Bottom 5/8" X 7" |
| DH402SB | 3 | Capped Pin, Bullet Bottom 5/8" X 7" |
| DH404S | 3 | Post Mount, Single |
| DH407C | 2 | Cross Arm Hinge |
| DH408S | 1 | Center Hinge |
| DO448 | 2 | Cross Arm Rod Assembly |
| DL401S-P | 2 | Capped Pin 1/2" x 3 1/2" |
| DL403S | 2 | Straight Pin 1/2" x 4" |
| DL405S-P | 3 | Capped Pin 1/2" x 5" |
| DL406S-P | 3 | Latch Adjustment Bolt |
| DL408S | 3 | Latch, Post Mount |
| DO402S | 2 | Eccentric Lock Connector |
| DO403S | 1 | Middle Lock Tab |
| DO404S | 1 | Upper Handle Link |
| DO405S | 2 | Cross Arm Clevis LH Thread |
| DO417S | 2 | Cross Arm Clevis RH Thread |
| DO406C | 2 | Cross Arm Latch Base |
| DO407C | 1 | Center Latch Base |
| DO408S | 1 | Bottom Handle Base (SafeRelease™ Ready) |
| DO415 | 1 | Vertical Main Shaft |
| DO416S | 2 | Cross Arm Lock Tab |
| DO419 | 1 | Door Handle |



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

| DOOR ASSEMBLY | |
|--|----------|
| DOOR HARDWARE FULL BASE KIT | WM-DHW-1 |
| DOOR HANDLE LOAD-DAMPENER KIT | WM-DHW-A |
| FULL BASE & DOOR HANDLE LOAD-DAMPENER KIT | WM-DHW-D |

DOOR HARDWARE











SafeRelease™ HANDLE SYSTEM PATENT NO. 12,071,786

A recent innovation by Westmill is the development of our SafeRelease™ Handle System load-dampener. When a conventional dryer door is opened, there is a tremendous amount of force on the handle due to the spring-compression of the door seal material. As soon as the door handle opens beyond the self closing position, the force of the compressed door seal quickly loads force onto the handle.

By contrast, when a dryer door equipped with Westmill's SafeRelease™ Handle System load-dampener is opened, the force of the door handle is completely controlled and simply does not create a human strike hazard.



| | WESTMILL PART NO. | QTY. | PART DESCRIPTION |
|---|-------------------|------|--|
|  | DH950 | 2 | Washer, Lock, 1/4" Dia, 1/16" thick, 1/2" OD, Mechanical Zinc Finish |
|  | DH931 | 2 | Cap Screw, Socket Head, 1/4"-20 UNC x 1" Lg, Gr5 |
|  | DL486 | 2 | Pin, Clevis, 1/4" x 1-9/16" Usable Length |
|  | DL490 | 2 | Pin, Cotter, Cylinder, 1/16" x 1" Lg |
|  | DO484 | 1 | Rate Control Cylinder, Non-Adjustable Setting 6, 01 Fluid, SP26140 |
|  | DO408S | 1 | Bottom Handle Base, Door Hardware |
|  | DO461 | 1 | Cylinder Clamp, 1" ID Mount, w/Hardware, for Rate Controller |
|  | DO450 | 1 | Clevis, Mounting, for Door Rate Control Cylinder, Cast |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

OTHER OEM DOOR PARTS

COE DOOR

MOORE DOOR

PRENTICE DOOR

| | PART NO. | CROSS REF. NO. | NAME | | PART NO. | CROSS REF. NO. | NAME | | PART NO. | CROSS REF. NO. | NAME |
|--|----------|---------------------------|-----------------------------------|---|----------|----------------|---------------------------------------|---|----------|----------------|---------------------------------------|
|  | DH101 | CP009916 PC090679 | Single Hinge Butt |  | DH201 | Moore RD-32 | Double Hinge Butt |  | DH301 | Prentice C-16 | Double Hinge Butt |
|  | DH102 | CP007914A PC0312820A | Hinge Strap |  | DH202 | Moore RD-36 | Single Hinge Butt |  | DH302 | Prentice C-15 | Single Hinge Butt |
| Custom | DH205 | Moore RD-14B PC-080539 | Hinge Block |  | DH203 | Moore F-570 | Hinge Strap |  | DH303 | Prentice C-13 | Hinge Strap |
|  | DL101 | CP009812 PC030058 | Cam Roller Block |  | DH204 | RD-33 | Hinge Butt |  | DL301 | Prentice C-11 | Latch Shoe |
|  | DL102 | - | Latch Roller Pin |  | DL201 | Moore RD-34 | Latch Block |  | DL302 | Prentice C-12 | Latch Cam, left |
|  | DL103 | - | Latch Roller |  | DL202 | Moore RD-35 | Latch Handle, left |  | DL303 | Prentice C-12 | Latch Cam, right |
|  | DL104 | COE 9810 | Latch Shoulder Bolt |  | DL203 | Moore RD-35 | Latch Handle, right |  | DL304 | Prentice C-17 | Latch Handle Clip |
|  | DL105 | COE 9812 | Latch Roller Block Assembly |  | DL204 | Moore RD-31 | Latch Butt Plate, double |  | DL305 | - | Latch Block |
|  | DL106 | - | Shake-proof Washer |  | DL205 | Moore RD-29 | Latch Butt Plate, single |  | DL306 | - | Latch Bearing |
|  | DO101 | CP009915 PB014962-B | Cam Handle, left |  | DL206 | Moore RD-35 | Latch Hook |  | DO301 | - | Door Handle |
|  | DO102 | CP009914 PB014962-A | Cam Handle, right |  | DO201 | - | Hinge Pin 5/8" diameter x 6 1/2" long |  | DO302 | - | Hinge Pin 1/2" diameter x 6 1/4" long |
|  | DO103 | DL405S-P & DO103 | Hinge Pin 1/2" diameter x 4" long |  | DO202 | - | Hinge Pin 5/8" diameter x 5" long | | | | |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

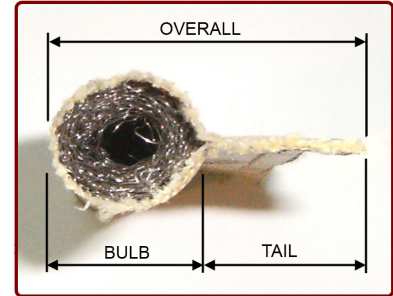
DOOR SEAL & DRYER THERMOMETER

TADPOLE-STYLE DOOR SEAL

Tadpole seals are recommended for old uneven doors and door frame surfaces.

- Stainless mesh core conforms to the irregular surfaces
- Suitable for all dryer temperatures and heat types
- Made from non-asbestos material
- Chemical resistant

Contact our sales team for more custom sizes & materials.



| | WESTMILL PART NO. | BULB DIAMETER | TAIL | JACKET |
|--|-------------------|---------------|-------------|--------------------------|
| | WEST-303B | 3/4" | 1" | Teflon Coated Fiberglass |
| | WEST-303B1 | 1" | 1-1/4" | Teflon Coated Fiberglass |
| | WM-303K | 3/4" | 1-1/8" | Teflon-Coated Kevlar |
| | WEST-400 | 7/8" | 5/8" x 2" | Teflon-Coated Kevlar |
| | WEST-732 | 7/8" | 11/16" x 2" | Silicone-Coated E-Glass |

ADJUSTABLE VIEWING ANGLE LONG-REACH BIMETAL THERMOMETER

View real time temperatures of the dryer zones with our long-reach bimetal thermometer.

- Easy to install:
 - No wires and hook ups
 - Simply install a 1/2NPT hole, insert probe and tighten
- Stem length of 12" (other lengths available)
- Stainless steel construction
- Adjustable head for viewing from all angles
- Large easy-to-read digits on the 5" Face
- Calibration adjustment
- Accurate to +/- 1%



Part number GAGE51201

SEAM TAPE & HIGH-TEMP ROPE

A wide variety of sizes and thicknesses PLUS an extensive selection of materials available.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT



DISCOVER WESTMILL™ EXCLUSIVE TECHNOLOGY



LEARN MORE TODAY!

www.westmill.com



PLUG-UP DETECTION & PARTS

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT



DRYER PLUG-UP DETECTION

Two of the most common causes for dryer downtime are veneer plug-ups and dryer fires. Westmill's Plug-Up Detection System helps to reduce the frequency and severity of both.

Westmill offers a Dryer Plug-Up Detection System that can be installed on any type of dryer. We offer a ground-wire style of system common to the veneer drying industry.

How it works:

When a plug-up occurs, the veneer lifts the top conveyor roll. When this roll contacts the trip-wire an electrical signal is sent to the control center and a visual signal is given to the dryer operator. The visual alarm can be sent to multiple stations: a control box with lights and/or an electronic HMI display screen (e.g. Allen-Bradley Panel View). The operator can then stop feeding the dryer, diagnose the problem and correct the situation.

Benefits:

By identifying dryer plug-ups before they become major problems, you can:

- Maximize your dryer running time
- Help prevent fires from starting
- Prevent costly damage to dryer rolls, jet tubes and the main dryer frame

WESTMILL™ PROGRAMMING AND CONTROLS

Learn more about our available programming and controls.

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PLUG-UP DETECTION PARTS

| | WESTMILL PART NO. | PART NAME |
|---|-------------------|---|
|  | PD-1015 | Wire 7 × 7, Stainless Steel |
|  | PD-1 | Insulator Bracket |
|  | PD-1004R | Red Lamp Lens |
|  | PD-1005 | Threaded Teflon Thru Panel Insulator |
|  | PD-1006 | Spring, Stainless Steel 7-5/8" Overall length |
|  | PD-1025 | Bolt - 3.5" |
|  | PD-1026 | Steel Nut |
|  | PD-1045 | Transformer |
|  | PD-1067 | Rectifier |
|  | PD-1090 | Split Bolt Wire Clamp |
|  | PD-1162 | Lamp Holder |

| | WESTMILL PART NO. | PART NAME |
|---|-------------------|--|
|  | PD-1007A | Wire Clip for Insulator |
|  | PD-1008 | Jam Nut for Threaded Insulator Rod, SS |
|  | PD-1012 | Galvanized Wire, 3/32" |
|  | PD-1022 | Stand Off Insulator |
|  | PD-1024 | Bolt - 2" |
|  | PD-1327 | Bulb |
|  | PD-1716 | Washer |
|  | PD-9632 | Porcelain Insulator with Wire |
|  | PD-0002 | Wire - 7 × 19 |
|  | PD-0059 | Wire Crimp |

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

Westmill can also supply all replacement parts for your existing Plug-Up Detection system, whether we supplied it initially or not.

MOISTURE DETECTOR PARTS

| | WEST. PART NO. | CROSS REF. NO. | PART NAME | | WEST. PART NO. | CROSS REF. NO. | PART NAME | |
|-------------------------|---|----------------|------------------------|---|--|----------------|-------------|---------------------------------|
| CONVEYOR COMPONENTS |  | WEST-12 | 280-1513-00 MT-1090 | Moisture Detector Brush All makes and models |  | CAR-004 | 261P04 | 1/4" NPT Nut w/ plastic ferrule |
| ROLL TUBES & ASSEMBLIES |  | SPE-001 | 675-0089-00 | Inker Valve with pigtail |  | COE-059 | PC-111 | Power Supply Card |
| |  | SPE-004 | B-736-S24 | Inker Valve Solenoid Coil |  | COE-060 | PC-121 | Control Circuit Card |
| |  | MT-1071 | - | Electrical Connector for Inker Valve |  | COE-061 | PC-122 | Ref. Amplifier Card |
| MAJOR COMPONENTS |  | MT-1078 | B60-S002 | Inker Valve Repair Kit (Plunger, Spring, O-Ring) |  | COE-062 | PC-135 | Auto Calibrate Detector Card |
| |  | MT-TOOL | - | Disassembly Tool for Inker Valve |  | WEST-194 | 598-0033-00 | Detector Spring |
| DRYER DOORS |  | WM-091 | Ward | Inker Valve Bracket |  | WM-165 | 625-0269-04 | 3-gal. Ink Pot w/t Fittings |
| |  | WM-038 | 599-0083-00 | Ward Moisture Brush Guard | No Image | WM-206 | 675-0094-00 | Moisture Brush Holder |
| |  | WARD-001 | Ward 200C | Acrylic Insulator for Ward #220C |  | WM-001 | CY-74 | Ink Filter Housing |
| GENERAL COMPONENTS |  | WEST-05 | 268-P | Standard Tube Fitting 1/4" tube x 1/8" NPT |  | FIL-002 | CY-75 | Ink Filter Element |
| |  | CAR-002 | 261-P | Quick Connect 3/8" tube x 1/4" NPT w/ pilot check valve |  | ELL-003 | CY-55 | Poly Brush Holder |
| |  | CAR-003 | 261-P | Quick Connect 1/4" tube x 1/8" NPT w/ pilot check valve |  | ELL-004 | CY-56 | Aluminium Brush Holder |
| WESTMILL EQUIPMENT | | | | | | | | |

MARKING INK FOR VENEER & LUMBER

Westmill supplies plywood, LVL and veneer mills with permanent or disappearing marking inks for use in dry-end brush-style veneer moisture detectors. Our inks are compatible with Ventek, Ward, Elliot Bay, COE, Raute Wood, Durand-Raute and other ink spraying moisture detectors. Our inks are specially formulated with cleaning surfactants to reduce clogging and freezing of spray valves, while continuously keeping the lines free of debris and contaminants.

Permanent Marking Ink

Sold by the case of four 1-gallon (U.S) jugs. 5-gallon (U.S.) pails and 55-gallon (U.S.) drums available upon request.

| WESTMILL PART NO. | COLOURS | WESTMILL PART NO. | COLOURS |
|-------------------|---------|-------------------|---------|
| ACI-007 | Black | ACI-011 | Green |
| ACI-008 | Blue | ACI-012 | Red |
| ACI-009 | Yellow | ACI-013 | Purple |
| ACI-010 | Orange | ACI-017 | Brown |

Disappearing Marking Ink

Westmill disappearing ink goes on full-strength but vanishes in just minutes. Perfect for high-quality veneers that you don't want to degrade simply due to ink spray.

5-Gallon Pail

| WESTMILL PART NO. | COLOURS |
|-------------------|---------|
| ACI-001 | Red |
| ACI-004 | Blue |

55-Gallon Drum

| WESTMILL PART NO. | COLOURS |
|-------------------|---------|
| ACI-002 | Red |
| ACI-003 | Blue |



“TOUGHY” DRYER CLEANER

“Toughy” Dryer Cleaner quickly loosens and dissolves the toughest pitch, grease and carbon build-up on veneer dryers.

- Industrial strength
- Easy to use
- Will not burn when applied to hot surface
- Fast acting
- Concentrated cleaning power
- Caustic based

CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

EXPANSION ROLLER ASSEMBLIES

EXPANSION ROLLER ASSEMBLIES

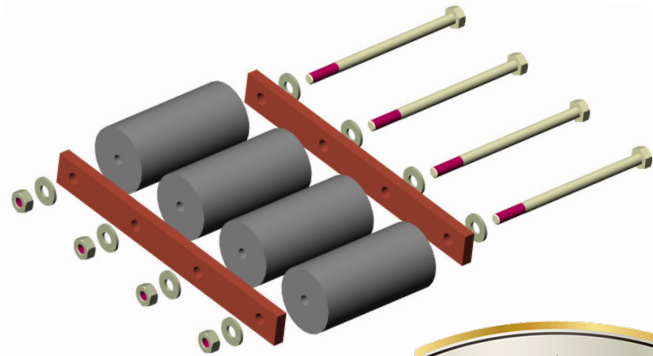
Westmill's OEM style expansion roller assemblies will keep your dryer straight and in-line. Easily and quickly retrofitted to any dryer, they are self-guiding and require no maintenance.

Our expansion roller assemblies are designed to be as compact as possible. If your current roller assemblies are taller, simply shim the new Westmill expansion rollers to suit. Field mounting is easy - simply anchor to existing concrete using our optional pre-drilled mounting holes, or weld to existing steel foundation plates.

Our expansion rollers are designed to be directly interchangeable with OEM parts.

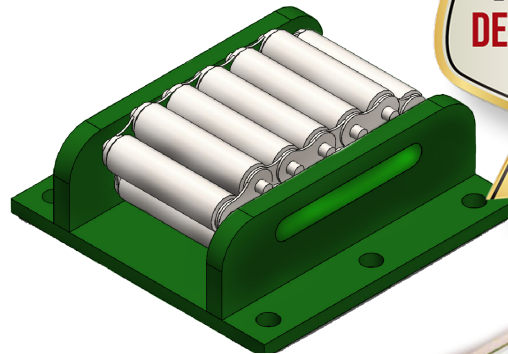
General specifications:

- Overall height: 2 3/4"
- Top and bottom plates: 5/8"-thick steel plates
- Base plate dimensions: 8 " wide by 14 " long (along roller axis)
- Roller diameter: 1 1/2" steel



HIGH CAPACITY STEEL CIRCULATING EXPANSION ROLLER

Westmill's design exclusive Expansion Rollers have captured HD rollers that cannot escape from their housing. These rollers can withstand high static loading over a longer period of time. Made of high-strength steel and built to move, these rollers are ideal even for the heaviest veneer dryer application.



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GLOBE SAW PARTS

NEW COMPLETE BLOCK CHAIN & V-BLOCK CHAIN ASSEMBLIES & REBUILDS



CHAIN PARTS & ASSEMBLIES



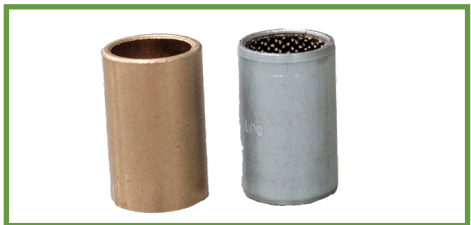
SIDE BARS & ASSEMBLIES



PINS



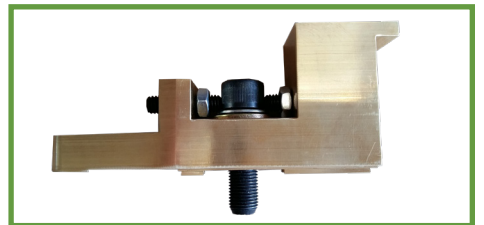
LINKS



BUSHINGS

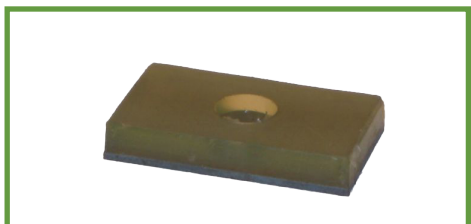


ADAPTER LINKS

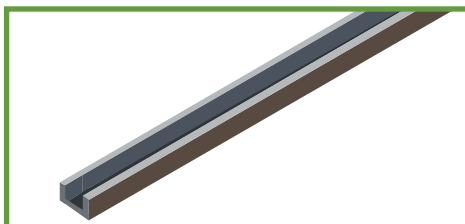


LUGS

MISC. SAW PARTS



FRICTION PADS



CHAIN GUIDES



SPROCKETS



HOLD DOWN WHEELS



SUCTION CUPS





WESTMILLTM EQUIPMENT



Westmill Industries provides all major Dryer components and equipment for feeding, & unloading veneer.

Westmill supplies state-of-the-art Veneer Dryers as well as Infeed and Outfeed Equipment. Serving the North American and International plywood industries, Westmill equipment is designed to improve plant efficiency and production.

Why Choose Westmill?

1. Westmill is the Subject Matter Expert in veneer drying

A family held company since 1975, we successfully compete with multinational corporations. Rather than trying to be experts in other areas of the process, Westmill focuses solely on veneer dryers. Our dedicated focus, combined with an innovative culture has led to a series of incremental dryer improvements. These innovations - conceived, engineered, pioneered, and proven by Westmill are now incorporated into competitors' equipment.

2. Westmill's 'Got your Back' Attitude

Ask the Plant Manager, Project Engineer to the Maintenance Manager why they prefer to deal with Westmill and, overwhelmingly, they will tell you that it is because Westmill has 'Got your Back'. We not only stand behind the equipment we sell, but also squarely behind the customer before, during, and well after the warranty has expired. Westmill provides a level of support that only an independently owned company can.



INFEED EQUIPMENT

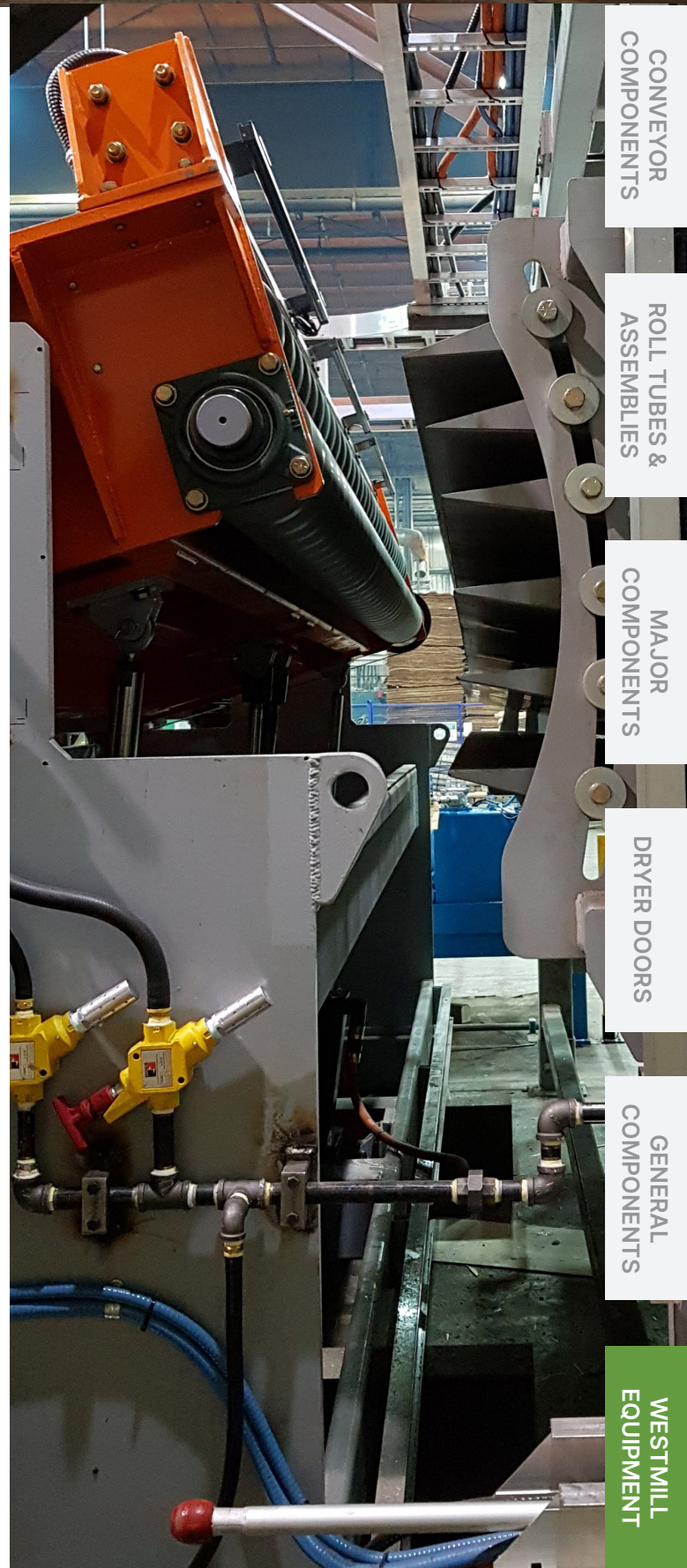
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JET DRYER

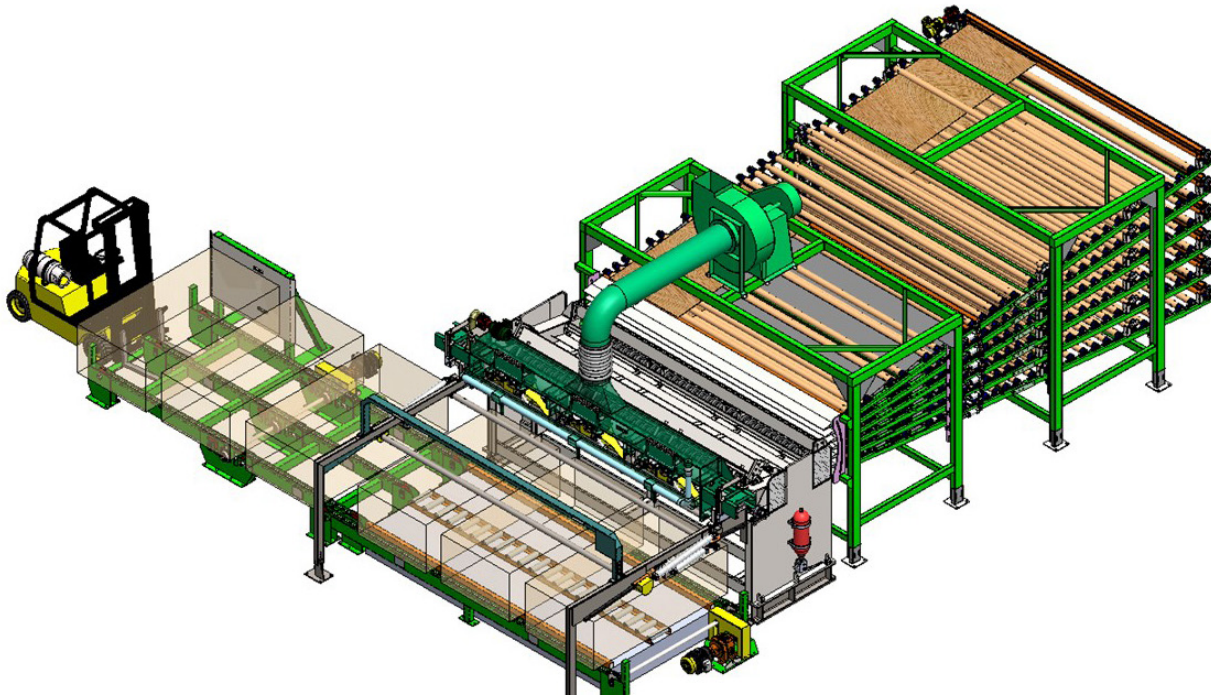
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WESTMILL INFEED SYSTEM



Westmill offers a complete state-of-the-art dryer Infeed System.

Built using proven components together with technology enhancements that reflect Westmill's constant drive for innovation and performance improvements. Westmill's veneer dryer feeder system can consistently feed over 66 sheets per minute (as compared to 60 sheets per minute by others).

Infeed Components:

- Infeed Storage Chain Conveyor
- 3-Load Heavy Duty Series Scissor Lift
- Pneumatic Load Accumulator
- Power Feed Roll Vacuum Feeder
- Electric Linear Actuated Feeder Tipple
- Veneer Infeed Rollcase
- Hydraulic Power Unit
- Pneumatic Over Wrappers



INFEEED CHAIN CONVEYOR

The Westmill Infeed Chain Conveyor senses individual veneer load position as they are placed by the forklift, and automatically indexes each load to match the vacuum feeder head spacing. This helps reduce plug ups while feeding the dryer and helps prevent sheet overlap along 8' edges and corners. Our typical Dryer Infeed Chain Conveyor allows the customer to feed 3 stacks and to store 3 stacks in waiting, ready to load when required, rather than crowding 3 loads tightly together, and breaking valuable veneer.



DISCOVER MORE



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT



SCISSOR LIFT (HOIST)

The Westmill Dryer Infeed Heavy-Duty (HD) Scissor Lift is rugged and dependable and allows you to support up to 26,000 lbs. of veneer - sufficient capacity for (3) loads of the heaviest green veneer of any species.



DISCOVER MORE

ACCUMULATOR

Westmill's Dryer Infeed Load Accumulator allows for uninterrupted feeding of the dryer during the replacement of the infeed loads. A load replacement can take 45 to 120 seconds depending on the load quality and the efficiency of the operator. With an accumulator, the veneer production through your dryer remains constant with no gaps in production.

Ask for a copy of our Accumulator pay-back calculator.



DISCOVER MORE

WESTMILL INFEEED SYSTEM

VACUUM FEEDER

The Westmill Powered Roll Vacuum Feeder is robust and designed to maintain the highest possible feeding rates. The vacuum is used to pick up the top sheet from veneer loads, then, sheets are automatically advanced forward to the tippel stop gate.



DISCOVER MORE



INFEEED ROLLCASE WITH INDEPENDENT DECK DRIVES

Westmill's Infeed Rollcase includes a heavy-duty channel framework and side rails. A separate drive for each deck is included to speed-match the dryer, and to provide much smoother and more consistent dryer feed and overlap timing versus conventional cross-over drive roll arrangement powered from the dryer's main drive chain. A separate drive system also allows you to keep the dryer conveyor operating even when there is an infeed stoppage. If a brief infeed stoppage does occur, Westmill's Infeed Control system automatically activates a "Stop-Gap" function to reduce/eliminate the gap between the last sheet fed into the dryer (pre-stoppage) and the next sheet being fed. This "catch-up" feature is unique in Westmill's infeed control.

HYDRAULIC POWER UNIT

Westmill's standard Hydraulic Power Unit is well-sized to power your Scissor Lift & Tippel.

Features Include:

- Vickers or Bosch proportional valve
- Oil immersion heater
- 3/4 HP Cooler Fans
- Tank heaters available

DISCOVER MORE



ELECTRICALLY ACTUATED INFEEED FEEDER/TIPPLE

Westmill has developed a new Electrical Infeed Tipple that has eliminated hydraulic cylinders and HPU in favor of an electric linear actuator.

Using an accumulator to counterweight the tipple feeder head (from 4,000 lbs to only 60 lbs) allows accurate positioning while operating at the industry's highest feed rates.

Westmill has kept many of the same components as found on our original proven Hydraulic Tipple, including the quickly interchangeable pinch wheel head assemblies with solid feeder wheels.

The innovations built into the new Westmill tipple produce the following benefits:

- **Greatly reduced energy consumption** - Counter weight accumulator reduces the required power of the electric actuator vs. hydraulic.
- **Increased sheet feed rate** - Counterweight allows quicker reaction, start-stop times of the linear actuator – can continuously maintain 23+ feeds per minute.
- **Reduced wood breakage** - Adjustable back roll limits bending of the veneer sheet.
- **Increased accuracy** - The tipple head is held in perfect horizontal alignment by a torque-arm and controlled by a servomotor providing absolute positioning accuracy.

DISCOVER MORE



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

WESTMILL JET VENEER DRYER



Since 1975, Veneer dryers have been the center of Westmill's focus.

Within the plywood industry Westmill is often referred to as "The Dryer Guys". Westmill's jet veneer dryer will provide you with years of reliable and quality production. With an industry-best warranty, parts supply, maintenance consultations and troubleshooting, Westmill will stand shoulder to shoulder with you. Both during the project, and for years after.

The components listed in this section highlight the key features of our new veneer dryers. Most of these same components can be retrofitted on existing dryers as part of a Westmill Technology Upgrade.

Dryer Components:

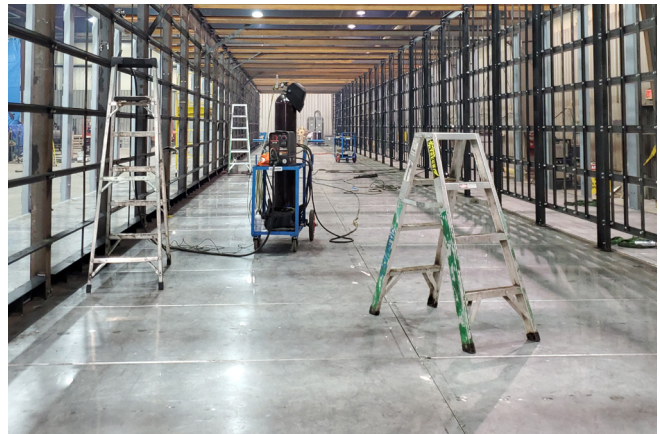
- Dryer Floor & Expansion Rollers
- Upper Housing (Hotbox)
- Roll Assemblies & Jet Tubes
- Door & Door Hardware
- Dryer Heating Equipment
- Hot Air Circulating System
- Chain Tensioner & Drive Tower
- Water Misting System
- Quick-Change Roll-Baffle System
- Cooling Section
- Dryer Humidity Control (WestVac & 2PEX)
- Programming & Controls
- Bearing Vibration Monitoring



DRYER FLOOR

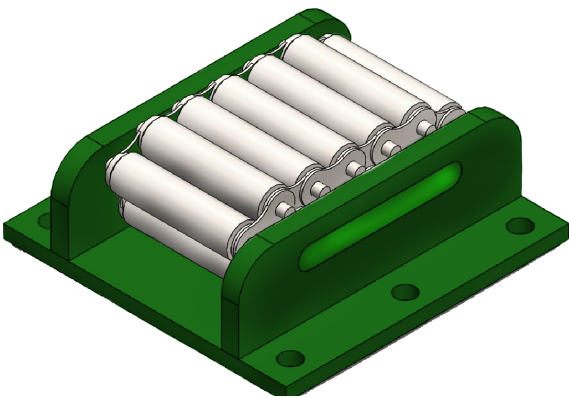
Westmill dryer floors are manufactured with stainless steel (2-sided) insulated panels for maximum longevity. Anchored in the center, dryers are designed to expand and contract from the center point, lengthwise towards each other.

Westmill pioneered this technology, and was the first company ever to install an insulated stainless steel floor under an existing veneer dryer. Today, Westmill has installed more insulated floors under new and rebuilt dryers than any other company.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES



HIGH CAPACITY STEEL CIRCULATING EXPANSION ROLLER

Westmill's exclusive design of Expansion Rollers have captured HD rollers that cannot escape from their housing. These rollers can withstand high static loading over a longer period of time. Made of high-strength steel and built to move, these rollers are ideal even for the heaviest veneer dryer application.

MAJOR COMPONENTS

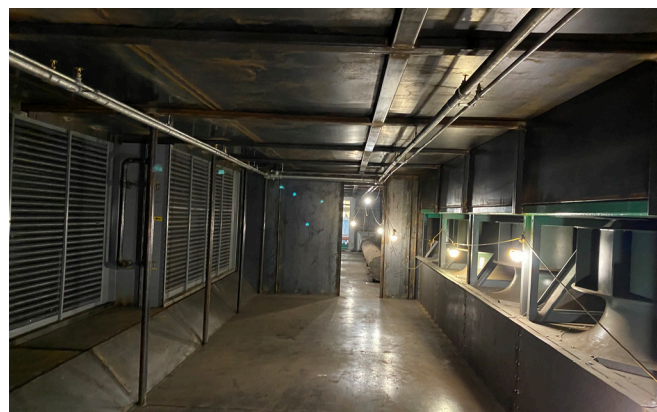
DRYER DOORS

UPPER HOUSING (HOTBOX)

Westmill's "Minimal Heat Transfer" insulated upper housing system is designed to reduce energy costs by virtually eliminating metal-to-metal contact between the inner and outer walls of the dryer's roof and siding. The inner mild steel formed panel system is entirely seal welded to the upper housing framework, then field insulated with 6" of mineral wool before the outer stainless steel cladding is installed.

Compared to conventional flat dryer roofs and side walls, Westmill's Channel Vented roof design allows the dryer housing to "breathe", preventing any condensation from being trapped in the upper housing. This extends the life of the dryer housing by greatly reducing upper-housing corrosion and housing. Allowing the roof to

expand and contract effortlessly as the dryer heats and cools. In addition, because the inner cladding is seal-welded, this roof will not leak like a panelized roof system will.



GENERAL COMPONENTS

WESTMILL EQUIPMENT

WESTMILL JET VENEER DRYER

CONVEYOR
COMPONENTS

ROLL ASSEMBLIES

Westmill's Dura-Cast™ Dryer Roll Conveyor System utilizes standard, "off-the-shelf" components available from Westmill. This heavy-duty roll conveyor system includes many components:

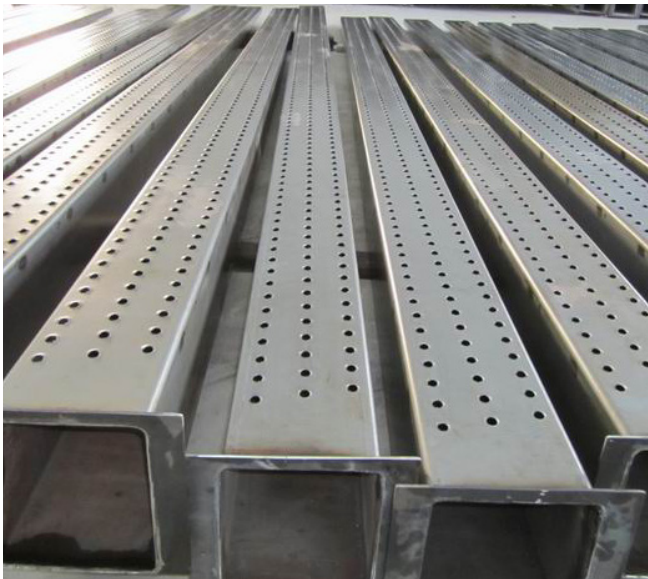
- Westmill Graphite Bushings
- Bearing Hangers
- 'Hook-tooth' Sprockets
- Star Gears



**Westmill are the only dryer manufacturer to check and straighten every dryer roll tube to within 0.125" run-out, before it leaves our facility.*

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS



JET TUBES

Westmill jet tubes are manufactured using 16-gauge sheet metal (while others typically use 18-19 GA). We have also incorporated a heavy 12 GA. flange around the high-pressure opening of the tube to prevent the usual bending and damage caused during handling and thereby maximizing airflow into the jet tube opening. Our jet tubes feature high-velocity orifices for maximum air flow and heat transfer to the veneer.

Westmill also provides adjustable air balancing cover plates to balance the air flow to the individual dryer decks. This allows customers to fine-tune the air flow to each deck, increasing production and reducing over-dry and re-dry rates.

DRYER DOORS

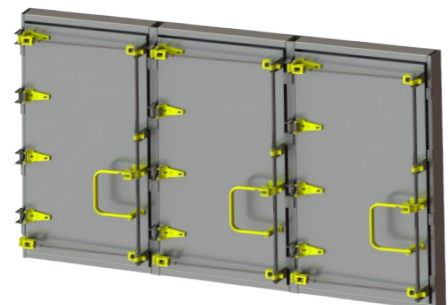
GENERAL
COMPONENTS

DOOR CARTRIDGES

The Westmill Pre-assembled Door Cartridge System provides for a quick and easy installation by simply seal welding our heavy wall tubing to the dryer frame and floor.

Westmill provides doors that have 16-gauge 304 stainless steel door skins on both sides. The insulation is 8 lb. mineral wool board insulation and the door is 4" thick; we overlap two separate 2" sheets of insulation so that heat transfer between the seams is eliminated.

Westmill's Patented Dura-Latch™ Articulating Door Hardware provides finite adjustability in all four corners of the door. This door hardware is the most functional and easily adjustable door hardware available on the market today. Our Quick-change 1-2-3 Seal System keeps your dryer well-sealed and allows you to change your door seals in minutes – not hours.



WESTMILL
EQUIPMENT

ARMSTRONG-HUNT STEAM COILS

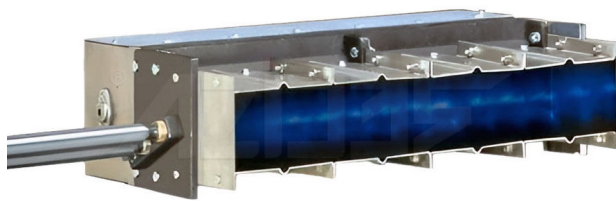
Heating the dryer, Westmill includes hi-efficiency Single Pass steam coils manufactured specially for Westmill by Armstrong-Hunt.

Designed specifically for veneer dryer applications, both the fin and the tube spacing are designed to provide better plug-up resistance than others by allowing debris to pass through the coil bank.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES



MAXON CROSSFIRE LOW NOX BURNERS

Maxon Crossfire Burners are nozzle-mixing, modular line burners designed for a variety of fresh and re-circulated industrial air process heating applications. The low NOx burner is available in straight, grid, and insert cartridge sections which are used to spread heat across your duct for very uniform temperature distributions.

One of the most important elements of Maxon's Low NOx burner, is the Maxon Smartlink Micro-Ratio Valve (MRV). Maximized performance while minimizing emissions by allowing independent control of both gas and air at all firing rates.



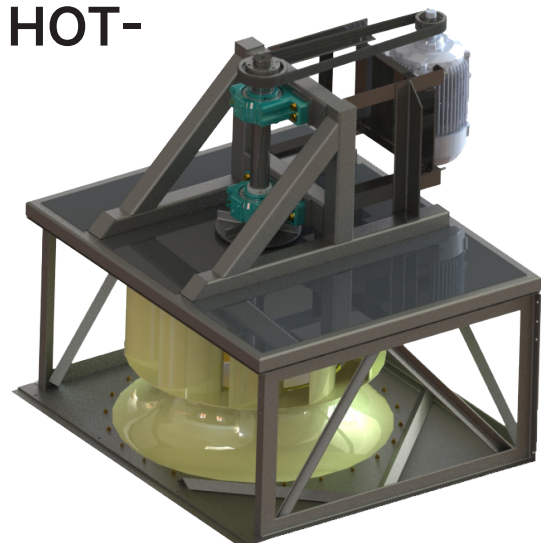
MAJOR COMPONENTS

DRYER DOORS

WESTMILL HD REPLACEMENT HOT-AIR CIRCULATION FAN

Westmill fan modules are designed for a quick and easy installation. To reduce installation time, each fan module comes pre-assembled complete with the fan, cone, bearings, sheaves, and spring packing gland. The heavy wall 4" tube-frame is extremely heavily built. Noise and vibration are virtually eliminated with this heavy, welded framework.

Customers have the option of mounting the motors either outboard over the dryer's edge, or inboard over the upper side-wall housing 'step'.



GENERAL COMPONENTS

WESTMILL EQUIPMENT

WESTMILL JET VENEER DRYER

CONVEYOR
COMPONENTS

CHAIN TENSIONER

Westmill's Veneer Pneumatic Chain Tensioner keeps the dryer chain tight and prevents binding. Constant tensioning, along with automatic detection of chain break and jam-up, make our Chain Tensioner a smart solution. Features include:

- Individual slide mounted, Royal Pneumatic Cylinder actuated, chain take-up roller shuttles
- Bearing mounted, 81-X idler sprockets with re-greaseable pins
- Limit switches for "Auto dryer shut-down" if the dryer chain breaks or jams
- Filter, Regulator, Pressure Gauge, Pneumatic Lock Out



ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS



DRIVE TOWER

Maximize veneer recovery and reduce maintenance and downtime with our Dryer Drive Tower. Featuring an independent motor and Variable Frequency Drive for each deck, allowing operators to stop one deck while allowing all other dryer decks to clear before removing the plug-up.

- Provides individual deck speed control
- Plug-up veneer recovery
- Replace old oil-filled gear boxes or chain drive
- Eliminate costly shaft, gear and bearing replacement
- Eliminate downtime and maintenance of oil-filled gear boxes
- Cost effective
- Bolts to existing imbeds

DRYER DOORS

GENERAL
COMPONENTS

FLOOR WATER MISTING

A highly effective method has been developed for minimizing dryer fires caused by fuel build up on the dryer floor. The system provides a metered water spray within the dryer to increase the interior dryer humidity level and raise the 'flash point' significantly. The result is a significant reduction of dryer fires normally caused by wood fines in 'tinder-dry' dryer conditions.

Our system provides full floor misting coverage along both sides of the entire dryer's length



WESTMILL
EQUIPMENT

QUICK-CHANGE DRYER ROLL BAFFLE SYSTEM **PATENTED**

Properly fitted Stop-off Roll Baffles seal the ends of the dryer. However, Dryer Roll Baffles (Stop-Off Walls) are one of the most overlooked areas for dryer maintenance or attention.

When baffles wear and gaps are created between the roll and the baffle face, gases are free to move in/out of the dryer depending on its operation. This has a substantial effect on production, energy usage, pitch build-up, fires, and poor veneer quality.

- **CASE STUDY:** On each 15' dryer roll, a 3/8" gap between the Roll Baffle and the roll itself equals 67.5 sq. inches of total opening
- On a 6 deck dryer, the total "opening" in the end of a dryer is 5.63 sq ft

To help prevent these problems, Westmill has designed and successfully installed the Quick-Change Dryer Roll Baffle System for Westmill Jet Dryers.



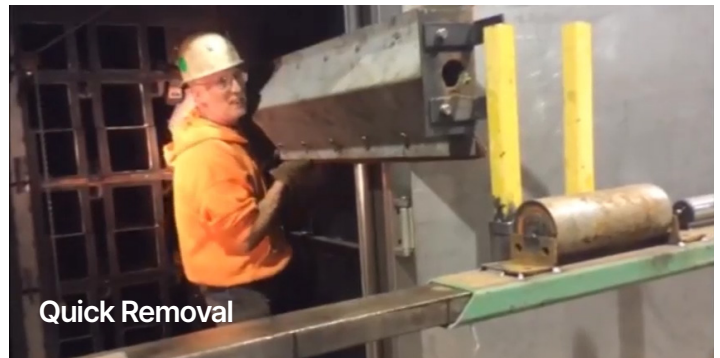
Quick Install

In comparison to changing existing roll baffles, removing, and replacing an entire roll-baffle set now takes under 1-hour vs. ~16-20 man-hours of very labor-intensive work.

A unique feature of this innovation is that you are not required to remove the existing rolls, chain, sprockets, star gears or jet tubes to replace the Roll Baffles - they all stay in place.

The main benefits of properly sealing the end walls of your dryer are:

- Control of emissions from the end of the dryer
- Reduced dryer exhaust emission volumes
- Reduced pitch build-up
- Conserve energy
- Reduced incidence of fires
- Improved veneer quality by increasing humidity levels inside the dryer



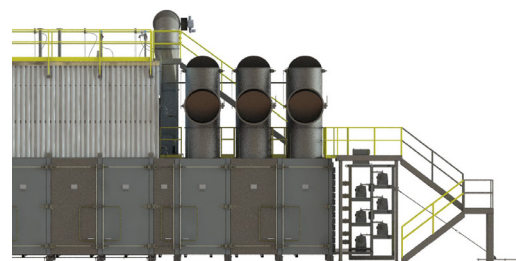
Quick Removal

WESTMILL DRYER COOLING SECTION

The cooling sections of WESTMILL dryers are configured with BOTH intake and exhaust vane axial fans. We suggest incorporating VFD's on these fans to enable greater control of cooling requirements while providing decreased energy consumption during cooler months, and increased cooling during the hottest months.

Westmill has configured the first cooler intake stack to allow plant air to be used for cooling during extremely hot summer months.

The jet tubes used in the cooler zones are the same as in the dryer hot sections. These have been proven to more effectively deliver the cooling air to the veneer to effectively reduce the veneer's temperature before leaving the dryer.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT

WESTMILL JET VENEER DRYER

DRYER HUMIDITY & EMISSION CONTROL SYSTEMS

A Westmill dryer comes with the most advanced, effective and proven Dryer Humidity and Emission Control system (Patented) available in the market today.

Westmill's two Dryer Humidity and Emission Control systems operate together to control humidity along the entire dryer's length while eliminating fugitive emissions from leaking out from the Green and Dry-ends of the dryer.

The two systems are called:

1. **WestVac™ - Dryer Emission Control & Seal System**
2. **2-PEx™ - Two Point Exhaust, Dryer Humidity Control & Exhaust Management System**

WestVac™ DRYER EMISSION & SEAL SYSTEM **PATENTED**

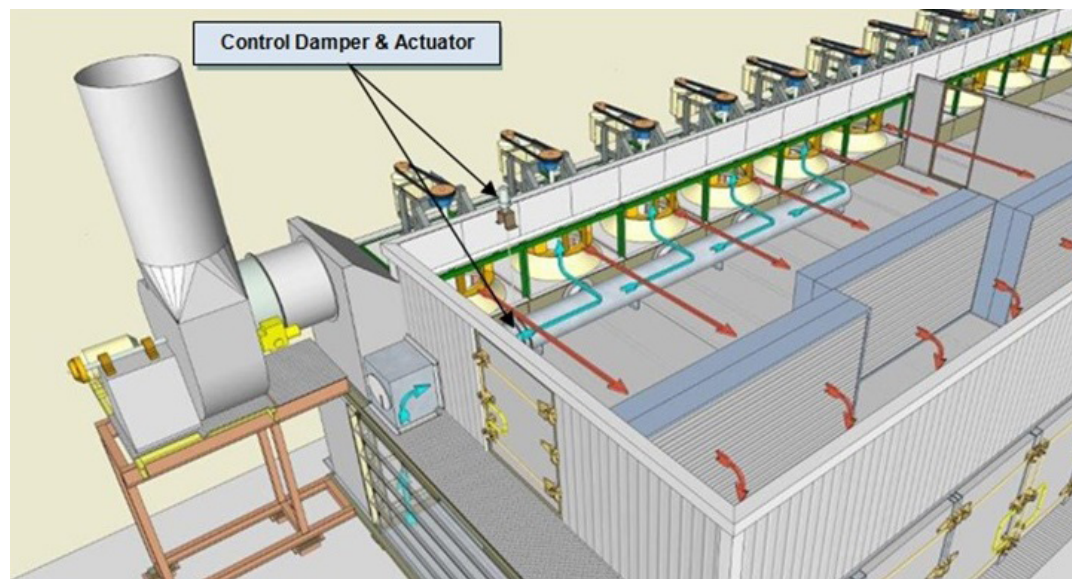
Westmill's Patented WestVac™ Dryer Emission Control & Seal System seals the dryer's end walls to limit any dryer emissions from leaking out of the green-end and dry-end of the dryer while maintaining the optimum humidity level inside the dryer.

An effective method of controlling end-wall dryer emissions while increasing production, saving energy, improving veneer quality, and reducing the risk of dryer fires. We currently have this system working on over 20 veneer dryers across North and South America, with more under contract.

All of this is accomplished via the system's Re-Intro-Duct which draws any escaped heat-energy, VOCs and humid dryer gases back into the drying chamber by way of low-pressure vacuum created by the main circulation fans. The amount of vacuum in the system is adjustable and can be automatically or manually operated.

WestVac™ System Benefits Include:

- Increased dryer production
- Greatly improved veneer quality
- Reduced energy consumption
- Reduced risk of fire
- Reduced in-plant emissions
- Increased dryer humidity ratio



CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

2PEX™ DRYER HUMIDITY CONTROL & EXHAUST SYSTEM

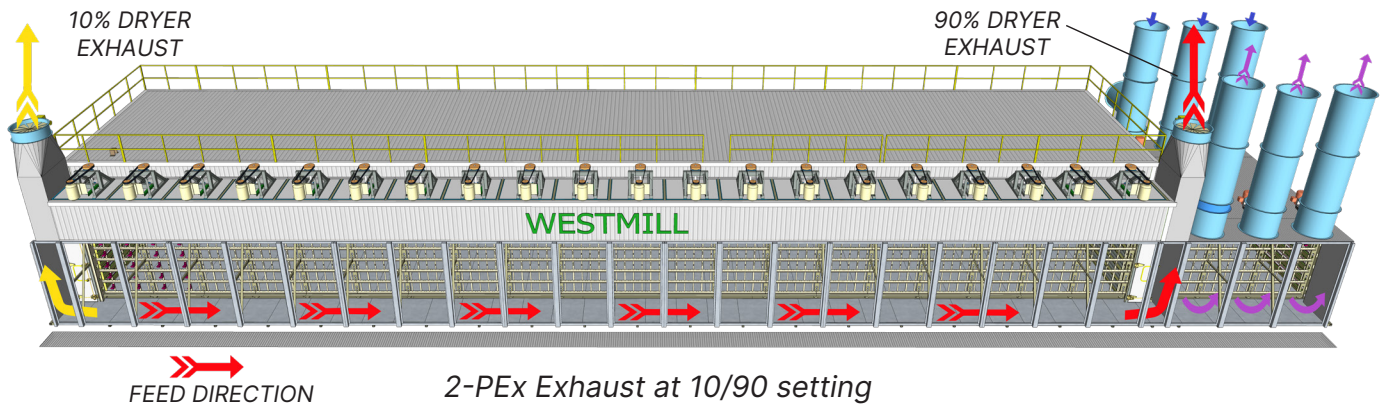
PATENTED

The 2PEX™ System provides unparalleled control of the humidity ratio along the entire dryer's length resulting in the BEST veneer quality available of any dryer sold today.

Quite simply, by providing separate extraction points at BOTH the Green-end and the Dry-end of the dryer, we can control the humidity migration towards either or both ends of the dryer vs. venting the entire dryer's exhaust from a Green-end SPE (Single Point Exhaust), thereby starving the Dry-end for moisture

(common on Jet dryers with Single Point exhaust systems operating today).

By pulling the high humidity from the Green-end down to the Dry-end, the 2PEX™ provides higher average humidity-ratio along the entire dryer. This higher humidity increases 'flash-point', reducing fires, providing higher temperature drying, increasing production and veneer quality.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

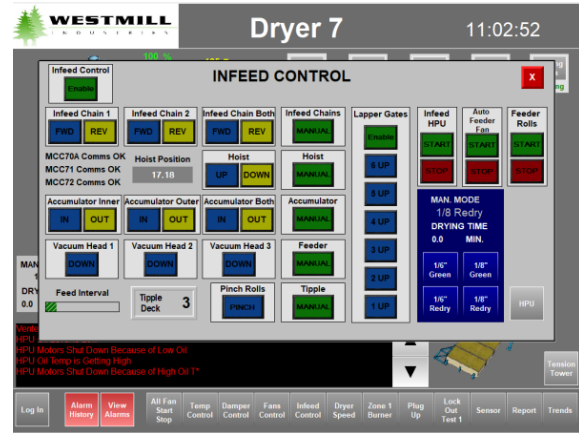
GENERAL COMPONENTS

WESTMILL EQUIPMENT

WESTMILL JET VENEER DRYER

PROGRAMMING & CONTROLS

Westmill's Dryer Control System functionality, ease-of-use and reliability is so highly regarded that we have customers that have standardized this system across operations in multiple locations – even for dryers not originally built by Westmill. We use the most current version of Allen Bradley ControlLogix and Panelview Touchscreens (unless otherwise requested by our customer).



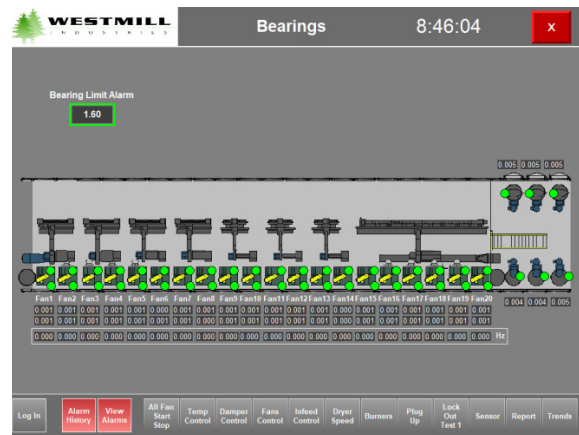
VIBRATION MONITORING & BEARING EARLY WARNING FAILURE SYSTEM

Westmill has identified and pioneered an easy-to-incorporate solution that significantly and effortlessly enhances a plant's preventative maintenance regime while increasing a dryer's uptime.

This solution incorporates vibration monitoring sensors and networked feedback of the gathered data to provide real-time monitoring of all the main circulation fans and all cooler fans.

This real-time monitoring for out of tolerance vibration in critical bearing applications provides a maintenance worker with advanced warning of a pending bearing failure.

For absolute simplicity, this system provides a real-time visual color-matrix indicator showing a GREEN (all OK), YELLOW (Check at next scheduled PM event) or RED (Check now) for every bearing being monitored.



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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 |
| 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 |
| 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 |
| 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 |
| 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 |

CONVEYOR COMPONENTS

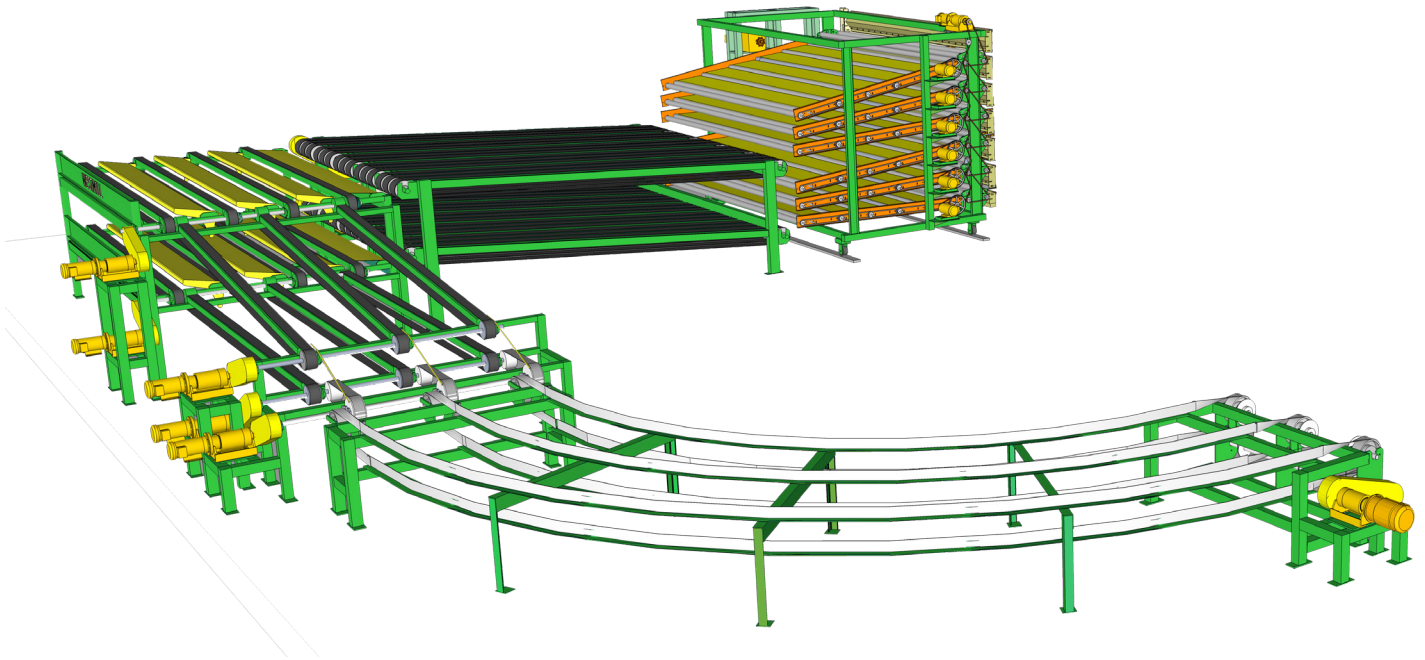
ROLL TUBES & ASSEMBLIES

MAJOR COMPONENTS

DRYER DOORS

GENERAL COMPONENTS

WESTMILL EQUIPMENT



Westmill offers a complete state-of-the-art dryer Outfeed System.

The Dryer Outfeed system quickly unloads the veneer sheets from the dryer, merges all decks onto a single belt, and conveys the veneer to the Veneer Grading line. Westmill's system makes this process as quick as possible while minimizing sheet skew.

Outfeed System Components:

- Sequential Unloader
- Multibelt Conveyor, 2-Level
- Cross-Transfer Conveyor, 2-Level
- Transfer Merge Conveyor, 2-Level
- Conveyor, 90° Edge Belt



WESTMILL OUTFEED SYSTEM

CONVEYOR
COMPONENTS

ROLL TUBES &
ASSEMBLIES

MAJOR
COMPONENTS

DRYER DOORS

GENERAL
COMPONENTS

WESTMILL
EQUIPMENT

SEQUENTIAL UNLOADER

Proper sequential unloading reduces dryer outfeed plug-ups and results in more consistent grading and reduces veneer sheet damage, especially at higher veneer processing speeds. Sheets are removed from the dryer as soon as they are detected, thus optimizing the system speed to its fullest.

Pinch Rolls & Veneer Detection

The infeed of the sequential unloader features two pairs of pinch rolls at the infeed of each deck. The pinch rolls rotate faster than the dryer rolls, thus pulling the sheets from the dryer and creating a gap between the unloader and the dryer.

Speed Up Rolls

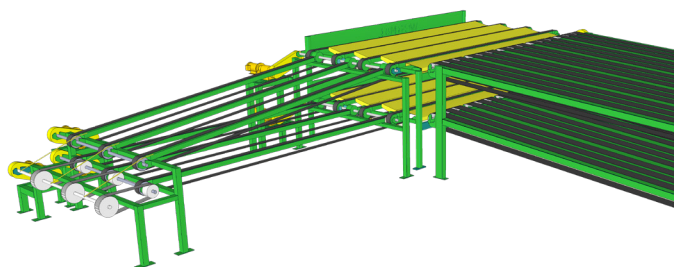
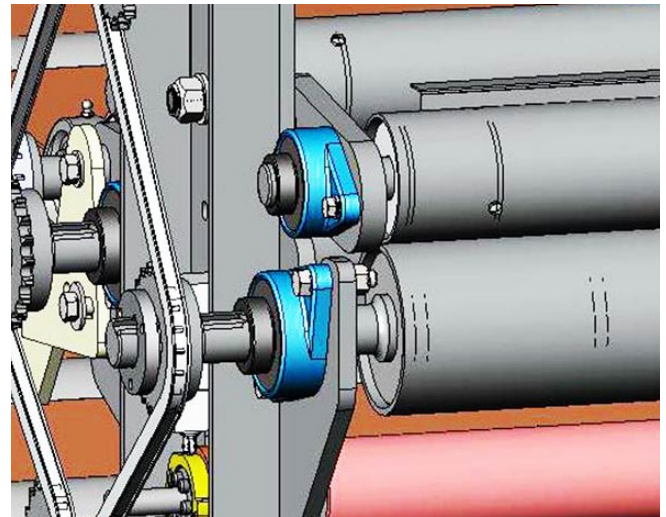
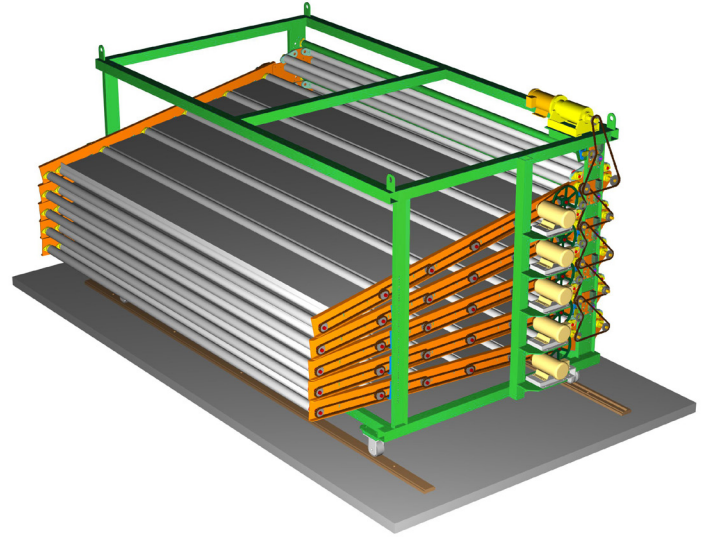
Westmill's Sequential Unloader is unique with our larger bottom roll design. The bottom roll of the unloader pinch rolls is 5" inches in diameter for extra stiffness and reduced deflection. It's important that minimal gap be visible between the rolls of a pinch roll pair for consistent unloading.

Ejection Rolls

Each of the unloader decks features an independent set of sheet discharge rolls to quickly evacuate sheets onto the multibelt.

"V" Groove Wheel & Track

The Sequential Unloader can be supplied with two foundation wheel tracks, which permit the unloader to be wheeled away from the dryer outfeed end wall for cleanout, baffle replacement/adjustment and/or roll replacement.



MULTIBELT CONVEYOR

Each Multibelt Conveyor includes multiple 6" wide 3 ply rough top conveyor belts. The approximate width of the conveyor is 18 feet. The conveyor includes the drive assembly framework mounted to one-leg assembly.

DOUBLE CROSS-TRANSFER CONVEYOR

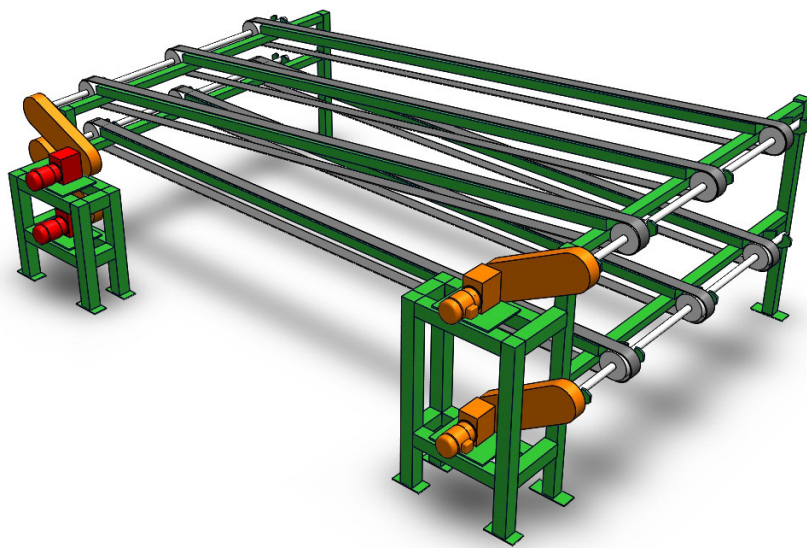
Veneer is 'launched' from the Multi-belt Conveyor to the Double Corner Transfer Conveyor. With the drop pans in the up position, veneer skids along the tops of the pans and strikes the spring backstop.

After contacting the spring backstop, the drop pans pivot down and the veneer is quickly taken away via the continuously running rough-top belts to the merge conveyor section.



CONVEYOR COMPONENTS

ROLL TUBES & ASSEMBLIES



MERGE CONVEYOR 2-TO-1 LEVEL

With sheet positioning sensing and individual VFD control, the Westmill Merge Conveyor helps to stage veneer prior to scanning and stacking.

MAJOR COMPONENTS

DRYER DOORS

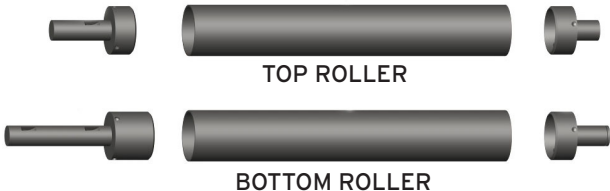
90° CORNER TRANSFER

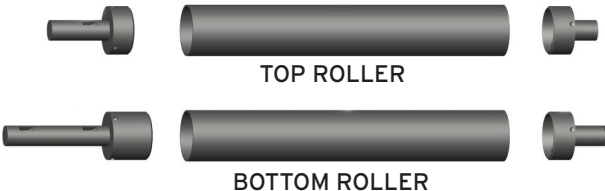
Westmill's 90-degree Edge Belt Corner Transfer includes all drives and take-ups.

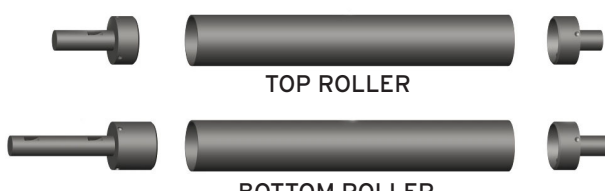


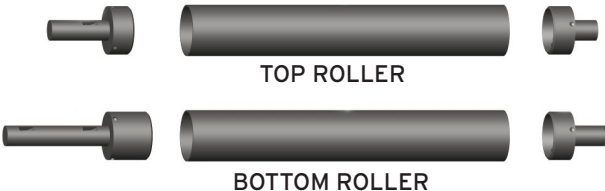
GENERAL COMPONENTS

WESTMILL EQUIPMENT

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| DRYER NO: | | DRYER NOTES |
| MAKE: | YEAR: | |
| CONVEYOR COMPONENTS | | DRYER DOOR HARDWARE |
| | | SEAL TYPE: |
| | | |
| | | DOOR SIZE: |
| | | |
| | | DOOR HARDWARE: |
| | | |
| | | SafeRelease™ Handle System': |
| | | |
| | | |
| | | MAJOR COMPONENTS |
| ROLL TUBE ASSEMBLIES | | JET TUBES: |
|  <p>TOP ROLLER</p> <p>BOTTOM ROLLER</p> | | |
| | | PLUG FANS: |
| | | |
| TOP ROLL: | BOTTOM ROLL: | GENERAL COMPONENTS |
| BUSHINGS: | | PLUG-UP DETECTION: |
| SPROCKET: (DRIVE SIDE) | | |
| SPROCKET: (IDLER SIDE) | | MOISTURE DETECTION: |
| BEARING HOUSING: (DRIVE SIDE) | | |
| BEARING HOUSING: (IDLER SIDE) | | MARKING INK: |
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| DRYER NO: | | DRYER NOTES |
| MAKE: | YEAR: | |
| CONVEYOR COMPONENTS | | DRYER DOOR HARDWARE |
| | | SEAL TYPE: |
| | | |
| | | DOOR SIZE: |
| | | |
| | | DOOR HARDWARE: |
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| | | SafeRelease™ Handle System': |
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| | | MAJOR COMPONENTS |
| ROLL TUBE ASSEMBLIES | | JET TUBES: |
|  <p>TOP ROLLER</p> <p>BOTTOM ROLLER</p> | | |
| | | PLUG FANS: |
| | | |
| | | |
| TOP ROLL: | BOTTOM ROLL: | GENERAL COMPONENTS |
| BUSHINGS: | | PLUG-UP DETECTION: |
| SPROCKET: (DRIVE SIDE) | | |
| SPROCKET: (IDLER SIDE) | | MOISTURE DETECTION: |
| BEARING HOUSING: (DRIVE SIDE) | | |
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| DRYER NO: | | DRYER NOTES |
| MAKE: | YEAR: | |
| CONVEYOR COMPONENTS | | DRYER DOOR HARDWARE |
| | | SEAL TYPE: |
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| | | DOOR HARDWARE: |
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| | | SafeRelease™ Handle System': |
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| | | MAJOR COMPONENTS |
| ROLL TUBE ASSEMBLIES | | JET TUBES: |
|  <p>TOP ROLLER</p> <p>BOTTOM ROLLER</p> | | |
| | | PLUG FANS: |
| | | |
| TOP ROLL: | BOTTOM ROLL: | GENERAL COMPONENTS |
| BUSHINGS: | | PLUG-UP DETECTION: |
| SPROCKET: (DRIVE SIDE) | | |
| SPROCKET: (IDLER SIDE) | | MOISTURE DETECTION: |
| BEARING HOUSING: (DRIVE SIDE) | | |
| BEARING HOUSING: (IDLER SIDE) | | MARKING INK: |
| NOTES: | | |
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| DRYER NO: | | DRYER NOTES |
| MAKE: | YEAR: | |
| CONVEYOR COMPONENTS | | DRYER DOOR HARDWARE |
| | | SEAL TYPE: |
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| | | DOOR HARDWARE: |
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| | | SafeRelease™ Handle System': |
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| | | MAJOR COMPONENTS |
| ROLL TUBE ASSEMBLIES | | JET TUBES: |
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| TOP ROLL: | BOTTOM ROLL: | GENERAL COMPONENTS |
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| SPROCKET: (IDLER SIDE) | | MOISTURE DETECTION: |
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| NOTES: | | |
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