

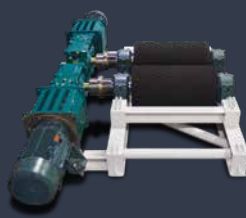
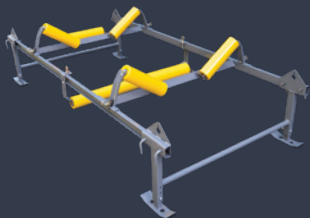
A photograph of a large-scale mining operation. In the foreground, a conveyor belt is shown from a low angle, curving upwards and to the right, discharging a large volume of dark, granular material. In the background, another conveyor belt structure is visible, also carrying material. The sky is filled with thick, white dust or steam, creating a hazy atmosphere. The overall scene conveys a sense of heavy industrial activity.

## NEW CONVEYOR EQUIPMENT PARTS + SERVICES

---

45+ YEARS EXPERIENCE IN  
THE MINING MARKET

BELT DRIVES  
TAIL SECTIONS  
TAKE-UP UNITS  
VFD POWER CENTERS  
HYDRAULIC POWER PACKS  
CONVEYOR STRUCTURE  
BELT STORAGE UNITS  
ELECTRIC WINCHES  
IMPACT BEDS  
DISCHARGE CHUTES  
SAFETY GUARDING  
POWER PACKS  
TRANSFER CHUTES  
STACKERS





**Pete Savage, President/CEO**  
West River Conveyors

*Connect with us!*



## MEET OUR CEO

---

*Pete Savage joined the West River team after spending six years in the United States Army. As an operator in the 10th Special Forces Command, he developed vital leadership skills and tactical expertise by leading diverse teams in high-pressure environments. His operational successes make him a perfect fit for moving West River forward.*

*Beginning his career as an account manager, Pete quickly developed his sales experience, product knowledge, and expertise in all conveyor-related products. He was promoted to President/CEO in October 2021.*

*Pete is a 2005 graduate of Virginia Tech and enjoys fishing, exercising, cooking, and spending time with his wife and children.*

*For more than 45 years, West River's goal has been to provide excellent customer service and quality, competitively-priced conveyor products — overland or underground, we are specialists in moving bulk materials over extended distances.*



## COMPANY HISTORY

Founded in 1981, **West River Conveyors** was established to manufacture conveyor systems, rebuild used mining equipment, and repair all types of machinery. As the business grew, we began building our own brand of new belt drives and supporting conveyor components. Before long, we found our niche in the industry by offering competitive prices backed by quality products.

In the late 1990s, we consolidated our operations from four locations into one. Anticipating future growth, we purchased 50+ acres in 2000 and moved our operations to its current location. With our customer service staff, engineers, fabricators, and machinists now under one roof, we are able to more efficiently follow our customer-focused business model and make purchasing experiences as personal as possible.

Exceeding customer expectations by building strong, long-lasting conveyor components that meet — and often exceed — the highest industry standard continues to be our greatest goal. Whether you need a belt drive, tail section, take-up unit, special design, or replacement parts, you can count on West River to deliver the best quality conveyor equipment in the industry.

## CONVEYOR SYSTEM COMPONENTS

**West River Conveyors** manufactures all of our conveyor equipment in our own 125,000+ square foot, state-of-the-art facility. We provide complete conveyor systems and components for the sand and gravel, coal, potash, salt, trona, and precious minerals mining industries. Our products are equipped with industry-leading brand parts and are tough-tested to stand up to the most demanding underground and above-ground bulk mining operations.

Standard new equipment product lines include belt drives, tail sections, take-up units, starters, belt storage units, winches, and power packs — built to your exact specifications. We use *Overland Conveyor* and other design software to create unique fabrications to fit any application. West River is committed to building the best product for every customer, every time.



*We stock many conveyor component parts — sprockets, belt rollers, bearings, motors, fluid couplings, bull gears, backstops, pulleys, chains, and more.*



## A VALUABLE PARTNER

**West River Conveyors** has been a leader in custom-designed, custom-built belt drives and complete conveyor packages for more than 45 years. Family-owned and operated, our focus is to supply competitively-priced, quality equipment for the sand and gravel, coal, potash, salt, trona, and precious minerals mining industries.

In addition to our quality products, service, and support, West River buys and sells used conveyor parts and speed reducers. We are one of a few companies in the world who specializes in replacement parts for gearboxes. Search our online extensive inventory at [westriverconveyors.com](http://westriverconveyors.com).

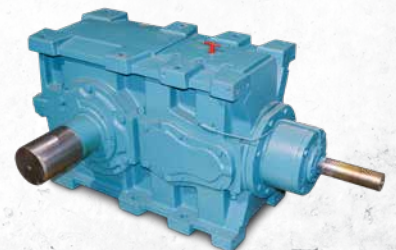
## NEW & USED INVENTORY

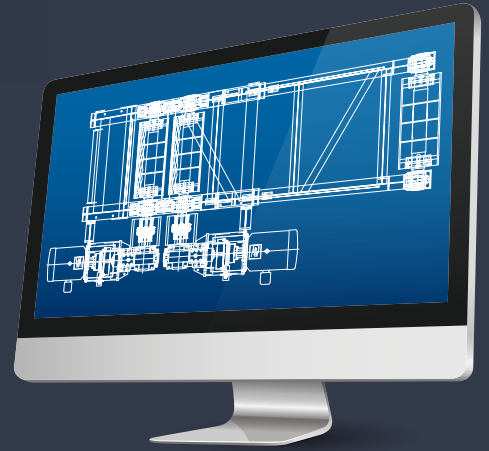
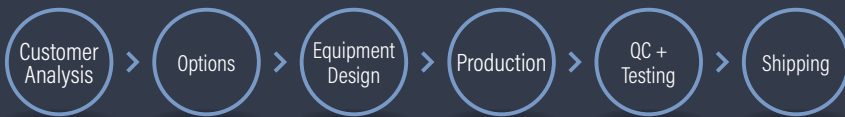
**West River Conveyors** has sold new and used equipment in nearly all 50 states and in more than 10 different countries. Our 30,000+ square foot warehouse and surrounding property are stocked with new and used parts ready to sell in a pinch. West River's team is dedicated to providing superior customer service 24/7 and strives to minimize loss of production time by replacing what you need as quickly as possible.

We supply reducers and components for the coal, sand, gravel, gold, silver, sugar, wood, paper, and zinc industries, both domestically and abroad. In fact, West River stocks more used speed reducers than anyone in the United States! We have reducer components — including housing, gearing, and shafting — in new, surplus new, and used condition from top brands including Falk, Link Belt, Hansen, Dodge, Foote Jones, Browning, REX, and more. View our parts inventory online at [westriverconveyors.com](http://westriverconveyors.com).

### We Offer:

- 24/7 delivery as needed
- Exceptional customer service
- Quality parts at competitive prices
- Large in-stock inventory
- Unique components available





## DESIGN PROCESS

**West River Conveyors** offers flexibility for a customer to participate in the production of their customized equipment, ensuring its accuracy down to the last bolt. Constructed from carefully selected, industry leading materials produces a stronger and more rigid, mine-duty frame that doesn't distort during installation or use.

West River uses heavier steel than most other companies — resulting in a product that surpasses the basic requirements for the most demanding bulk material handling operations. Superior products, in combination with our excellent customer service, makes working with us a favorable investment.

*Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution."*

— William A. Foster, Medal of Honor Recipient

## BELTING & STRUCTURE

**West River Conveyors** partners with quality vendors to offer competitively-priced belt and structure options alongside our new conveyor systems. This cultivates a pain-free purchasing experience for our customers — purchasing a total conveyor package all under one roof!

### BELTS

West River offers Grade 1, 2, and MSHA-approved conveyor belts. We promise to provide a robust carcass with excellent fastener holding ability. The belts come in a variety of widths, cover characteristics, and comply with satisfactory national and international standards. Call one of our friendly staff members to discuss your belt needs.

#### Options:

- Available in 18" to 84" belth widths
- Multi-ply, mono-ply, and steel cord belts available with rubber and/or PVC covers
- MSHA Part 14 fire resistance, Part 18, and CSA compliant fire resistance
- Mechanical splicing kits available



*Box Frame Design  
with Steel Rolls*

### STRUCTURE

West River offers structure in both floor and roof-mount designs in a variety of sizes and angles. All meet CEMA standards for load ratings, safety and durability. Structure is available in both rigid rail box frame and single beam design, in CEMA C, D, E, and F classes to accommodate all applications.

#### Options:

- Available from 18" to 84" belt widths
- Available in CEMA C, D, E, and F classes
- Available in rigid rail box frame, single beam design, catenary, and other





## BELT DRIVES

**West River Conveyors** specializes in new conveyor equipment and belt drives tailored to specific operational needs for underground and above-ground use.

### ALIGNMENT-FREE DRIVES

An alignment-free drive refers to the power base components — reducer, fluid coupling, and motor — properly constructed to eliminate shaft misalignment. With an alignment-free drive, there are two critical elements, input and output, where the need to align is completely eradicated, making it a great choice for those interested in long-term cost savings and efficiency.

#### Benefits:

- Eliminates catastrophic immediate failure of input if misaligned
- Eliminates rapid wear of components if output is misaligned
- Most energy efficient choice, none wasted in transmission
- Reduces need for spare parts inventory
- Bolt-together construction for ease of installation



*Triple 500HP Alignment-Free Drive*



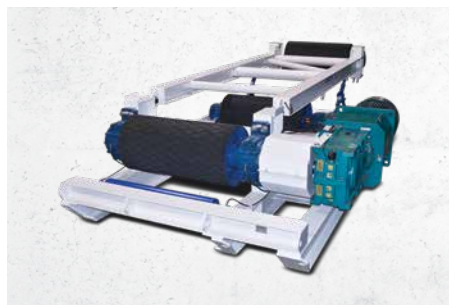
*Triple 450HP Alignment-Free Conveyor + Catwalks*

### ALIGNMENT-FREE COMBINATION DRIVE/TAKE-UP UNITS

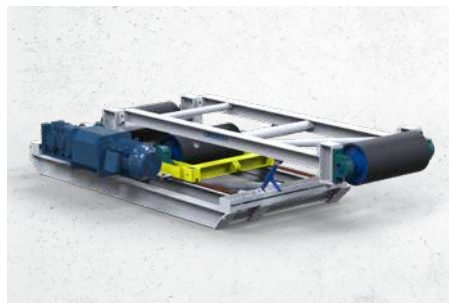
The Alignment-Free Combination Drive, sometimes called a "boom" drive, uses a rigid low speed coupling and fluid coupling with a tunnel instead of traditional belts and sheaves. By eliminating the use of belts and sheaves, the need to align the drive is completely eradicated, making it a popular choice for operations where reconfiguring often is necessary.

#### Benefits:

- Quick installation
- Quick transport — drive and take-up are on one movable base
- Readily available, less expensive components
- Need for alignment is eradicated
- Components can be used to match other 150HP & 200HP drives



*Single 150HP Alignment-Free Combination Drive/Take-up*



*Alignment-Free Combination Drive/Take-up*



### RECONDITIONED A-F DRIVES

Rebuilt drives are available as dual, triple or quad horsepower and can be customized with options to suit your operational requirements. The ability to use different combinations and configurations — such as grid or fluid couplings — makes ordering a reconditioned alignment-free drive ideal for those looking to invest in quality products that suit a conscientious budget.

#### Benefits:

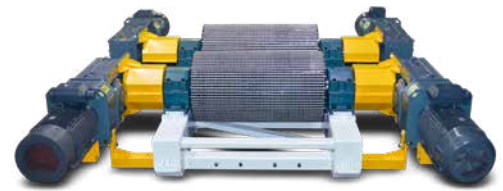
- Dual, Triple, or Quad HP
- Fully customizable to fit your budget
- Available as alignment-free or chain driven
- Quick turnaround

### VFD BELT DRIVES

The VFD Belt Drive uses a special inverter-duty constant torque motor that works in conjunction with the VFD starter. The special motor installed on the VFD drive allows the frequency of the electrical power supplied to the motor to increase speed, maneuverability, and responsiveness. With other types of starters, high currents occur when turning on a switch. With a VFD drive, a low frequency starts the motor.

#### Benefits:

- Maximizes energy savings by reducing the speed of the motor (consumes less energy)
- Low motor starting current
- Improved product quality and consistency



*Quad 400HP VFD Drive*

## STACKER CONVEYORS

**West River Conveyors** offers three main types of stacker conveyors for efficient transportation of material — all configurable for your specific operational needs.

### FIXED STACKER

This type of stacker conveyor, like the one pictured above, is fixed in place and can only create one stockpile at a time. However, you can physically move the whole unit to another location.

### TELESCOPIC STACKER

This type of stacker can extend and retract, making it particularly useful when creating large, uniform stockpiles. Telescopic conveyors typically have adjustable heights and are mobile and portable to move around a job site.

### RADIAL STACKER

A radial stacker moves left to right in a radius and can create as many piles as you need due to its rotational capability. It can also be built with an electric tram to rotate the tires 90 degrees to pivot.



*Fixed stacker with safety skirting along both sides*

### Automated Options

Choose automated or manual options to enhance your stacker conveyor with programmable logic controllers (PLCs), sensors, and/or remote monitoring functionality. Stacker conveyors can be built with different material options and design features including:

- Galvanized
- Stainless steel to prevent corrosion
- Mild Steel
- Aluminum

### Stacker Conveyor Components

Customize stacker conveyors with a wide range of components including:

- Fabricated truss to support material, snow, wind, and other engineering loads
- Conveyor belt
- Conveyor belt drive
- Head section for discharge point
- Tail section
- Hopper for material containment
- Safety skirting for tail section and undercarriage
- Radial axle with tires
- Catwalk on one or both sides
- Horizontal length as long as 200 feet
- Hydraulic jacks

## STARTERS

**West River Conveyors** can supply any type of starter to accommodate your particular drive.

### ACROSS-THE-LINE STARTERS

This type of starter is the simplest, most common type because it applies full voltage directly to the motor, resulting in a quick, full torque start.

#### Benefits:

- Works with NEMA designed induction motors
- Easy on/off push button
- Applies full voltage directly to the motor



### SOFT START STARTERS

Unlike across-the-line starters, soft starters are used to start or stop motors by reducing the voltage to each phase of a motor and slowly increasing the voltage until the motor gets up to full voltage at a fixed frequency.

#### Benefits:

- Minimizes wear and tear on conveyor belts, gears, and gearboxes by reducing the torque from the motor
- Offers more control over start times and speed control
- Larger energy savings than starters



### VFD STARTERS

A variable frequency drive (VFD) starter controls the frequency of the electrical power supplied to a motor to increase speed, maneuverability, and responsiveness. This type of starter is widely used because it initially applies a low frequency to start the motor, avoiding the high current that occurs by turning on a switch. Using a VFD starter increases longevity of the drive while achieving additional energy and cost savings.

#### Benefits:

- Maximized energy savings (by reduced motor speed)
- Low motor starting current
- Simple installation

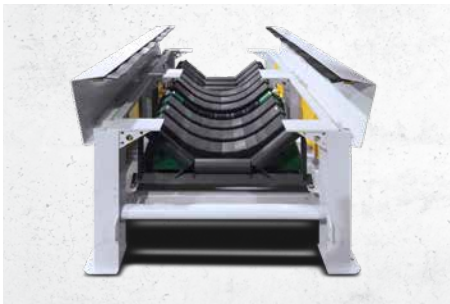
## TAIL SECTIONS

**West River Conveyors** can configure tail sections for any conveyor requirement, including length and horsepower. Essential to the performance of all conveyor systems, tail section design depends upon individual operational needs. The tail section, where material is loaded, is the greatest area of impact. Using components and accessories like skirting and a properly sized tail pulley aid in overall functionality and efficiency.

We can incorporate spiral or winged tail pulleys, specially designed glide beds, and sturdy, durable MSHA-approved impact beds with our structural steel frames. We aim to maximize performance and to simplify maintenance. Our tail sections are available in various heights and belt widths ranging from 24" to 96".

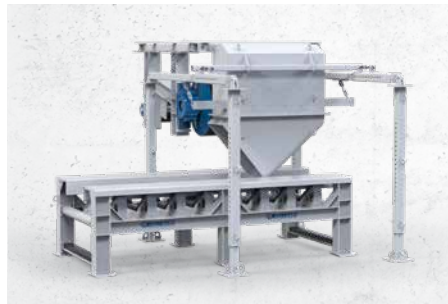
### Benefits:

- Proven heavy-duty structural design
- Ability to provide a quick turnaround if needed
- Ability to custom-design a tail section to fit unique applications



### IMPACT BED TAIL

*New 72" x 17' impact bed modular loading section*



### DISCHARGE CHUTE

*Intermediate loading section assembly with adjustable discharge chute*



### GLIDE BAR TAIL

*54" glide bar tail section with guarding around spiral tail pulley*



### TAIL SECTION

*48" impact bed tail section with tail pulley and side guarding for safety*



## ELECTRIC WINCHES

**West River Conveyors** can manufacture constant tension winches as an alternative to cylinder designed take-ups. They offer a quicker response time, varying amounts of line pull, and greater belt storage capacity. By providing constant tension under dynamic loads, they relieve motor overload by peaking torque prior to start-up, regardless of belt speed.

### Benefits:

- Quicker response time
- Improves conveyor operation
- Provides constant tension under dynamic loads to relieve motor overload — regardless of belt speed
- Varying amounts of line pull and greater belt storage capacity



### 150HP CONSTANT TENSION WINCH

This constant tension winch was built to handle demanding loads carried by lengthy, high-capacity conveyors. When you need longer take-up travel for high tension applications, electric constant tension winches are your solution.

*Our in-house manufacturing and fabrication provides high quality, functionally tested and inspected tail sections, including: Glide Bar, Impact Bed, Impact Idler, Feed Thru, and AR Plate.*



## HYDRAULIC POWER PACKS

**West River Conveyors** manufactures custom hydraulic power packs for many different take-up styles and sizes. A power pack's primary function is to provide sufficient hydraulic/oil flow to properly power a take-up. The pressure it creates is the determining factor in the strength of pull a take-up unit achieves. We stock standard t-frame motors including 5, 7.5, and 20 HP units.



*In addition to being the motive source of any size take-up unit, power packs also serve as a reservoir to store oil for the pump.*

## HYDRAULIC TAKE-UP UNITS

**West River Conveyors** builds new hydraulic take-up units in a variety of sizes. As conveyor systems lengthen, maintaining stable belt tension is necessary. Installing take-up units at multiple locations along the conveyor belt helps to maintain stable belt tension and prevent excessive belt sag.

### Benefits:

- Extends the life of conveyor belts
- Assists smooth start-up of unit by decreasing slippage
- Belt storage feature allows for belt splicing (as needed)
- Built with heavy-duty shafts, pulleys and split-house bearings



### 54" BW x 120' TAKE-UP UNIT

This take-up unit frame is a three-piece construction designed to be roof mounted.

### Features:

- 60' travel with 120' belt storage
- Heavy-duty structural steel frame
- Three piece bolt-together construction for ease of transport
- Designed for use with 150HP winch
- Includes 30" x 63" take-up pulleys

## REMOTE DISCHARGES

**West River Conveyors** engineers can design many different styles of remote discharge booms and transfer stations to exact customer specifications. Remote discharges safely transfer materials from one conveyor to another. Our heavy-duty structural steel designs can accommodate many options including belt cleaner mounting provisions, floor or roof mount design, engineered pulleys, adjustable or fixed booms, and more.

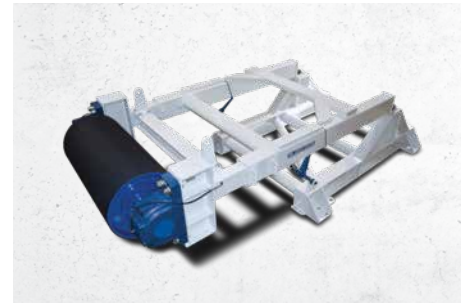


### 48" REMOTE DISCHARGE BOOM

This 48" belt width, adjustable remote discharge boom was built specifically for a salt mine operation. It has a 34" x 57" custom-engineered flat face pulley.

### Options:

- Belt cleaner mounting provisions
- Adjustable or fixed design
- Floor or roof mount
- Engineered pulleys



### 54" DISCHARGE BOOM

This unit was designed with adjustable angular boom jacks that gives it the ability to extend four feet. The frame was designed with mounting pads to allow for bolting to the mine floor. All discharge pulleys can be equipped with area safety guarding.

## TRANSFER CHUTE

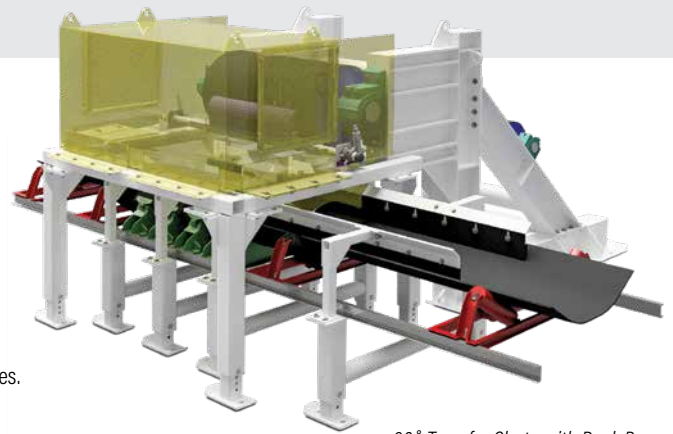
*54" Transfer for potash mine with dust suppression skirt box*



## CUSTOM-ENGINEERED TRANSFER CHUTES

**West River Conveyors** custom-engineers transfer chutes for all types of material handling needs. Tested to perform in the most demanding high-speed underground applications, they are highly effective at protecting their contents and containing them within the flow stream.

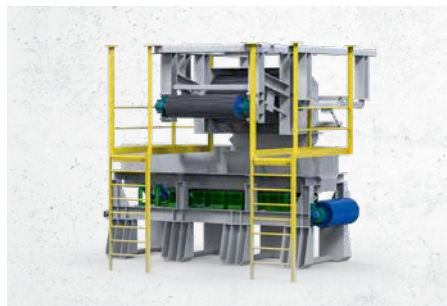
Designs can range from simple containers to more complex systems with multiple heights and angles. They are often enclosed to eliminate spillage and/or airborne dust when moving product from one conveyor line to another. Whether you need a standalone chute or one that attaches to a discharge boom, our team will help you determine the best solution for your exact requirement.



*90° Transfer Chute with Rock Box*



*54" BW 90° Transfer Loading Tail Section Assembly*



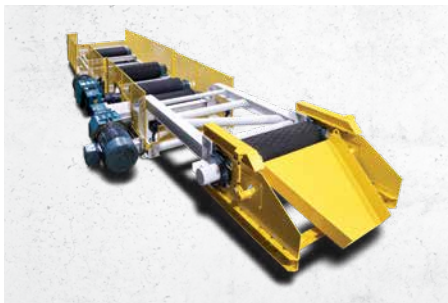
*Remote 90° Transfer Chute Rendering*



*54" BW 90° Roof Mount Transfer Loading Tail Section Assembly with Skirt Box and Dust Covers*

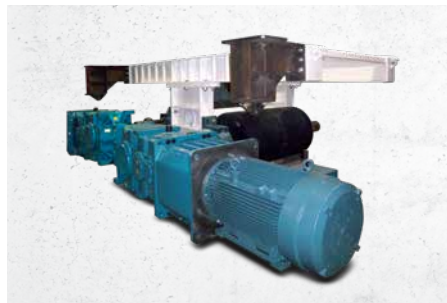
## SPECIAL DESIGN & CUSTOM FABRICATION

**West River Conveyors** can construct conveyor equipment to accommodate any unique application. We have built a variety of special-designed items including tail sections, drives for slope-designed belts, take-up units for specific industries, and belt storage units that can accommodate a variety of belt lengths.



### DRIVE + TAKE-UP ASSEMBLY

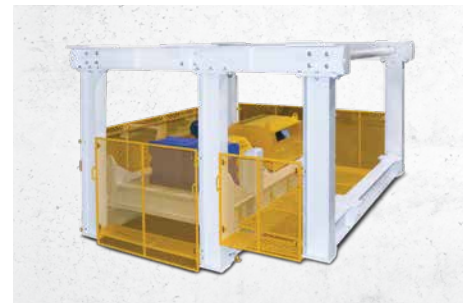
This 48" dual 150HP VFD-rated alignment-free drive was designed for trona mining. Both the drive and take-up unit were fully assembled and tested in our shop prior to shipping. The drive unit was designed to include a heavy-duty fabricated discharge chute per customer's request. Area safety guarding in an easy-to-use system allows for separate panels with handles for stress-free handling.



### CUSTOM ROOF/"BACK" MOUNT DESIGN

#### Dual 300HP VFD Belt Drive

This West River project was designed to be "back" mounted — bolting to the roof of the mine instead of the floor — using heavy-duty structural steel. It has two alignment-free power bases with heavy-duty detachable low speed coupling guards and extended shaft guards as required by the customer.



### SAFEGUARDING

#### Electric Winch with Safety Guarding

Per request, this winch was set up for roof/"back" mount. Vertical beams attached to the winch support it from the ceiling, allowing for proper connection to a take-up unit. Added metal safety guarding surrounding the drive and frame is an extra measure to protect workers from moving parts.



## CONVEYOR SYSTEM FULL LAYOUT

**West River Conveyors** creates detailed renderings of conveyor systems in their entirety. This allows engineers and operators a way to identify potential design issues, address space constraints, and ensure operational efficiency. A full rendering also provides a visual of how belts wrap in a system.



*Elemental 3D Rendering of a 54" BW Complete Conveyor System*

### 1 TRANSFER CHUTE

- Totally enclosed inline design with 90° transfer chute
- Heavy-duty construction with dust control skirt box for inline feed and transfer
- Allows proper transfer and loading of material while minimizing material impact on conveyor belt
- Holds 100% of surge material created by coast time of inby/outby conveyors
- Features mild steel shell with AR liner plates
- Compatible with remote discharge assembly

### 2 BELT DRIVE ASSEMBLY

- Drive frame designed for universal handling of power modules
- Built with heavy-duty structural steel
- Catwalk added for maintenance accessibility
- Has 42" x 63" flat face mine-duty pulleys
- 450HP per parallel reducer power module

### 3 TAKE-UP ASSEMBLY

- 60' of travel and 120' of belt storage
- Frame designed to be roof-mounted
- Three (3) piece construction for ease of transport, installation, and maintenance
- Designed for use with 150HP electric winch
- Has 30" x 63" take-up pulleys
- Aluminum guarding added for safety
- Steel walkway on both sides with handrails and ladder/stair access

### 4 IMPACT TAIL LOADING ASSEMBLY

- Built with heavy-duty structural steel
- Steel formed hinged covers
- Roof mount design
- Designed for use with in-line and/or 90° transfer chute assembly
- Has 30" x 63" tail pulley (same as take-up pulley to decrease pulley spares)
- MSHA-approved impact bars for abrasion resistance

## ADDITIONAL WEST RIVER SERVICES

### LASER SHAFT ALIGNMENT

Belt drive misalignment is one of the most common causes of premature drive failure. West River offers laser shaft alignment on the input and output sides of the reducer to assure your drive is aligned properly. Our experienced technicians, with more than 40 years of combined experience, can detect and avert catastrophic failure before it occurs.

### COMMISSIONING & START-UP

West River technicians are available for onsite supervision of installation and start-up — another way we're able to customize products to suit your needs. By having one or more technicians onsite, they're able to see first-hand ways to improve packaging, delivery, and handling.

### BELT ASSESSMENTS

Onsite assessment of your conveyor line can detect potential issues before they become major problems. West River's objective is to find long-term solutions, not temporary fixes, by taking both preventative and predictive maintenance measures. Once we determine that your conveyor system is designed to proper size and specification for your operation, we can help you minimize future repair costs and avoid costly downtime due to drive failure.





8936 DISMAL RIVER ROAD

OAKWOOD, VA 24631

800 332-2781 • FAX: 276 259-5252

[WESTRIVERCONVEYORS.COM](http://WESTRIVERCONVEYORS.COM)



*Connect with us!*

