



BELT CONVEYOR PRODUCTS

Keep your line up and running.



Partners in Productivity

SOLUTIONS FOR EVERY ISSUE ALONG THE BELT LINE

With over 100 years of experience in the belt conveyor industry, Flexco knows that keeping your line running smoothly is essential to the success of your operation. That's why we've developed a comprehensive line of innovative belt conveyor products that address the key issues you face.



Carryback

Material that sticks to the belt after it leaves the transfer point and continues falling off along the conveyor's return side. To address carryback, we offer:

- Belt Cleaners
- Belt Plows
- Cleaner Blades



Mistracking

Belt drifts to one side or the other, resulting in material spillage, uneven belt wear, and possible system damage. To combat mistracking, we offer:

- Belt Trainers
- Belt Positioners



Belt Slip

Occurs when the head pulley is not adequately gripping the belt due to a loss of friction. To combat slippage, we offer:

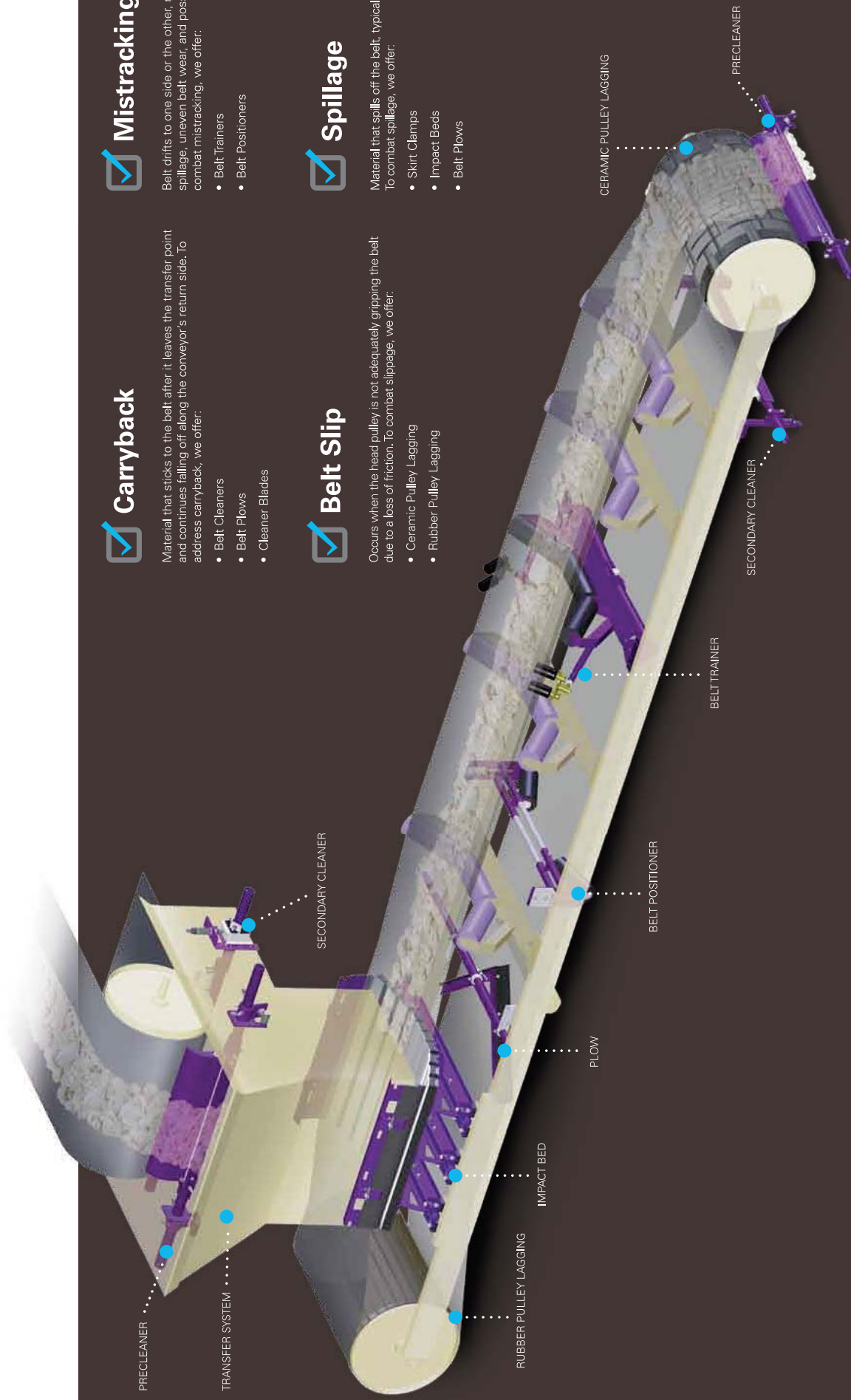
- Ceramic Pulley Lagging
- Rubber Pulley Lagging



Spillage

Material that spills off the belt, typically at transfer and load points. To combat spillage, we offer:

- Skirt Clamps
- Impact Beds
- Belt Plows



THE FLEXCO DIFFERENCE



Mineline® — When “standard” products just won’t do.

Flexco Mineline® products have been designed and engineered to work — day in and day out — in some of the toughest applications in the world. Regardless of the application, whether it be underground coal mining, port loading facilities, or other heavy tonnage applications that test the strength and durability of your conveyor system, Mineline® is the answer. Customers have come to expect a Flexco cleaner, impact bed or tracker with the Mineline® brand by its name to excel — even in situations where other products have failed.

Next to Mineline endorsed products, you’ll find this mark:



Innovative Designs, Superior Engineering, Industry Expertise

Since 1907, we’ve been dedicated to improving belt performance and productivity. That’s meant spending a lot of time in the field, working alongside customers and learning about their everyday challenges — first-hand.

We use that hard-won knowledge to design belt conveyor products that work better and last longer. In fact, we pioneered many of the advanced features that have since become industry standards.

Cleaner Innovations

- **Patented, Faceted Blade Profile** — These blades continually renew their edges, creating more efficient cleaning
- **Better-Performing Tungsten Carbide Cleaner Blades** — After years of testing and research, we’ve created blades that last longer and wear more evenly
- **Heavy-Duty Spring Tensioning Systems** — An important part of our cleaning systems, our tensioners enable easy visual inspection and maintain proper tension
- **“Material Path” Cleaning** — This unique option lets you match your cleaner width to your actual material path, reducing differential blade wear
- **Larger Diameter Poles** — Our poles are designed to resist the powerful twisting forces caused by continuous belt motion

Belt Tracking Innovations

- **Pivot-and-Tilt technology** — Special sensors detect belt wander, then guide the belt back to the correct path



Impact Bed Innovations

- **Velocity Reduction Technology™** — An exclusive feature of our impact beds, this technology deadens impact energy for less rebound and material degradation
- **Slide-Out Service™** — Designed for fast and safe complete bar change outs



Lagging Innovations

- **The Highest Coefficient of Friction on the Market** — Our Flex-Lag® Ceramic lagging offers up to three times the friction of rubber lagging
- **An 80%-Ceramic Solution** — We were the first to market with this option
- **Incredibly Fast Installation** — Our welded-on lagging is 50% faster to install than other lagging products

Flexco Belt Conveyor Products Deliver Benefits for Your Belt — and Your Bottom Line



Budget Savings

- Flexco cleaners and other belt conveyor products increase the life of the belt by reducing wear from carryback, mistracking, and other issues. Given the cost of belting, being able to keep your belts longer can mean substantial savings.
- Our products also help reduce wear on other key conveyor components, like rollers, pulleys, splices, and more. That saves you even more money.
- By cutting down on carryback, spillage, and other belt problems, our products also reduce safety hazards. And as you know, accidents can be costly — in terms of lost productivity and possible fines.



Consistent, Efficient Performance

- Unscheduled shutdowns for maintenance or repairs mean serious production losses. Our belt conveyor products help you maximize uptime by correcting the issues — such as mistracking and carryback — that typically cause system damage.



Greater Safety

- Studies show that approximately 42 percent of conveyor-related accidents occur during maintenance activities. Our cleaners and other belt conveyor products minimize the need for maintenance and reduce the risk of accidents.



Serviceability

- Proper servicing of products, such as belt cleaners and impact beds, is key to ensuring effective and long-lasting performance. That’s why all Flexco products are designed with features that make regular servicing easy.
- We are continually enhancing our already service-friendly products, making them even easier to maintain. For example, we’ve added an easy-to-replace blade cartridge to our MHS Heavy-Duty Secondary Cleaner, and Slide-Out Service™ bars to our DRX™ Impact Beds.



Lower Maintenance Costs

- Because they reduce carryback and spillage, our belt conveyor products cut down on time-consuming cleanup.
- When your belt and other important conveyor components are protected from damage, you can spend less time making repairs and less money buying replacement components. In fact, studies show that reducing carryback from 3 percent to 1 percent can result in a 67 percent reduction in maintenance costs.

YOUR ISSUE: CARRYBACK OUR SOLUTION: ADVANCED CLEANING SYSTEMS

Step 1 Understand Your Options

BELT CLEANERS

Precleaners

- Mounted to the head pulley and below the material flow
- Ideal for removing large pieces of material — typically about 60 – 70 percent of initial carryback

Secondary cleaners

- Located just past where the belt leaves the head pulley — and anywhere else down the beltline
- Especially good at removing fines, increasing cleaning efficiency to 90+ percent

BLADE OPTIONS

Polyurethane

- Easier on the belt
- Works well with mechanical splices
- Economical
- Specialty formulations for high heat, chemical resistance, or water removal

Tungsten carbide:

- Superior cleaning efficiency
- Long wear



Step 2 10 Key Criteria for Analyzing Your Conveyor System

- 1 Your belt speed and belt width
- 2 Whether the belt reverses
- 3 Your conveyor structure width
- 4 Your pulley diameter — typically, the larger the pulley, the larger the required cleaner
- 5 Your pulley condition — if the pulley is worn or not perfectly round, a segmented blade may clean more effectively
- 6 Where you plan to position the cleaner and how much room there is to accommodate it
- 7 What types of splices are present and their condition
- 8 Any unusual characteristics of your load or environment (extreme heat, abrasiveness, mud, etc.) — a specialty cleaner that can withstand these conditions may be necessary
- 9 The material's path on the belt — matching the cleaner to the material path reduces differential blade wear
- 10 Your desired level of performance and upkeep

Step 3 Determine Whether You Need a Complete Solution

Some operators want their belts as clean as possible; others are comfortable with a certain amount of renegade material.

To achieve maximum cleaning efficiency, it's best to bring

together a precleaner and one or more secondary cleaners to form a comprehensive system. If you only want to install a single cleaner, try to target the area — such as the head pulley — where it will have the greatest effect.



Precleaner Options

| Application Description | EZP-LS | EZP1 | EZP1 High Temp | MSP | MMP | MHP | MHCP | H-Type® (XF2 & XF) | H-Type® (V) | High Temp V-Tip |
|-------------------------|-----------------------------|-----------------------------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| Belt Width* | 12" – 60" 300 – 1500 mm | 12" – 72" 300 – 1800 mm | 12" – 72" 300 – 1800 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2400 mm | 24" – 84" 800 – 2100 mm | 18" – 72" 450 – 1800 mm | 18" – 72" 450 – 1800 mm | 18" – 68" 450 – 1200 mm |
| Belt Speed** | <500 fpm 2.5 m/sec | <700 fpm 3.5 m/sec | <700 fpm 3.5 m/sec | <700 fpm 3.5 m/sec | <1000 fpm 5.0 m/sec | <1200 fpm 6.0 m/sec | <1200 fpm 6.0 m/sec | <700 fpm 3.5 m/sec | <700 fpm 3.5 m/sec | <1000 fpm 5.0 m/sec |
| Head Pulley Diameter | 6" – 22" 150 – 550 mm | 10" – 36" 250 – 900 mm | 10" – 36" 250 – 900 mm | 16" – 42" 400 – 1050 mm | 16" – 48" 400 – 1200 mm | 20" – 120" 500 – 3000 mm | 20" – 48" 500 – 1200 mm | 10" – 63" 250 – 1575 mm | 10" – 63" 250 – 1575 mm | 8" – 36" 200 – 975 mm |
| Temperature Range | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | up to 275°F (135°C) with spikes to 325°F (163°C) | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 400°F -35 to 205°C | -30 to 400°F -35 to 205°C |
| Blade | ConShear LS | ConShear | ConShear | ConShear | TuffShear | MegaShear | SuperShear | HXF HXF2 | HV | HV |
| Reversing Belts | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Mechanical Fasteners | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No |

*Special sizes available upon request.

**Belt speeds can be higher in vulcanized applications.



Secondary Cleaner Options

| Application Description | EZS2 (C-Tip) | MSGS (C-Tip) | MSS (V-Tip) | MHS (C-Tip) | MHS (V-Tip) | MDWS | P-Type® (C-Tip) | P-Type (V-Tip) | P-Type LS (C-Tip) | U-Type® (F-Blade) | U-Type® (C-Blade) |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Belt Width* | 18" – 72" 450 – 1800 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2100 mm | 24" – 84" 600 – 2100 mm | 18" – 72" 450 – 1800 mm | 18" – 72" 450 – 1800 mm | 18" – 54" 450 – 1350 mm | 18" – 84" 450 – 2100 mm | 18" – 84" 450 – 2100 mm |
| Belt Speed** | <700 fpm 3.5 m/sec | <1000 fpm 5.0 m/sec | <1000 fpm 5.0 m/sec | <1200 fpm 6.0 m/sec | <1200 fpm 6.0 m/sec | <1000 fpm 5.0 m/sec | <1000 fpm 5.0 m/sec | <1000 fpm 5.0 m/sec | <1000 fpm 5.0 m/sec | <1200 fpm 5.0 m/sec | <1200 fpm 6.0 m/sec |
| Temperature Range | -30 to 200°F -35 to 93°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C |
| Reversing Belts | No | No | No | Yes | Yes | Yes | No | No | No | No | No |
| Work with Mechanical Fasteners | Yes | Yes | No | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes |

| Application Description | U-Type® (V-Blade) | R-Type® (C-Tip) | R-Type (V-Tip) | EZS2 High Temp | Chevron |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|
| Belt Width* | 18" – 84" 450 – 2100 mm | 18" – 72" 450 – 1800 mm | 18" – 72" 450 – 1800 mm | 18" – 72" 450 – 1800 mm | 18" – 80" 450 – 1900 mm |
| Belt Speed** | <1200 fpm 6.0 m/sec | <1000 fpm 5.0 m/sec | <1000 fpm 5.0 m/sec | <700 fpm 3.5 m/sec | <500 fpm 2.5 m/sec |
| Temperature Range | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 82°C | -30 to 180°F -35 to 205°C | -30 to 180°F -35 to 82°C |
| Reversing Belts | No | Yes | Yes | No | Yes |
| Work with Mechanical Fasteners | No | Yes | No | Yes | Yes |

*Special sizes available upon request.

**Belt speeds can be higher in vulcanized applications.



FLEXCO PRECLEANERS

FEATURES & APPLICATIONS



EZP-LS "Limited Space" Precleaner

- Compact design with shorter pole length
- Standard-duty, solid-blade design
- Visual tension check
- Do-it-yourself installation and minimal maintenance

Maximum Belt Speed* – 500 fpm (2.5 m/sec)

Pulley Diameter from 6" – 22" (150 – 550 mm)

Applications – Brick/Block Plants, Ready Mix Plants, Road/Mobile Equipment



EZP1 Rockline® Precleaner

- Standard-duty, with 2 3/8" diameter pole
- Visual tension check
- Requires just 4" of horizontal clearance
- Do-it-yourself installation and minimal maintenance

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Pulley Diameter from 10" – 36" (250 – 900 mm)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling



High-Temp EZP1 Precleaner

- Standard-duty, solid-blade design rated up to 275° F
- Visual tension check
- Requires just 4" of horizontal clearance
- Do-it-yourself installation and minimal maintenance
- Can handle temperature spikes to 325° F

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Pulley Diameter from 10" – 36" (250 – 900 mm)

Applications – Coke, Clinker, Cement, Asphalt



MSP Standard Mine-Duty Precleaner

- Standard Mine-Duty, with 2 1/2" diameter rugged pole design
- Do-it-yourself installation and easy maintenance
- Visual tension check
- Highly effective cleaning

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Pulley Diameter from 16" – 42" (400 – 1050 mm)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling



Stainless Steel MSP Standard Mine-Duty Precleaner

- Stainless steel components for superior corrosion resistance
- Mine-duty, solid-blade design
- Do-it-yourself installation and easy maintenance
- Visual tension check

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Pulley Diameter from 16" – 42" (400 – 1050 mm)

Applications – Phosphate, Potash, Salt



MMP Medium Mine-Duty Precleaner

- Medium-duty mining precleaner with TuffShear™ blade
- Heavy-duty, 3-piece design pole with dual tensioners
- Visual tension check

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Pulley Diameter from 16" – 48" (400 – 1200 mm)

Applications – Underground Mining, Hard Rock Mining, Steel Mills, Iron Ore, Metal Mining, Aggregate, Coal Fired Power Plants, Load Out Facilities



Cleaner Key:



WET: Cleaner is suitable for carryback with a high moisture content



STICKY: Cleaner can handle gluey/gummy carryback, such as fire clay



DRY: Cleaner is best suited for carryback with a low moisture content



HIGH TEMPERATURE: Cleaner can tolerate superheated materials and environments



CORROSIVE: Cleaner can withstand highly acidic/abrasive materials and environments



MINELINE® endorsed products for your toughest conveyor system challenges

*Belt speeds can be higher in vulcanized applications.

Applications listed are intended to identify where each cleaner is commonly and most effectively utilized. Belt conditions, belt speeds, and pulley diameters should all be considered before making a final product selection. Consult Flexco to assess specific applications and recommendations.

To learn more about Flexco precleaners, visit www.flexco.com.

FLEXCO PRECLEANERS *Continued*



Stainless Steel MMP Medium-Duty Precleaner

- Stainless steel components for superior corrosion resistance
- Medium-duty mining precleaner
- Heavy-duty, 3-piece design, corrosion-resistant pole with dual tensioners
- Visual tension check

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Pulley Diameter from 16" – 48" (400 – 1200 mm)

Applications – Phosphate, Posh, Copper/Gold Mining, Salt, Load Out Facilities Near Salt Water



HV Precleaner

- Tungsten carbide tip provides superior cleaning efficiency (vulcanized belts only)
- Segmented blades work independently
- Visual tension check

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Pulley Diameter from 10" – 63" (250 – 1575 mm)

Applications – Power Plants, Port Facilities, Hard Rock Mining, Iron Ore, Steel Mills



MHP Heavy-Duty Precleaner

- Heavy-duty, solid blade precleaner
- Heavy 3-piece pole design with rugged, dual-spring tensioners
- Abrasion-resistant, XL solid urethane MegaShear™ blade

Maximum Belt Speed* – 1200 fpm (6.0 m/sec)

Pulley Diameter from 48" – (1200 mm+)

Applications – Underground Mining, Hard Rock Mining, Metal Mining, Longwall Coal Mining, Steel Mills, Iron Ore



High-Temp HV Precleaner

- Tungsten carbide tip provides superior cleaning efficiency (vulcanized belts only)
- Segmented blades work independently
- Visual tension check

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Pulley Diameter from 10" – 63" (250 – 1575 mm)

Applications – Power Plants, Port Facilities, Iron Ore, Steel Mills



MHCP Heavy-Duty Cartridge Precleaner

- One of the most rugged precleaners available
- Engineered for abusive conditions
- Telescoping, 3-piece pole that resists twisting/bowing/bending
- Quick-change SuperShear™ blade cartridge for fast, easy maintenance

Maximum Belt Speed* – 1200 fpm (6.0 m/sec)

Pulley Diameter from 20" – 48" (500 – 1200 mm)

Applications – Underground Mining, Hard Rock Mining, Metal Mining, Longwall Coal Mining, Steel Mills, Iron Ore

Applications listed are intended to identify where each cleaner is commonly and most effectively utilized. Belt conditions, belt speeds, and pulley diameters should all be considered before making a final product selection. Consult Flexco to assess specific applications and recommendations.

Cleaner Key:

● WET

● STICKY

● DRY

● HIGH TEMPERATURE

● CORROSIVE

FLEXCO SECONDARY CLEANERS

FEATURES & APPLICATIONS



EVS2 Rockline Secondary Cleaner

- Segmented, tungsten carbide blades
- Patented FormFlex™ cushions that maintain optimal belt contact
- Do-it-yourself installation
- Bolt-up tensioning system

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Applications – Aggregate, Sand & Gravel, Cement



High-Temp EVS2 Secondary Cleaner

- Temperature range to up to 400° F
- Segmented, tungsten carbide blades
- Patented FormFlex™ cushions that maintain optimal belt contact
- Do-it-yourself installation
- Bolt-up tensioning system

Maximum Belt Speed* – 700 fpm (3.5 m/sec)

Applications – Cement, Asphalt



P-Type Secondary Cleaner

- Available with C-tips for mechanical fastener applications or V-tips for vulcanized applications
- Segmented, tungsten carbide blades
- Bolt-up tensioning system
- Limited space model option for telescoping, stacking, or portable conveyors

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling, Light Mining, Power Plants with Vulcanized Belts



R-Type Reversing Secondary Cleaner

- Available with C-tips for mechanical fastener applications or V-tips for vulcanized applications
- Two-way cushions that accommodate reversing belts
- Do-it-yourself installation
- Bolt-up tensioning system

Maximum Belt Speed* – 1000 fpm (5.0 m/sec)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling, Light Mining, Power Plants with Vulcanized Belts

*Belt speeds can be higher in vulcanized applications.

To learn more about Flexco secondary cleaners, visit www.flexco.com.

FLEXCO SECONDARY CLEANERS



P-Type Cartridge Secondary Cleaner

- Available with C-tips for mechanical fastener applications or V-tips for vulcanized applications
- Bolt-up tensioning system
- Service advantage cartridge feature allows for easy service and inspection

Maximum Belt Speed – 1000 fpm (6.0 m/sec)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling, Light Mining, Ideal for Power Plants with Vulcanized Belts



R-Type Cartridge Secondary Cleaner

- Available with C-tips for mechanical fastener applications or V-tips for vulcanized applications
- Two-way cushions that accommodate reversing belts
- Bolt-up tensioning system
- Service advantage cartridge feature allows for easy service and inspection

Maximum Belt Speed – 1000 fpm (6.0 m/sec)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling, Light Mining, Ideal for Power Plants with Vulcanized Belts



MSS Standard-Duty Secondary Cleaner

- Available with C-tips for mechanical fastener applications or V-tips for vulcanized applications
- Segmented, tungsten carbide blades
- Spring tensioning system

Maximum Belt Speed – 1000 fpm (6.0 m/sec)

Applications – Aggregate, Sand & Gravel, Cement, Wood Processing, Recycling, Light Mining, Power Plants with Vulcanized Belts



MHS Heavy-Duty and Reversing Secondary Cleaner

- Segmented blades with choices of tungsten carbide tips
- Patented FormFlex™ cushions that maintain optimal belt contact
- Tensioners and cushion create 4 points of relief, making the cleaner fastener friendly
- Two-way cushions available for reversing applications on shuttle conveyors, conveyors that roll back, or tripper and stacker applications

Maximum Belt Speed – 1200 fpm (6.0 m/sec)

Applications – Underground Mining, Hard Rock Mining, Metal Mining, Aggregate, Load Out Facilities, Iron Ore, Steel Mills, Power Plants



Stainless Steel MHS Heavy-Duty Secondary Cleaner

- Stainless steel components for extra corrosion resistance
- Segmented blades with choices of tungsten carbide tips
- Patented PowerFlex™ cushions that maintain optimal belt contact

- Tensioners and cushion create 4 points of relief, making the cleaner fastener friendly

Maximum Belt Speed – 1200 fpm (6.0 m/sec)

Applications – Self, Copper/Gold Mining, Phosphate, Potash, Load Out Facilities



MHS Secondary Cleaner with Service Advantage Cartridge™

- Segmented blades with choices of tungsten carbide tips
- Patented PowerFlex™ cushions that maintain optimal belt contact

- Tensioners and cushion create 4 points of relief, making the cleaner fastener friendly
- Service advantage cartridge feature allows for easy service and inspection

Maximum Belt Speed – 1200 fpm (6.0 m/sec)

Applications – Underground Mining, Hard Rock Mining, Metal Mining, Aggregate, Load Out Facilities, Iron Ore, Steel Mills, Power Plants



U-Type Secondary Cleaner

- U-shaped blade and offset pole that intensify cleaning power
- Blade tips that scrape off stubborn carryback, while rubber backers "squeeze" wet material
- Best for cupped belts and belts with worn centers
- Choice of tungsten carbide, impact-resistant tungsten carbide, or urethane blade tips
- Works best in wet applications

Maximum Belt Speed – 1200 fpm (6.0 m/sec)

Applications – Cement, Coal Mining, Coal Prep Plants, Power Plants, Load Out Facilities



Stainless Steel U-Type Secondary Cleaner

- Stainless steel components for extra corrosion resistance
- U-shaped blade and offset pole that intensify cleaning power
- Blade tips that scrape off stubborn carryback, while rubber backers "squeeze" wet material
- Best for cupped belts and belts with worn centers
- Choice of tungsten carbide, impact-resistant tungsten carbide, or urethane blade tips

Maximum Belt Speed – 1200 fpm (6.0 m/sec)

Applications – Load Out Facilities, Power Plants



Chevron Secondary Cleaner

- For raised top, chevron, or grooved belts
- Hundreds of rubber fingers that flick off carryback
- Free-rotating design that works only when the belt runs
- Do-it-yourself installation and quick drum replacement

Maximum Belt Speed – 500 fpm (2.5 m/sec)

Applications – Wood Chipping, Sand



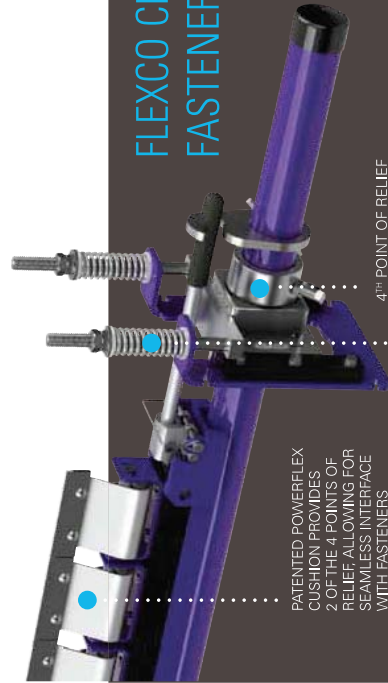
MDWS Dry Wipe Secondary Cleaner

- Removes excess water to ensure a dry return trip down belt line
- Ideal for systems using a water spray pole
- Do-it-yourself installation and minimal maintenance

Maximum Belt Speed – 1000 fpm (6.0 m/sec)

Applications – Underground Mining

Applications listed are intended to identify where each cleaner is commonly and most effectively utilized. Belt conditions, belt speeds, and pulley diameters should all be considered before making a final product selection. Consult Flexco to assess specific applications and recommendations.



PATENTED POWERFLEX CUSHION PROVIDES 2 OF THE 4 POINTS OF RELIEF ALLOWING FOR SEAMLESS INTERFACE WITH FASTENERS

SPRING TENSIONING SYSTEM ADDS 3RD POINT OF RELIEF

4TH POINT OF RELIEF FOUND IN THE POLE TORSION MOUNTING SYSTEM

FLEXCO CLEANERS AND FASTENERS: BETTER, TOGETHER

Many of our cleaning systems have special features that allow them to interface seamlessly with our mechanical belt fasteners.

Cleaner Key:

WET DRY STICKY HIGH TEMPERATURE CORROSIVE

Shower, MHS Secondary Cleaner, Wipe Service Advantage Cartridge

YOUR ISSUE: BELT MISTRACKING OUR SOLUTION: BELT TRACKERS

To select the right belt tracker, you need to consider whether:

- The belt is wandering to one or both sides
- The top or return side of the belt is affected
- The mistracking is happening consistently or occasionally
- The belt has a low, medium, or high running tension

Use the following chart to identify the best Flexco tracker for your needs.

| Conveyor Criteria | Belt Positioner™ | PT Smart™ | PT Smart™ Underground | PT Max™ Top Side | HD PT Max™ Top Side | PT Max™ Return Side | HD PT Max™ Return Side |
|---------------------------------|------------------|-------------|--------------------------|---------------------|------------------------|------------------------|---------------------------|
| Top side mistracking | No | No | No | Yes | Yes | No | No |
| Return side mistracking | Yes | Yes | Yes | No | No | Yes | Yes |
| Belt mistracking to one side | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Belt mistracking to both sides | Poor | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Inconsistent tracking problem | Good | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Belt is cupped (heavy) | Good | Good | Good | Excellent | Excellent | Good | Good |
| Belt has low running tension | Poor | Excellent | Excellent | Good | Good | Good | Good |
| Belt has medium running tension | Good | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Belt has high running tension | Good | Good | Good | Excellent | Excellent | Excellent | Excellent |
| Approx. "upstream" effect* | 50' (15 M) | 20' (6 M) | 20' (6 M) | 120' – 150' | 20' (6 M) | 20' (6 M) | 20' (6 M) |
| Approx. "downstream" effect* | 50' (15 M) | 120' – 150' | 120' – 150' | 150' – 200' | 120' – 150' | 120' – 150' | 120' – 150' |

*Typical results; actual results may vary

FLEXCO BELT TRACKERS FEATURES & APPLICATIONS



Belt Positioner™

- Simple solution for belts wandering to a single side
- Fixed, angled rollers "funnel" the belt onto the correct path
- Return-side installation only
- Easy to install and maintain

Maximum Belt Tension: 1200 PIW
Belt Dimensions: From 18" – 96" (450 – 2400 mm) wide



PT Smart™

- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Economical solution for medium-tension belts
- Effectively prevents belt from damaging structure
- Easy to install

Maximum Belt Tension: 1600 PIW

Belt Dimensions: For belt width + 3" roller and up to 1' (25 mm) thick

PT Smart™ Underground Structure

- Specially designed to fit underground conveyors
- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Economical solution for medium-tension belts
- Effectively prevents belt from damaging structure

Maximum Belt Tension: 1600 PIW

Belt Dimensions: For belt width + 9" roller and up to 1' (25 mm) thick



PT Max™ Return Side

- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Ideal solution for cupped and heavy-tension belts
- Performs in wet and dry conditions
- Return-side installation only

Maximum Belt Tension: 3000 PIW

Belt Dimensions: From 24" – 60" (600 – 1500 mm) wide and up to 1' (25 mm) thick



PT Max™ Top Side

- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Ideal solution for cupped and heavy-tension belts
- Performs in wet and dry conditions
- Top-side installation only

Maximum Belt Tension: 3000 PIW

Belt Dimensions: From 24" – 60" (600 – 1500 mm) wide and over 3/4" (19 mm) thick

HD PT Max™ Return Side

- Ideal for the heaviest, most highly tensioned belts
- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Performs in wet and dry conditions
- Return-side installation only

Maximum Belt Tension: 6000 PIW

Belt Dimensions: From 48" – 84" (1200 – 2100 mm) wide

HD PT Max™ Top Side

- Ideal for the heaviest, most highly tensioned belts
- Sensor rollers detect wander, then "pivot and tilt" belt into place
- Performs in wet and dry conditions
- Top-side installation only

Maximum Belt Tension: 6000 PIW

Belt Dimensions: From 48" – 84" (1200 – 2100 mm) wide

YOUR ISSUE: LOAD-POINT SPILLAGE OUR SOLUTION: IMPACT BEDS, SKIRTING SYSTEMS & PLOWS

How to Select the Right Impact Bed

Step 1:

Calculate Your Impact Energy

Identify the weight of your largest lump size and multiply this number by your drop height. The result, expressed in lb-ft, will be your estimated impact energy.

Step 2:

Match the Result to the Bed Rating

Up to 200 lb-ft. — DRX200
200 to 750 lb-ft. — DRX750
750 to 1500 lb-ft. — DRX1500
1500 to 3000 lb-ft. — DRX3000

How to Select the Right Plow

When choosing a plow to prevent fugitive material from finding its way into your tail pulley, you need to consider where you want to discharge any debris.

To discharge material to a single side of the belt:
Choose the RDP1 Diagonal Plow.

To discharge material to both sides of the belt:
Choose the V-Flow.



Ultimate Performance – Flexco Transfer Chute Solutions

We have over 25 years of experience in designing and implementing superior transfer-point solutions. We offer:

- Tasman-Warajay technology — the original “controlled flow” solution
- Greater throughput with virtually no plugging
- Custom engineering to meet your needs
- Advanced diversion capabilities



To learn more about Flexco load-point solutions, visit www.flexco.com.

When it comes to load zones, our impact beds deliver the highest level of material containment and belt protection. They've been specially designed to control acceleration, deaden impact energy, reduce damaging vibrations, and extend belt life.

FLEXCO IMPACT BEDS

FEATURES & APPLICATIONS

DRX3000 Impact Bed

- Exclusive Velocity Reduction Technology™ that deadens rebound forces for reduced spillage and material degradation
- For extreme-impact applications requiring the highest energy absorption
- Impact Energy Absorbers disperse an immense amount of impact energy
- Stationary skirt support bar system helps ensure a positive seal with the skirt rubber

Bed Rating – 1500 – 3000 lb-ft

Applications – Any operation that combines large material size and extreme height



DRX1500 Impact Bed

- Exclusive Velocity Reduction Technology™ that deadens rebound forces for reduced spillage and material degradation
- For high-impact applications
- Recommended for +12" materials
- Isolation Mounts ensure a second level of impact force reduction

Bed Rating – 750 – 1500 lb-ft

Applications – Coal-Fired Power Plants, Coal Prep Plants, Load Out Facilities



DRX750 Impact Bed

- Exclusive Velocity Reduction Technology™ that deadens rebound forces for reduced spillage and material degradation
- For medium-impact applications
- Recommended for +8" to +10" materials
- Provides a unique second level of impact relief

Bed Rating – 200 – 750 lb-ft

Applications – Hard Rock Mining, Limestone Quarrying

DRX200 Impact Bed

- Exclusive Velocity Reduction Technology™ that deadens rebound forces for reduced spillage and material degradation
- Recommended for +4" to +6" materials
- Slide-Out-Servicem™ for easy maintenance

Bed Rating – Up to 200 lb-ft

Applications – Sand and Gravel

FLEXCO SKIRTING SYSTEMS

FEATURES & APPLICATIONS

Specially designed to create an effective seal at load points without damaging the top cover of your belt, our skirting systems are a smart way to improve throughput.



Flex-Seal™

Skirting System

- Dynamic containment unit that fully seals the loading zone
- Sturdy, corrosion-resistant components that deliver long service life
- Easy to install and maintain

Module Sizes: 4' (1200 mm)

Skirting Sizes: For skirt rubber 6" (150 mm) wide and from 5/16" – 3/4" (8 – 19 mm) thick



RMCI Skirt Clamps

- Simple installation, no-hassle maintenance
- Versatile design that can be installed on vertical or perpendicular skirt boards
- Anti-vibration clamp pin
- Interlocking clamp plates and 4" (1200 mm) clamp bar

Skirting Sizes: For a range of skirt rubber heights; for thicknesses from 5/16" – 3/4" (8 – 19 mm) thick



Flex-Lok™ Skirt Clamps

- Heavy-duty applications
- Strong restraining bar that is held in place by clamp plates to allow easy adjustment of skirt rubber
- Anti-vibration clamp pin can be unlocked with a rubber hammer

- Easy to install and maintain
- Mini Flex-Lok® option available — overall height of 5 1/2"

Module Sizes: 6' (1800 mm)

Skirting Sizes: For skirt rubber from 5/16" – 1" (8 – 25 mm) thick



Simply tap loose the locking pin to reposition or replace skirt rubber and then tap to re-lock in place.



Pal Paks

- Safe, easy-to-install skirt clamps
- Clamp pins bolt directly to skirt board
- No-weld solution that eliminates sparking risks
- Clamp plates are 7" high (LS version 4 1/2" high)
- LS and bolt-on options available

Skirting Sizes: For a range of skirt rubber heights; for thicknesses from 5/16" – 3/4" (8 – 19 mm) thick

FLEXCO PLOWS

FEATURES & APPLICATIONS

Flexco offers two advanced plows that prevent costly damage to tail pulleys and gravity take-ups, while cleaning the inside of the belt.



RDP1 Diagonal Plow

- Discharges debris to one side of belt
- Unique angled blade that creates effective "spiral" action
- Fixed position eliminates bouncing and vibration problems
- Appropriate for use at any point along inside of return belt

Belt Widths: From 18" – 84" (450 – 2100 mm)



V-Plow

- Simultaneously discharges debris to both sides of belt
- Angled blade design "spirals" away debris and water
- Easy to install
- Fits virtually any conveyor structure

Belt Widths: From 18" – 96" (450 – 2400 mm)

Unique angled blade quickly spirals material off the belt, preventing it from working its way under the blade – providing a superior and more efficient cleaning.



To learn more about Flexco load-point solutions, visit www.flexco.com.

YOUR ISSUE: SLIPPAGE OUR SOLUTION: PULLEY LAGGING

How to Select the Right Lagging Product

To select the right pulley lagging, be sure to consider the environmental conditions around the pulley:

- Belt condition, i.e., wet or dry
- The service required for bonded lagging versus weld-on
- The expected wear life of the lagging

Use the following chart to identify the best Flexco lagging for your needs.

| Criteria | Flex-Lag® Rubber | | | Flex-Lag® Ceramic | | | Flex-Lag® Weld-On™ | |
|-----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--|
| | Light Duty | Plain | Diamond | 13% Coverage | 80% Coverage | Rubber Diamond | Ceramic, 76% Coverage | |
| Total Thickness | 5/16" (8 mm) | 13/32" – 1" (10 – 25 mm) | 13/32" – 1" (10 – 25 mm) | 5/32" (12 mm) | 1/2" (13 mm) | 9/16" (14 mm) | 9/32" (15 mm) | |
| Rubber/Ceramic Thickness | 5/16" (8 mm) | 13/32" – 1" (10 – 25 mm) | 13/32" – 1" (10 – 25 mm) | 5/32" (12 mm) | 1/2" (13 mm) | 15/32" (12 mm) | 1/2" (13 mm) | |
| Belt Width | Any Width | Any Width | Any Width | Any Width | 18" – 64" (450 – 2100 mm) | 18" – 72" (450 – 1800 mm) | 18" – 72" (450 – 1800 mm) | |
| Pulley Diameter | 12" – 72" (300 – 1800 mm) | 12" – 72" (300 – 1800 mm) | 12" – 72" (300 – 1800 mm) | 12" – 72" (300 – 1800 mm) | 12" – 72" (300 – 1800 mm) | 16" – 72" (400 – 1800 mm) | 16" – 72" (400 – 1800 mm) | |
| Dry Performance | Very Good | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent | |
| Wet Performance | Average | Average | Good | Very Good | Excellent | Good | Excellent | |
| Wear Life | Good | Very Good | Very Good | Excellent | Excellent | Very Good | Excellent | |
| Ease of Installation | Good | Good | Good | Good | Good | Excellent | Excellent | |
| Drainage Grooves | No | Yes | Yes | Yes | Yes | Yes | Yes | |
| FRAS (Fire Resistant Anti Static) | No | Yes | Yes | Yes | Yes | Yes | Yes | |

FLEXCO PULLEY LAGGING

FEATURES & APPLICATIONS



From gutterless designs that minimize vibration to the highest coefficient of friction on the market, we have a lagging product that meets your needs.



Flex-Lag® Rubber Pulley Lagging

- Cost-efficient choice that installs fast
- For standard applications with minimal slippage
- Available in plain and diamond-pattern
- Excellent water shedding capabilities

Pulley Diameters: From 12" – 72" (300 – 1800 mm)
Belt Width: Any Width



Flex-Lag® Ceramic Pulley Lagging

- 80% tile coverage for the most severe applications
- Highest coefficient of friction in lagging materials
- Performs in dry, wet, and muddy conditions

Pulley Diameters: From 12" – 72" (300 – 1800 mm)
Belt Width: From 18" – 84" (450 – 2100 mm)



Flex-Lag® Weld-On Ceramic Pulley Lagging

- 74% tile coverage for heavy-duty applications
- Reduces belt vibration and cleaner chatter
- Patented gear tooth design
- Ideal for operations that need a high degree of friction and a quiet operation

Pulley Diameters: 16" – 72" (405 – 1800 mm) and over
Belt Width: From 18" – 72" (450 – 1800 mm)



Flex-Lag® Weld-On Rubber Pulley Lagging

- For standard applications with minimal slippage
- Gutterless design for cleaner compatibility
- Reduces belt vibration and cleaner chatter
- Simple, on-site installation

Pulley Diameters: 16" – 72" (405 – 1800 mm) and over
Belt Width: From 18" – 72" (450 – 1800 mm)

To learn more about Flexco pulley lagging, visit www.flexco.com.

For Belt Conveyor Challenges,

TRUST YOUR PARTNERS IN PRODUCTIVITY



We work with you to determine the best solution.

We can conduct an on-site system audit to understand your conveyor and identify opportunities for improvement. Then we'll recommend the right solution — one that works for your belt and your budget.



We're committed to safety and quality.

At Flexco, we won't settle for anything less than the best, most durable products around. That's why we do extensive testing to ensure that our products work properly and perform beyond your expectations. Plus, many of our products have built-in safety features to help prevent on-the-job injuries.



We have extensive industry knowledge.

Our hands-on industry experience gives us deep insights into your productivity demands, maintenance challenges, safety requirements, and more. We serve operations all over the world in the coal, aggregate, bulk material, and mining industries.



We offer a wide range of compatible products.

In addition to high-quality belt conveyor products, we offer mechanical belt fasteners, transfer chutes, and maintenance tools. And they're specially designed to work with cleaners, trackers, lagging, and more.



Partners in Productivity

Partner with Flexco on all your belt conveyor needs. Call 1-800-541-8028 or visit www.flexco.com.





Visit our website or contact your local distributor to learn more.



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