



## B E L T C L E A N I N G S Y S T E M S

*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:

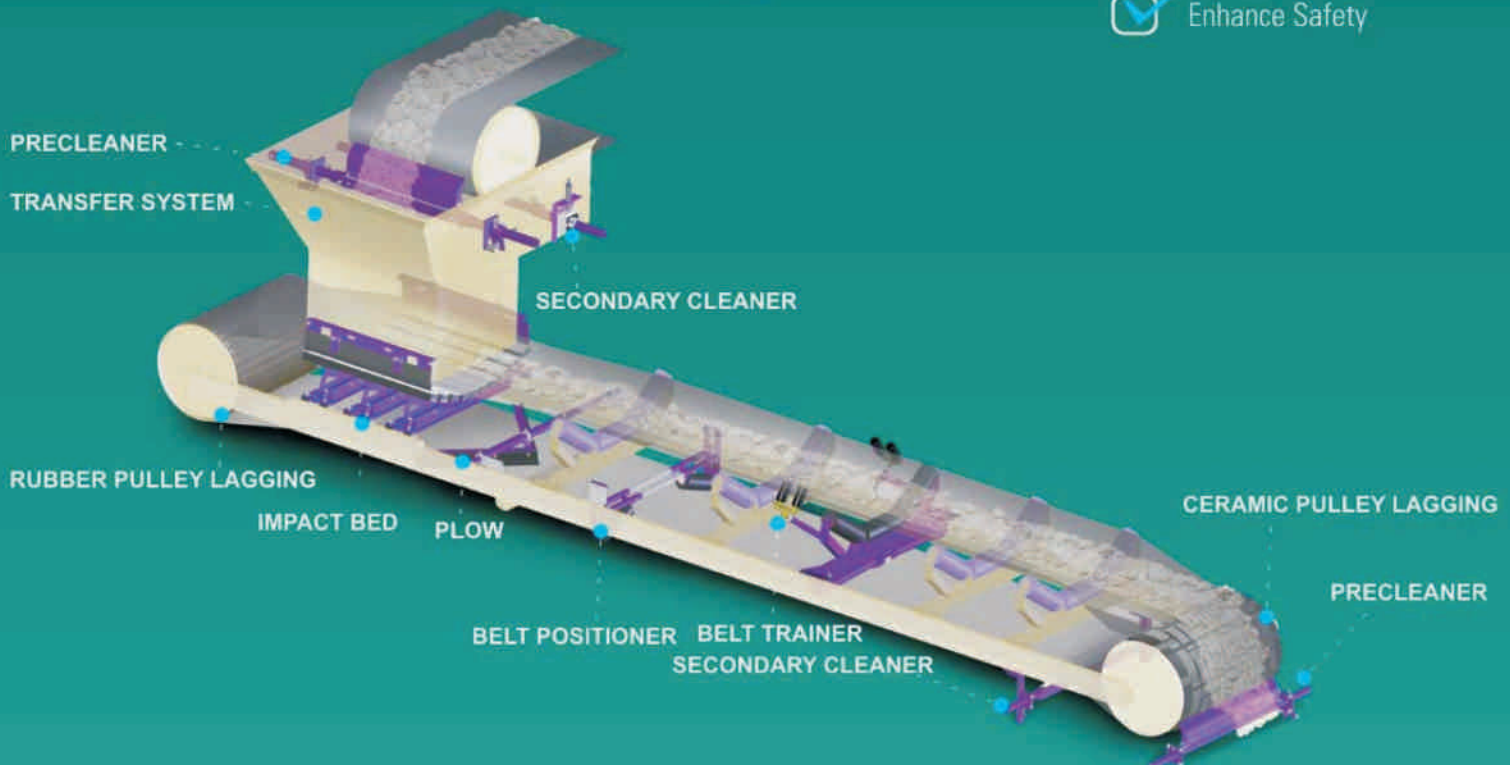
- Ceramic Pulley Lagging
- Rubber Pulley Lagging

## Spillage

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

- Skirt Clamps
- Impact Beds
- Belt Plows

- Increase Uptime
- Correct Belt Mistracking
- Reduce Belt Slip
- Protect Tail Pulleys
- Reduce Carryback
- Eliminate Spillage
- Protect the Belt
- Optimize Material Transfer
- Enhance Safety



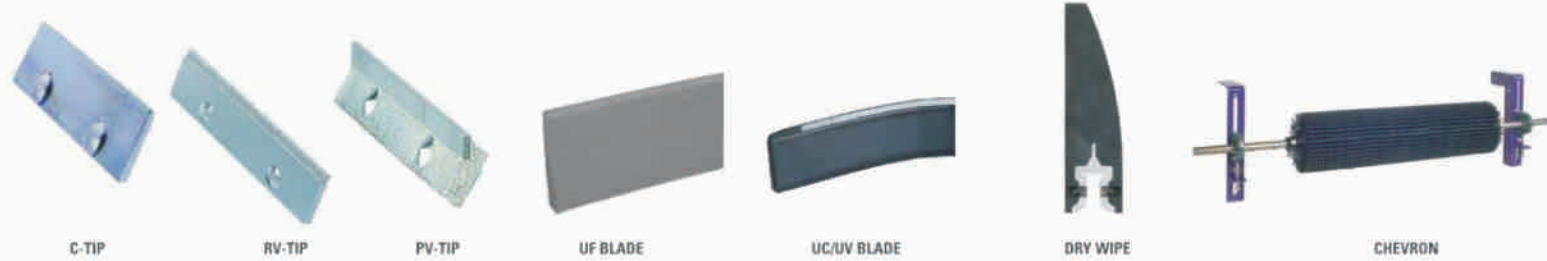


## Pre-cleaner Options

Application Description	EZP-LS	EZP1	EZP1 High Temp	MSP	MMP	MHP	MHCP	H-Type® (XF2 & XF)	H-Type® (V)	High-Temp V-Tip
<b>Belt Width*</b>	300 – 1500 mm (12" – 60")	300 – 1800 mm (12" – 72")	300 – 1800 mm (12" – 72")	600 – 2100 mm (24" – 84")	600 – 2100 mm (24" – 84")	600 – 2400 mm (24" – 96")	600 – 2100 mm (24" – 84")	450 – 1800 mm (18" – 72")	450 – 1800 mm (18" – 72")	450 – 1200 mm (18" – 48")
<b>Belt Speed**</b>	2.5 m/sec (<500 fpm)	3.5 m/sec (<700 fpm)	3.5 m/sec (<700 fpm)	3.5 m/sec (<700 fpm)	5.0 m/sec (<1000 fpm)	7.5 m/sec (<1500 fpm)	6.0 m/sec (<1200 fpm)	3.5 m/sec (<700 fpm)	5.0 m/sec (<1000 fpm)	5.0 m/sec (<1000 fpm)
<b>Head Pulley Diameter</b>	150 – 550 mm (6" – 22")	250 – 900 mm (10" – 36")	250 – 900 mm (10" – 36")	400 – 1050 mm (16" – 42")	400 – 1200 mm (16" – 48")	500 – 3000 mm (20" – 120")	500 – 1200 mm (20" – 48")	250 – 1325 mm (10" – 53")	250 – 1575 mm (10" – 63")	200 – 875 mm (8" – 35")
<b>Temperature Range</b>	-35 to 82°C (-30 to 180°F)	-35 to 82°C (-30 to 180°F)	up to 135°C (275°F) with spikes to 163°C (325°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 205°C (-30 to 400°F)	-35 to 205°C (-30 to 400°F)
<b>Blade</b>	ConShear-LS	ConShear	ConShear	ConShear	TuffShear	MegaShear	SuperShear	HXF, HXF2	HV	HV
<b>Reversing Belts</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Mechanical Fasteners</b>	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)	MSS (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)
<b>Belt Width*</b>	450 – 1800 mm (18" – 72")	600 – 2100 mm (24" – 84")	600 – 2100 mm (24" – 84")	600 – 2400 mm (24" – 96")	600 – 2400 mm (24" – 96")	600 – 2400 mm (24" – 84")	450 – 1800 mm (18" – 72")	450 – 1800 mm (18" – 72")	450 – 1350 mm (18" – 54")	450 – 2100 mm (18" – 84")	450 – 2100 mm (18" – 84")
<b>Belt Speed**</b>	3.5 m/sec (<700 fpm)	5.0 m/sec (<1000 fpm)	5.0 m/sec (<1000 fpm)	6.0 m/sec (<1200 fpm)	6.0 m/sec (<1200 fpm)	5.0 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 (<1000 fpm)	6.0 m/sec (<1200 fpm)
<b>Temperature Range</b>	-35 to 93°C (-30 to 200°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 (-30 to 180°F)
<b>Reversing Belts</b>	No	No	No	Yes	Yes	Yes	No	No	No	No	No
<b>Mechanical Fasteners</b>	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes

Application Description	U-Type (V-Blade)	R-Type® (C-Tip)	R-Type (V-Tip)	EZS2 High Temp	Chevron
<b>Belt Width*</b>	450 – 2100 mm (18" – 84")	450 – 1800 mm (18" – 72")	450 – 1800 mm (18" – 72")	450 – 1800 mm (18" – 72")	450 – 1500 mm (18" – 60")
<b>Belt Speed**</b>	6.0 m/sec (<1200 fpm)	5.0 m/sec (<1000 fpm)	5.0 m/sec (<1000 fpm)	3.5 m/sec (<700 fpm)	2.5 m/sec (<500 fpm)
<b>Temperature Range</b>	-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 400°F)	-35 to 82°C (-30 to 180°F)
<b>Reversing Belts</b>	No	Yes	Yes	No	Yes
<b>Mechanical Fasteners</b>	No	Yes	No	Yes	Yes

\*Special sizes available upon request.

\*\*Belt speeds can be higher in vulcanized applications.



# FLEXCO PRECLEANERS

## FEATURES & APPLICATIONS



### EZIP1 Rockline Precleaner

- Standard-duty, with 60 mm (2 3/8") diameter pole
- Visual tension check
- Requires just 102 mm (4") of horizontal clearance
- Do-it-yourself installation and minimal maintenance

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

Pulley Diameter from 250 - 300 mm (10" - 36")

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\* - 3.5 m/sec (700 fpm)

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

Applications - Phosphate, Potash, Salt



### MSP Standard Mine-Duty Precleaner

- Standard Mine-Duty, with 73 mm (2 7/8") diameter rugged pole design
- Do-it-yourself installation and easy maintenance
- Visual tension check
- Highly effective cleaning

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

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

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



Optional PAT Tensioner



### 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\* - 5.0 m/sec (1000 fpm)

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

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



### High-Temp EZIP1 Precleaner

- Standard-duty, solid-blade design rated up to 135° C (275° F)
- Visual tension check
- Requires just 102 mm (4") of horizontal clearance
- Do-it-yourself installation and minimal maintenance
- Can handle temperature spikes to 163° C (325° F)

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

Pulley Diameter from 250 - 300 mm (10" - 36")

Applications - Coke, Clinker, Cement, Asphalt

Cleaner Key:

● WET

● DRY

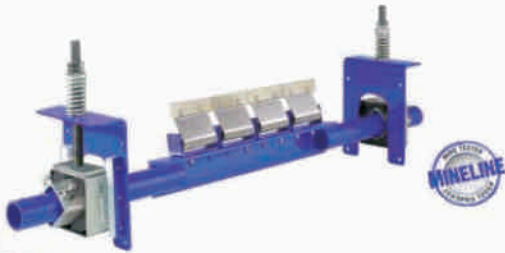
● HIGH TEMPERATURE

● STICKY

● CORROSIVE

# FLEXCO SECONDARY CLEANERS

## FEATURES & APPLICATIONS



### 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 – 6.0 m/sec (1200 fpm)

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 – 6.0 m/sec (1200 fpm)

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



### R-Type Reversing Secondary Cleaner

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



### 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 – 2.5 m/sec (500 fpm)

Applications – Wood Chipping, Sand



### EZS2 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\* – 3.5 m/sec (700 fpm)

Applications – Aggregate, Sand & Gravel, Cement

Cleaner Key:

● WET

● DRY

● HIGH TEMPERATURE

● STICKY

● CORROSIVE

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 450 – 2100 mm (18" – 84")*



**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 450 – 2400 mm (18" – 96")*

## 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 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.



### 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'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.



Partners in Productivity

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