

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

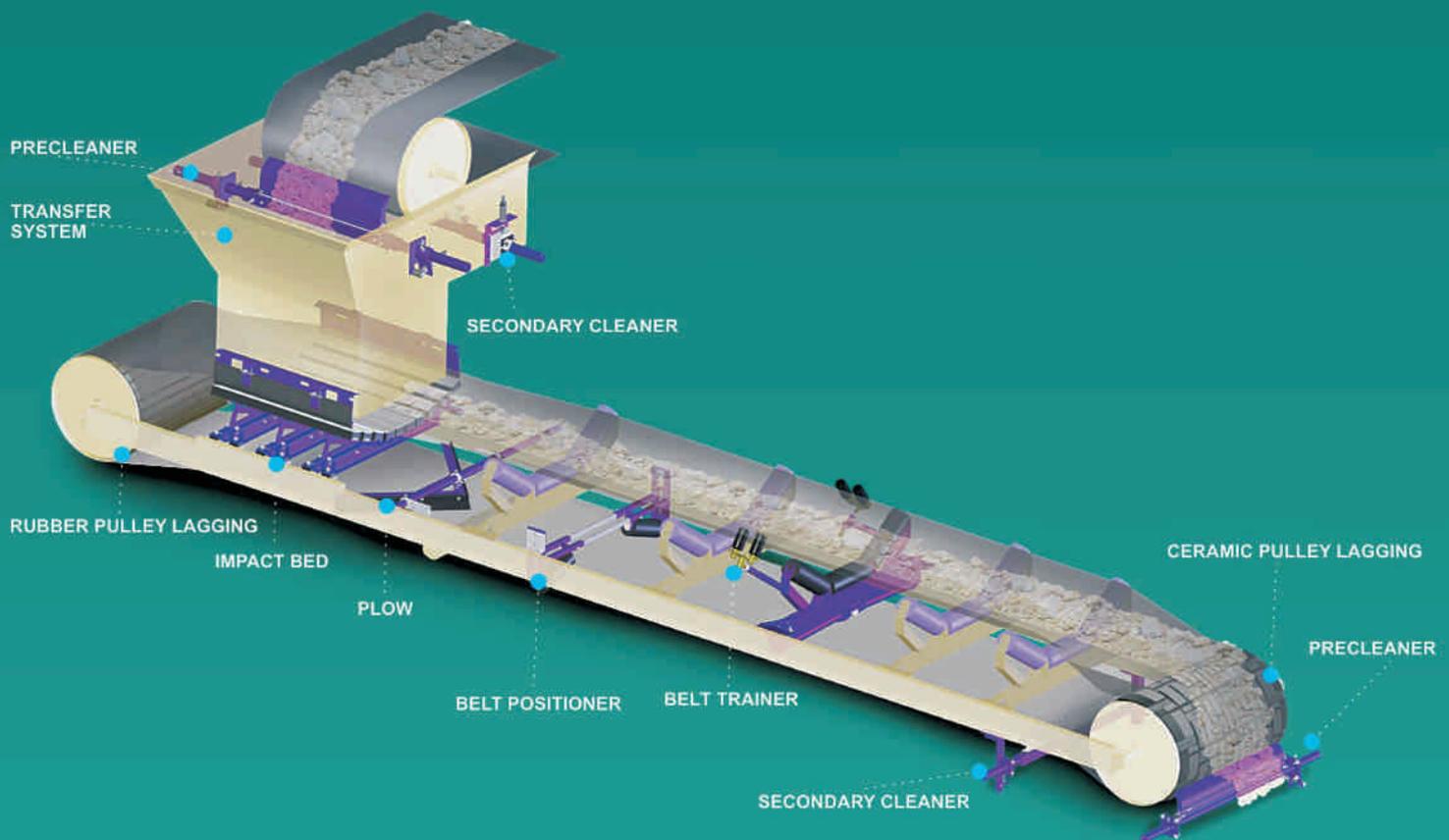
Occurs when the head pulley is not adequately gripping the belt due to a loss of friction. To combat slippage, we offer:

- 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



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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 belt trainer for your needs

Conveyor Criteria	Belt Positioner™	PT Smart™	PT Pro™ Return Side	PT Max™	PT Max™ Heavy Duty
Top Side Mistracking	No	No	No	Yes	Yes
Return Side Mistracking	Yes	Yes	Yes	Yes	Yes
Reversing belts	Yes	No	Yes	No	No
Belts mistracking to one side	Excellent	Excellent	Excellent	Excellent	Excellent
Belts mistracking to both side	Poor	Excellent	Excellent	Excellent	Excellent
Inconsistent tracking problem	Good	Excellent	Excellent	Excellent	Excellent
Belt is cupped (heavy)	Good	Good	Good	Excellent	Excellent
Belt has low running tension	Poor	Excellent	Good	Good	Good
Belt has medium running tension	Good	Excellent	Excellent	Excellent	Excellent
Belt has high running tension	Good	Good	Good	Excellent	Excellent
Approx. "upstream" effect*	50'(15 M)	20'(6 M)	20'(6 M)	20'(6 M)	20'(6 M)
Approx. "downstream" effect*	50'(15 M)	120'-150' (36-45 M)	100' (30 M)	150'-200' (45-61 M)	150'-200' (45-61 M)

*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: 210 kN/m (1200 PIW)

Belt Dimensions: From 450 – 2400 mm (18" – 96") 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
- Specially designed to fit underground conveyors

Maximum Belt Tension: 1600 PIW

Belt Dimensions: For belt width + 3" (75 mm) roller and up to 1" (25 mm) thick



PT Pro™

- Tapered rolls activate the "pivot and tilt" motion to track the belt
- Works on single direction or reversing belts
- Simple mounting brackets for easy installation, plus adjustment screw to fine-tune for optimal performance
- Ideal for belts with edge damage

Maximum Belt Tension: Standard Duty 1600 PIW

Heavy Duty 1200-2400 PIW

Belt Dimensions: Standard Duty 450-1800mm

Heavy Duty 1200-2400mm



PT Max™ Return Side

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

Maximum Belt Tension 526 kN/m (3000 PIW)

Belt width from 800, 1000, 1200, 1400, 1600, 1800 mm-

It is also available in Heavy Duty model for belt rating 1051Kn/m (6000.PIW)

max tension for belt width from 1800, 2000 and 2100mm



PT Max™ Top side

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

Maximum Belt Tension 526 kN/m (3000 PIW)

Belt width from 800, 1000, 1200, 1400, 1600, 1800 mm-

It is also available in Heavy Duty model for belt rating 1051Kn/m (6000.PIW)

max tension for belt width from 1800, 2000 and 2100mm.



PT Max™ V Return

- Ideal for the highest 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 526 kN/m (3000 PIW)

Belt width From 800, 1000, 1200, 1400, 1600, 1800 mm-

It is also available in Heavy Duty model for belt rating 1051 Kn/m (6000 PIW)

max tension for belt width from 1800, 2000 and 2100mm

FLEXCO IMPACT BEDS

FEATURES & APPLICATIONS

It's the Structure, Not the Bars

Flexco's DRX™ Impact Beds are designed with one simple goal: protect the belt. How we meet that goal is revolutionary. We've engineered superior belt protection into the entire structure - not just the bars. Sturdy components, robust construction and convenient maintenance make our line more durable and efficient.

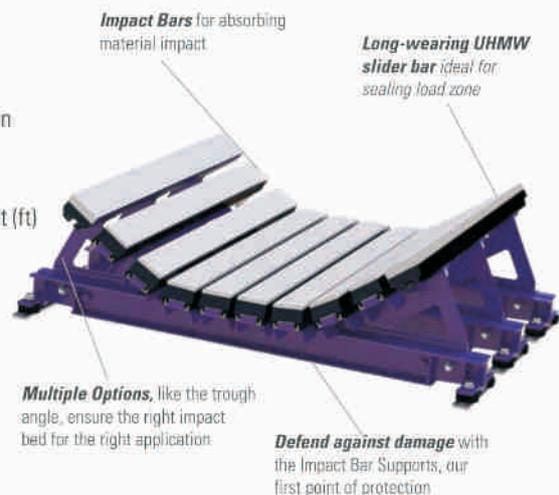
Features and Benefits

- **Protect the belt:** The Velocity Reduction Technology, including Impact Bar Supports and the Isolation Mounts, ensure a level of protection unlike any other. Less belt wear and damage, less rebounding and material degradation, and two levels of impact-absorbing force reduction.
- **Unmatched serviceability:** The DRX beds separate in the middle, allowing the two sides to slide apart and out. This provides direct access to all the bars and bolts for quick, easy and safe maintenance.
- **Application-specific options:** Whether it's low-impact applications like sand and gravel or high-impact applications like coal-fired power plants, coal prep plants and load-out facilities, the DRX 1500 can meet your specific needs.

Specifications and Guidelines

- **Maximum Belt Speed**
1000 FPM (5M/sec)
- **Impact Bar Material**
UHMW Polyethylene, rubber cushion and aluminum extrusion
- **Impact Energy**
Max Lump Weight (lb) x Drop Height (ft)
(100 to 200 Kg-m) 750 to 1000 lb-ft
- **Max Temperature Rating**
-40° F to 180° F (-40° C to 82° C)
- **Available for Belt Widths**
24" to 72" (600 to 1800mm)
- **Tonnage Rating**
See tables below

DRX 1500 Impact Bed



Ordering Information

DRX1500			4' Beds, 20° Trough	4' Beds, 35° Trough	5' Beds, 20° Trough	5' Beds, 35° Trough
Belt Width		Tonnage Rating (short tons/hr)	Ordering Number	Ordering Number	Ordering Number	Ordering Number
in.	mm					
24	600	12800	DRXH-24-420	DRXH-24-435	DRXH-24-520	DRXH-24-535
30	750	12800	DRXH-30-420	DRXH-30-435	DRXH-30-520	DRXH-30-535
36	900	14900	DRXH-36-420	DRXH-36-435	DRXH-36-520	DRXH-36-535
42	1050	19200	DRXH-42-420	DRXH-42-435	DRXH-42-520	DRXH-42-535
48	1200	21300	DRXH-48-420	DRXH-48-435	DRXH-48-520	DRXH-48-535
54	1350	25600	DRXH-54-420	DRXH-54-435	DRXH-54-520	DRXH-54-535
60	1500	27700	DRXH-60-420	DRXH-60-435	DRXH-60-520	DRXH-60-535
72	1800	29900	DRXH-72-420	DRXH-72-435	DRXH-72-520	DRXH-72-535

Simple and Effective Protection in the Load Zone

Flexco® Impact Beds are designed to offer a simple and effective means of protecting the belt in the load zone. Specification and installation of the bed is made easier with adjustable trough angles, while still providing the rugged durability found with all Flexco products. This series features universal components that result in an effective, yet affordable, solution.

Flexco Medium-Duty Impact Bed (EZIB-M)

- Features adjustable trough frames for use on 20°, 35° or 45°
- For medium-impact applications
- Recommended for -203mm to -254mm (-8" to -10") materials
- Available with short lead time
- Bed Rating: 25 to 100kg-m (200 to 750 lb-ft), Maximum Belt Speed: 5.0 m/sec (1000 fpm)
- Applications: Hard Rock Mining, Limestone Quarrying

Features and Benefits

- **Protect the belt:** 3" (75mm) rubber and UHMW impact bars effectively absorb the impact from falling material, while the long-wearing UHMW outer slider bar seals the load zone.
- **Ease of service:** Simply lower troughing angles to provide easy access to the bars and bolts for quick and safe maintenance.
- **Options and ease of specification:** Available in both light duty and medium duty options, with adjustable trough angles at 20°, 35°, 45°, the Flexco Impact Beds are designed to complement Flexco's HD DRX Impact Beds
- **Family of products:** Can be paired with the Flexco Slider Beds to create a holistic load zone system

Specifications and Guidelines

- **Maximum Belt Speed** 1000 FPM (5M/sec)
- **Max Temperature Rating** -40° F to 180° F (-40° C to 82° C)
- **Slider Bar Material** UHMW Polyethylene and aluminum extrusion
- **Impact Bar Material** UHMW Polyethylene, rubber cushion and aluminum extrusion
- **Available for Belt Widths** 24" to 72" (600 to 1800mm)
- **Impact Energy** Max Lump Weight (lb) x Drop Height (ft) 200 to 750 lb-ft (25 to 100 kg-m) EZIB-M
- **Tonnage Rating** See tables below

EZIB-M



Ordering Information

Flexco Impact Bed with Impact Bars Medium Duty			
Belt Width		Tonnage Rating (Short tons/hr)	Ordering Number
in.	mm		
24	600	8100	EZIB24-4M
30	750	8100	EZIB30-4M
36	900	9600	EZIB36-4M
42	1050	12200	EZIB42-4M
48	1200	13600	EZIB48-4M
54	1350	16300	EZIB54-4M
60	1500	17600	EZIB60-4M
72	1800	19000	EZIB72-4M



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