

## Conveyor Primary Belt Cleaning System Range



Optimal site availability and productivity relies on keeping conveyor belts moving constantly, efficiently and with minimal shutdowns.

The issue of **material carryback**, commonly referred to as any excess fugitive material that sticks to the underside of the return belt beyond the discharge point at the head pulley is a leading cause of conveyor system inefficiencies. Material carry back has the potential to cause serious operational problems such as risk to personal safety and belt misalignment.

**Conveyor Primary Belt Cleaners play a vital role in keeping conveyor belts running smoothly and efficiently.**

Kinder Australia's comprehensive range of Primary Conveyor Belt Cleaning Systems are suitable for use in all diverse bulk materials handling industries, including the most demanding and harshest coal and metals mining applications.

### Key Benefits:

- Removes excessive carry back whilst reducing belt wear.
- Extends service life of belt.
- Reduces cleaning up costs and maintenance issues.
- Improves overall site performance.
- Improves safety and environmental impacts.



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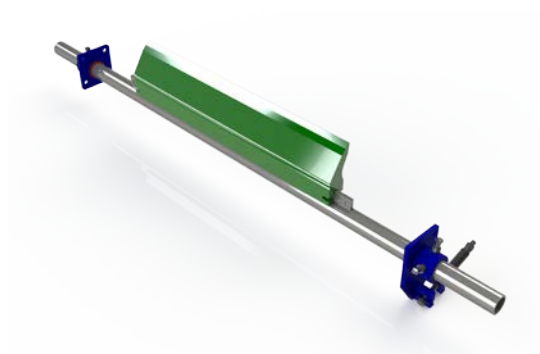
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## Conveyor Primary Belt Cleaning System Range

### Eraser PQ™ Primary Belt Cleaner



Ideally suited for pit and quarry applications, this cost-effective belt cleaning system is designed for performance and reliability. The system features a simple, effective and easy to install spring tensioning unit and the **152mm tall polyurethane blade** utilised requires minimal to no maintenance.

#### Features:

- Economical yet designed for performance and reliability.
- Single pin blade attachment means quick and simple blade change out with less downtime.

### Micro Eraser™ Primary Belt Cleaner



Lightweight in design, reliable, powerful and proven cleaning performance to match, this belt cleaning system is ideally suited for portable equipment with tight clearance restrictions. The system has a very compact mounting footprint with only a 114mm protrusion from the mounting structure and a highly effective cleaning performance delivered by the **152mm tall polyurethane blade**.

#### Features:

- 6mm thick, 51mm x 51mm tube stock steel mainframe and corrosion-resistant, powder-coated stub ends.
- Perma-Torque™ internal central tensioner, adjustable from 7 to 27 Nm resulting in uniform cleaning pressure to the conveyor belt.
- Single pin blade attachment means quick and simple blade



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## Conveyor Primary Belt Cleaning System Range

### Eraser EPQ<sup>TM</sup> Primary Belt Cleaner



Ideally suited for pit and quarry applications, this cost-effective belt cleaning is designed for performance and reliability at the core. This system incorporates the same simple, effective and easy to install spring tensioning unit as the Eraser PQ<sup>TM</sup> with a **184mm tall polyurethane Raptor blade** requiring minimal to no maintenance.

#### Features:

- Single pin blade attachment means quick and simple blade change out with less downtime

### Eraser<sup>TM</sup> Primary Belt Cleaner



Designed to handle the most demanding applications with ease and efficiency, this proven effective belt cleaning system is equipped with a **184mm tall polyurethane blade**. It's also designed to handle most conveyor cleaning with 6mm thick, 76mm x 76mm powder-coated tube stock steel maintenance and corrosion-resistant, galvanised Schedule 80 pipe stub ends for superior strength and durability.

#### Features:

- Compact mounting footprint only protrudes 127mm from mounting structure.
- Perma-Torque<sup>TM</sup> internal central tensioner provides uniform cleaning pressure to the conveyor belt.
- Brightly colored yellow end caps seal the Safe Torque<sup>TM</sup> ratchet from dust and water contamination.
- Single pin blade attachment means quick and simple blade change out with less downtime.



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## Conveyor Primary Belt Cleaning System Range

### Eraser HD™ Primary Belt Cleaner



Design with superior strength and durability in mind, this belt cleaning system is suitable for use on conveyors with crowned head pulleys and to withstand heavy vibrations. The system incorporates a reinforced mainframe and a heavy-duty channel attachment design. The effective cleaning performance is delivered by the systems heavy duty **178mm tall polyurethane blade**.

#### Features:

- Blade lengths available in 152mm.
- Perma-Torque™ internal central tensioner, adjustable from 27 to 108 Nm resulting in uniform cleaning pressure to the conveyor belt.
- Compact mounting footprint only protrudes 127mm from mounting structure.
- Brightly coloured safety yellow end caps seal the Safe Torque™ ratchet from dust and water contamination.

### Super Eraser HD™ Primary Belt Cleaner

Channel Mount Version of the Super Eraser™



Designed for extreme strength and durability this belt cleaning system utilises segmented blade technology, large **269mm tall polyurethane blade** and 6mm thick, 89mm x 89mm tube stock steel mainframe and corrosion-resistant, galvanised Schedule 160 pipe stub ends to handle the harshest environments. Ideally used for conveyors with large crowned head pulleys, big loads, harsh conditions and/or fast belt speeds.

#### Features:

- Segmented blade lengths available in 152mm, 305mm and 457mm which can be used for any combination more effective cleaning.
- Perma-Torque™ internal central tensioner, adjustable from 40 to 183 Nm resulting in uniform cleaning pressure to the conveyor belt.
- Compact mounting footprint only protrudes 140mm from mounting structure



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## Conveyor Primary Belt Cleaning System Range

### Super Eraser™ Primary Belt Cleaner



Built for high speed, high tonnage belt applications, this belt cleaning system delivers an extremely effective cleaning performance from the **305mm polyurethane Raptor blade** and rugged 6mm, 89mm x 89mm box steel mainframe. Suitable for use on conveyors with large head pulleys, big loads and the harshest mining applications

#### Features:

- Compact mounting footprint only protrudes 140mm from mounting structure.
- Perma-Torque™ internal central tensioner, adjustable from 40 to 183 Nm resulting in uniform cleaning pressure to the conveyor belt.
- Safety yellow coloured end caps seal the Safe Torque™ ratchet from dust and water contamination.
- Single pin blade attachment means quick and simple blade change out with less downtime.

### Eraser SHD™ Primary Belt Cleaner



Ideally suited for use on conveyors with large head pulleys, big loads, harsh conditions and/or fast belt speeds. Abrasive mining environments are no match for the belt cleaning system's **286mm polyurethane blade**, longer lasting 6mm thick, 89mm x 89mm tube stock steel mainframe and corrosion-resistant, powder-coated stub ends for added durability.

#### Features:

- Comes with replaceable tip blade, means quick blade change out with less downtime.
- Compact mounting footprint only protrudes 140mm from mounting structure.
- Perma-Torque™ internal central tensioner, adjustable from 40 to 183 Nm resulting in uniform cleaning pressure to the conveyor belt.



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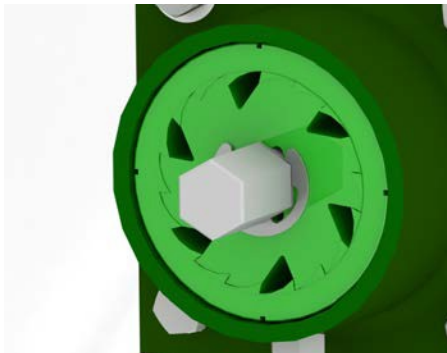
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## Conveyor Primary Belt Cleaning System Range

### Blade Durometer Selection Guide

Formula / Durometer Colour	Application	Material	Temperature
<b>ETHER 62 (N62)</b>	Normally used for extremely wet applications, sands & fines	Lots of liquid on belt, sand or slurry	-40°C to 80°C
<b>ETHER 80 (R80)</b>	Good for wet applications with any pH level	Fine particles including sand, grain, 10mm minus washed materials	-40°C to 105°C
<b>ESTER 83 (G83)</b>	Our standard, high abrasion-resistant all-purpose cleaning blade	Most sand and gravel materials, coal, ores	-40°C to 105°C
<b>ETHER 90 (U90)</b>	Good for dry applications with any pH level	40mm washed / finished product. Wood chips, cement, limestone, grain, sugar, clay or other sticky material	-25°C to 105°C
<b>ESTER 93 (B93)</b>	Our high temperature cleaning blade	Extremely coarse aggregate, asphalt, recycled materials, glass, higher temp, sticky applications	-25°C to 120°C Up to 150°C intermittent
<b>FRAS (RU83)</b>	Flame-retardant, anti-static, cleaning blade.	Coal mining and coal-fired power plants	-40°C to 105°C
<b>FLAME RETARDANT (Foxx) - CAN BE ANY DUROMETER</b>	MSHA approved, FrontLine® flame-resistant cleaning blade	Flame retardant urethane (can be any durometer or formula)	Temp. varies depending on the durometer
<b>CERAMIC (CALL FOR AVAILABILITY)</b>	Good for very cold, winter applications or frozen materials		Temp. varies depending on the durometer, typically G83

### Safe Torque™ Ratchet System



Uniquely designed solid urethane ratchet style adjustment device, specifically designed to work in conjunction with the Patented Perma-Torque™ tensioning system.

#### Features:

- Ability to tension a conveyor belt cleaning system using one hand.
- Safer operation, with no kickback or pins.
- Easier to tension and useful in confined areas.
- Corrosion resistant.  
Provides complete sealing



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## Conveyor Primary Belt Cleaning System Range

### SPECIFICATIONS

	Eraser PQ <sup>TM</sup>	Micro Eraser <sup>TM</sup>	Eraser EPQ <sup>TM</sup>	Eraser <sup>TM</sup>
<b>Max Belt Speed **</b>	2.5 m/s	2.5 m/s	2.5 m/s	3 m/s
<b>Pulley Diameter (PD)</b>				
Minimum	203 mm	203 mm	406 mm	406 mm
Maximum	508 mm	508 mm	610 mm	813 mm
Maximum Belt Width	1500 mm	1500 mm	1500 mm	2000 mm
Tensioner	Spring	Pin Style	Spring	Safe Torque <sup>TM</sup>

	Eraser HD <sup>TM</sup>	Super Eraser HD <sup>TM</sup>	Super Eraser <sup>TM</sup>	Eraser SHD <sup>TM</sup>
<b>Max Belt Speed **</b>	3 m/s	7 m/s	4 m/s	6 m/s
<b>Pulley Diameter (PD)</b>				
Minimum	406 mm	610 mm	610 mm	610 mm
Maximum	1219 mm	1524 mm	1524 mm	1524 mm
Maximum Belt Width	2600 mm	3000 mm	3000 mm	3000 mm
Tensioner	Safe Torque <sup>TM</sup>	Safe Torque <sup>TM</sup> HD	Safe Torque <sup>TM</sup> HD	Safe Torque <sup>TM</sup> HD

\*\* Contact Kinder Australia for faster belt speed solutions



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