

CONVEYORPRO

EVERYTHING CONVEYORS





1987

THE YEAR TRANSMIN WAS
FOUNDED



ONE RANGE

FROM BELTING & PULLEYS,
TO SCRAPERS & GUARDING



END-TO-END

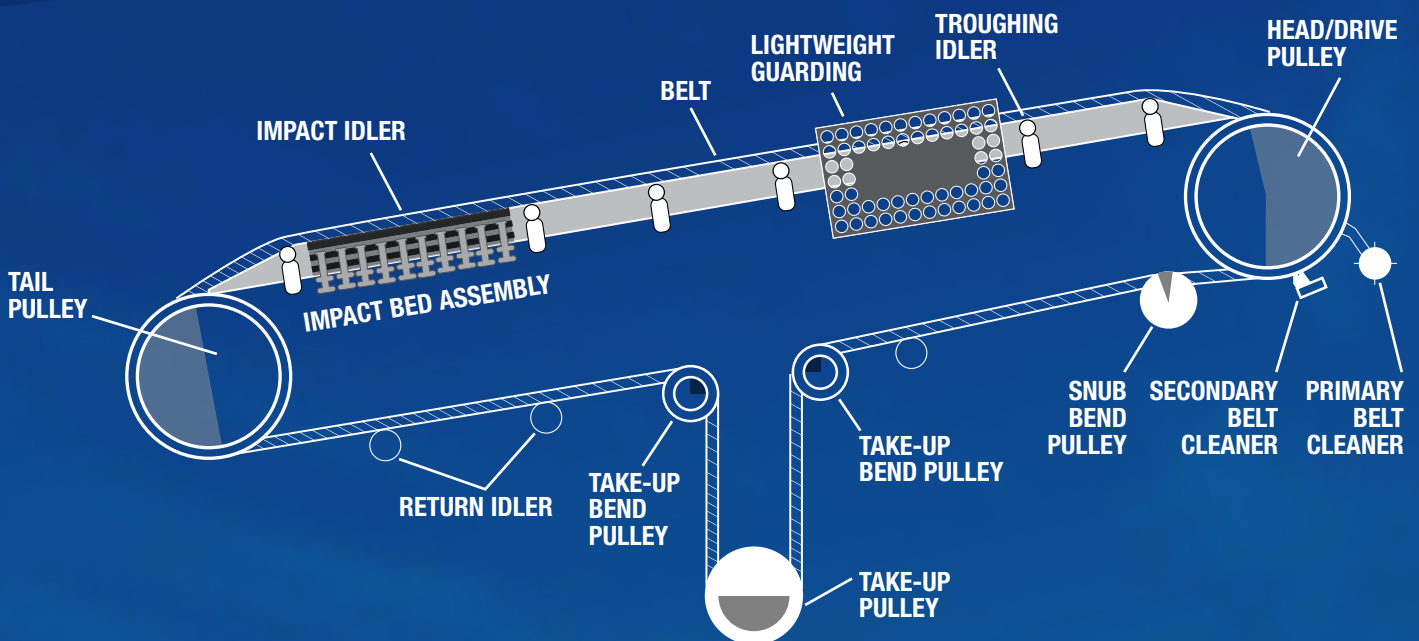
FULL LIFE CYCLE SUPPORT
FROM ENGINEERING TO SERVICE



DECADES OF EXPERTISE. UNMATCHED RELIABILITY. TAILORED FOR YOU.

Meet ConveyorPro, the ultimate conveyor solution from Transmin. Backed by 30 years of trusted industry experience, ConveyorPro brings components, installation, maintenance and engineering expertise together under one roof. From belting and pulleys, to scrapers and guarding, ConveyorPro delivers everything you need to keep operations running smoothly, efficiently and without compromise.

With a strong commitment to safety, reliability and efficiency, ConveyorPro has earned a reputation for high-performance conveyor solutions tailored to each operation. From concept through to ongoing support, ConveyorPro is your trusted partner in end-to-end conveyor performance and innovation.





HARD WEARING. HIGH QUALITY. RELIABLE.

ConveyorPro is a global supplier of high quality conveyor belt, with widths ranging from 300mm to 4m. All our conveyor belt is laboratory tested, assuring our customers, our conveyor belt is not only compliant but will exceed both life cycle and budget expectations.

ConveyorPro supplies to all industries and with a product range from rubber matting to high volume and high tensile conveyor belt, ConveyorPro is your sole source supplier for all of your conveyor needs, we sell and service all aspects of conveying including design.

BELT TYPES

- ▶ ProTough
- ▶ ProEDGE
- ▶ Steel cord
- ▶ Multipliy fabric
- ▶ Bucket elevator
- ▶ Corrugated side wall
- ▶ Fire resistant
- ▶ Chevron
- ▶ Rip stop
- ▶ Heat resistant
- ▶ Chemical resistant



SPECIALISED CONVEYORPRO BELT

PROTOUGH

The toughest conveyor belt in the known market.

Benefits of ProTOUGH:

- ▶ ConveyorPro's maximum strength belt ideal for hard-rock mining, quarrying and recycling industries.
- ▶ Made up of hybrid kevlar and steel mesh composite with special grade anti-abrasive, cut and gouge resistant cover, allowing it to withstand high impact rock falls over 3m.
- ▶ Tensile strength exceeds DIN, ISO, US and AS Standards Nominal strength over >500 N/mm.
- ▶ Reduces site labour and downtime repair costs.



PROEDGE

High strength, all-in-one edge strip solution for Transmin LPFs and conventional belt feeders.

Benefits of ProEDGE:

- ▶ Vastly superior strength compared to conventional glued edge strip – up to 700N before signs of fatigue (90N for conventional).
- ▶ All-in-one belt with pre-supplied hot vulcanised edge strip – no need for separate gluing.
- ▶ Reduces site labour and downtime repair costs.
- ▶ Edging minimises spillage and keeps material away from track and componentry.



IDLERS & ROLLERS

ConveyorPro supplies a wide range of idler assemblies to suit most conveyor applications – engineered according to the highest industry standards.

ConveyorPro frames and brackets are all hot dip galvanised, to AS NZS-4680, for greater corrosion resistance and durability in a wide range of surface and underground environments.

TYPES OF ROLLERS & IDLERS

CARRYING ROLLERS

Carry idlers support the belt in the section of the conveyor that transports the material. These idlers may be flat or troughed to shape the belt to prevent spillage and are available in 20°, 35° and 45° trough angles with equal or unequal roll lengths.

SPIRAL

Single directional and used where sticky materials adhere to the belt, where a corrosive environment is present or abrasive wear is a problem.

IMPACT IDLERS

ConveyorPro impact idlers are designed to provide a cushioning effect and prevent

damage to the belt at the loading point. These idlers may be troughing or flat types with grooved, moulded rubber rolls.

RETURN IDLERS

ConveyorPro carrying belt training idlers assists in keeping the belt centered on the conveyor. Actuating shoe type is used on belt in either direction.

ADJUSTABLE IDLERS

ConveyorPro return belt training idlers are used for the same purposes as are carrying training idlers.



PULLEYS & LAGGING

ConveyorPro partners with leading pulley and lagging manufacturers, worldwide, with the view to provide our customers with the most cost effective and quality products, ensuring maximum life and minimal downtime. Our range means we can supply you with any type of pulley and lagging.

ConveyorPro's experienced service team can repair your existing pulleys, saving you time and money, as well as install your new pulleys. We can supply you with any type of repair kit or tooling you need to maintain and repair your conveyor systems, ensuring smooth running operations.

TYPES OF PULLEYS

- ▶ Drive/head pulleys
- ▶ Idler pulleys
- ▶ Return/tail pulleys
- ▶ Snub pulleys
- ▶ Take-up pulleys
- ▶ Bend pulleys

ConveyorPro pulleys can be engineered and constructed to suit your specific bulk material application or selected from our standard pre-engineered range. The shells are normally made from heavy wall

pipe but can also be rolled to suit specific requirements. Stainless steel pulleys are also available.

Our recommended method for shaft-to-end disc fitting is by internal locking elements which provide a demountable key-less high torque connection. The easy release capability permits the removal of the shell from the shaft for maintenance. Other types of shaft connections are available and these include compression hub, taper fit, or welded shaft for the less critical applications.

GuardlitePro

Transmin ConveyorPro brings you GuardlitePro. A lightweight, superior grade UHMWPE guard to suit a variety of conveyors in heavy-duty mining and mineral processing applications.

Specifically designed to meet the Australian standard requirements of AS4024.3610, AS4024.3611, AS4024.3612 & AS4024.1.SERIES, focusing on safety by reducing the weight of the guards by up to 50%, simplifying the design, improving the method of securing and handling, reducing overall maintenance, and introducing the ability to recycle.

GuardlitePro

- ✓ Up to 50% lighter than steel guards - single person lift
- ✓ Save maintenance time and costs
- ✓ Rust and corrosion free
- ✓ Chemical resistant
- ✓ Flame/ fire resistance (100% fire-proof available on request)
- ✓ 100% recyclable
- ✓ Metal detector-friendly
- ✓ Ergonomic carry-handles
- ✓ Strongest design available in the market
- ✓ Complying with Australian Standards
- ✓ Custom-designed to almost any application



IMPACT TABLE/BEDS

Transmin and Martin Engineering have teamed up, to provide innovative and effective solutions of falling material in loading zone of belt conveyors.

ConveyorPro impact beds are useful to safeguard conveyor belt from excessive wear/tear and its structure by absorbing impact energy of falling material in loading zone of belt conveyor.

MATERIALS

- ▶ Impact Bars – Top layer of UHMW material for low friction with belt & base layer of Urethane for better energy absorption.
- ▶ Frame – Structural steel.
- ▶ Surface protection for frame – Powder coated or Hot Dip Galvanised.



IMPACT BED PRODUCT RANGE

Belt Width	Belt Trough Angle	Module Length	Number of Bars	Duty
From 500mm to 2400mm	20° to 45°	1200mm & 1500mm	6 to 19	Light Medium Heavy



BELT CLEANERS

ConveyorPro global sourcing means we provide primary and secondary belt scrapers and cleaners to suit all applications. We partner with world leading belt scraper/cleaner manufacturers to give you the advantage. Choose from local Australian ingenuity or International excellence, whatever your requirements.

ConveyorPro scrapers are spring-tensioned for optimal belt contact and cleaning efficiency that have a seamless interface. Our products have universal mounting plates for easy installation on chutes or open-head conveyors that require simple maintenance and only 100mm of horizontal clearance.

CLEANER TYPES

- ▶ Drive/head pulleys
- ▶ Primary conveyor belt cleaners
- ▶ Secondary conveyor belt cleaners
- ▶ Vee plow conveyor belt cleaners
- ▶ Diagonal conveyor belt cleaners
- ▶ U-type conveyor belt cleaners
- ▶ Spiral conveyor belt cleaners
- ▶ Rotary brush conveyor belt cleaners
- ▶ Reversing conveyor belt cleaners
- ▶ V Plough Cleaners
- ▶ Diagonal Plough Cleaners



TRACKING & SKIRTING



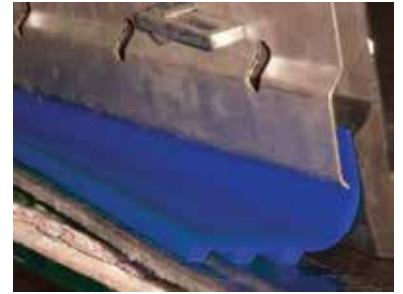
ConveyorPro partners with leading skirting systems around the world, from generic to special execution systems.

Our range of skirting fits all, and our duty to you as a technical solution provider always comes in handy, when choosing over a variety of brands.

These products are engineered to minimize fugitive dust and fine particulates from escaping the belt. Our belt sealing products are available for troughing angles ranging between 0 and 45 degrees. Plus, the compact design enables installation with as little as 1¼ inch of free space on each side of the belt.

TRACKING & SKIRTING TYPES

- ▶ Individually adjusting skirting to fit contour of belt
- ▶ Standard quick changeout skirting
- ▶ Hard and soft skirting
- ▶ Hard and poly-skirting with vacuum operation



BELT TOOLING & ACCESSORIES



Safe conveyor belt maintenance starts with choosing the right tools. Choose from our selection of belt maintenance products including belt clamps, belt cutters, belt lifters, belt squares and belt skivers — all with built-in safeguards to help prevent on-the-job injuries.



TOOLING

- ▶ Alligator staple system
- ▶ Baler belt skiver
- ▶ Belt clamps
- ▶ Belt lifters
- ▶ Belt ploughs
- ▶ Electric belt cutters
- ▶ Lacing
- ▶ Rivet hinged system
- ▶ Rivet solid plate system

ACCESSORIES

- ▶ Polyurethane repair materials
- ▶ Splice kits
- ▶ Belt protection systems
- ▶ Pulley lagging
- ▶ Adhesives
- ▶ Trackers
- ▶ Tramp magnets
- ▶ Skirting systems

SERVICE

ONSITE/OFFSITE CAPABILITIES

Transmin's dedicated and highly trained service division supports materials handling operations worldwide.

Regular servicing for your equipment is the best way to ensure that your equipment performs efficiently and goes the distance in the harsh environments they work in to maximise your investment and avoid expensive unplanned downtime.

Transmin can play an active role through the life of your machinery from installation, commissioning, preventative/ongoing maintenance, troubleshooting, design, and process change upgrades, rebuilds to decommissioning and replacement with new Transmin equipment (some of our original equipment is still being serviced by our technicians after 25years of service).

Transmin provide comprehensive servicing of both Transmin and third party OEM equipment. Provided is a range of site maintenance and plant optimisation services, including:

- ▶ Shutdown and breakdown maintenance support
- ▶ Preventative maintenance planning and execution
- ▶ Inspections and field audits
- ▶ Engineering support services
- ▶ Technology and design upgrades
- ▶ Major equipment overhauls and refurbishments on site and in our workshop

Transmin can accommodate a variety of site equipment in our purpose-built facilities based in Malaga, Western Australia. Our large fully equipped workshop is suitable for heavy assembly and fabrication with dedicated servicing and testing of mechanical and hydraulic equipment.

Transmin Service staff are also highly experienced in field maintenance, installation and commissioning for when it makes more sense to bring Transmin to the machine.

The range of equipment we service includes:

- ▶ Apron and belt feeders
- ▶ Conveyors
- ▶ Screw drag chain conveyors



Case Study:

ENHANCING CONVEYOR BELT DURABILITY IN CHALLENGING ENVIRONMENTS



Location:
Newman, Western Australia

Operation Type:
Iron Ore

Year:
2023

The problem:

In today's mining industry, operational efficiency is essential, particularly for clients contending with high-abrasion environments. One client encountered substantial difficulties with their conveyor belts when processing abrasive, sharp, moisture-laden ore bodies. The standard belts they were using proved inefficient, frequently needing extensive repairs or full replacements within just a month of installation.

This persistent issue not only disrupted their operations but also led to substantial financial losses due to downtime. The client recognised the urgent need for a solution that would enhance the performance and longevity of their belts, thus minimising both repair frequency and costs associated with unexpected failures.

The solution:

Transmin ConveyorPro effectively tackled this issue by thoroughly reviewing conveyor calculations to ensure the optimal belt selection for different applications. Their analysis revealed that, although the initial belt choices were adequate, further enhancements could be made by adjusting the belt properties to better match the operating conditions.

As a result, Transmin ConveyorPro recommended the ProTOUGH MA grade belt, a specialised belt designed to withstand harsh environments and deliver a durable solution for challenging conditions.

Proven performance over time:

The installation of the ProTOUGH belt took place approximately one year ago, and the results have been commendable. This innovative belt has demonstrated remarkable resilience and efficiency, making it a valuable asset to the operation.

Client feedback:

“With the continuing success of the ProTOUGH belts we've installed, we are eager to explore options for our other belts that have been experiencing premature failures on both the top and bottom covers.”

This feedback underscores the importance of not only selecting the right belt but also continually assessing and improving belt performance to mitigate failure rates and enhance operational efficiency.



STANDARD CONVEYOR BELT



AFTER INSTALLATION ProTOUGH CONVEYOR BELT



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