



# PRODUCT CAPABILITIES

conveyor products

## Total Conveyor Maintenance Solutions



### Conveyor Belt Products

- Used in Australasian Materials handling industry since early 1970's.
- Comprehensive range of tried and tested Primary and Secondary Belt cleaners, Vee-Ploughs, Skirting Systems and Tracking Devices catering to site specific applications.
- Market leader in performance of critical components. (Tungsten Carbide Blades).
- "Back to Basics" approach on high performance products coupled with market affordability.



### Belle Composite Rollers

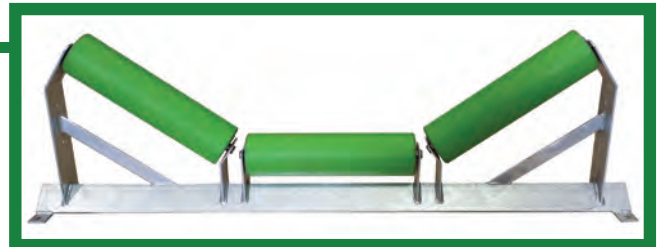


- Industry leading composite roll design technology.
- Products designed with safety and performance as a priority.
- Interchangeable design to fit all existing structures.
- Capability to hold stock sizes per customer requirements, to reduce lengthy delivery times.
- Variety of composite materials. High Density Polyethylene (HDPE), Nylon, Fire Resistant Anti-Static Nylon (FRAS). No limitations on lengths.
- FRAS Compliance AS1334.9-1982; AS1334.10-1994.
- Multiple roll diameter manufacturing capabilities: 114mm up through 196mm.
- Multiple lengths available up to 2500mm.



### Belle Steel Rolls and Frames

- Engineered design.
- State of the art manufacturing capabilities.
- Frame Materials: Mild, Galvanized and Stainless Steel.
- Inline and Offset troughing frames.
- Frames available with or without steel or composite rolls.



### Belle Pulleys



- Proven processes and designs.
- Interior welds and thermal stress relieving on all pulleys with shafts greater than 125mm at hub.
- State of the art submerged welding for both linear and circular welds.
- Smooth polished radii on shafting and end plates to avoid stress risers.
- Third party NDT testing.
- Lagging products for each application (Urethanes, Rubber and Ceramic Lagging).
- Industry leading 3 yr warranty.

#### INDUSTRIES

#### SERVED

- |   |                 |                      |                       |
|---|-----------------|----------------------|-----------------------|
| • Coal (Surface/Underground)                        | • Fertilizer    | • Crushed Stone      | • Load Out Facilities |
| • Ports   | • Sugar         | • Preparation Plants | • Potash              |
| • Salt  | • Sand & Gravel | • Cement             | • Mobile Crushing     |
| • Steel   | • Aggregate     | • Grain              | • Chemical            |
| • Hard Rock (Gold, Copper, Platinum, Iron Ore, etc) |                 |                      |                       |

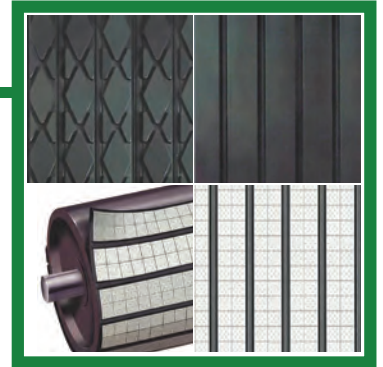
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## Total Conveyor Maintenance Solutions



### Belle Pulley Lagging

- FRAS Approved.
- Improved traction as dimples grip belt.
- Improved belt tracking due to positive grip.
- Extreme wear resistance.
- One product suits all pulley face widths.
- Reduced belt tension required due to increased coefficient of friction.
- Outstanding adhesion.
- Minimal change in rubber hardness with age.
- Tiles more resistant to cracking or “pull out”.
- Suitable for use in underground mines.
- Easy to install with less joints.



### Belle Underground Structure



- **Design considerations.**
  - Optimal availability
  - Optimal reliability
- **Complete Structures.**
  - Floor Mounted Rigid Structure
  - Roof Mounted Rigid Structure
  - Catenary Structure
- **Idler Frames.**
  - Suspended:
    - Fixed
    - Garland
  - Fixed Trough/V-Return.
    - Offset or Inline
    - Vartrough frames
    - Maingate structure
    - Flat returns
    - Retractable impact frames
    - Adjustable impact frames
    - Tracking frames
    - Suspended frames
    - Transition frames



### Belle Belt Covers

- Standard or customizable design.
- Reduces Pollution.
- Weather-Proof.
- Corrosion-Proof.
- Easily assembled.
- Easy access to belt.
- Cost effective.
- Made to fit.
- Variable hinged locking/opening options.
- Noise reduction.
- Stronger corrugated design.

- Material Choice.**
- Galvanised steel
  - Powder Coated Mild Steel

- Cover Variations.**
- Full Hood
  - ¾ hood
  - Partial Hood

- Belt Widths.**
- 600mm-3000mm



### Belle Handrails



- AS4024 Compliant (Guarding).
- Custom or Standard design.
- Weather-Proof.
- Corrosion-Proof.
- Easily assembled.
- Easy access to belt.
- Cost effective.
- Made to fit.
- Variable hinged locking/opening options.
- Easy assembly - component design.
- Light weight.
- Durable design.
- Noise reduction.

- Material Choice.**
- Mild Steel: 3.2mm or 4mm wall
  - Aluminium

- Styles.**
- Standard
  - Multi-Rail
  - Balustrade

- Finishes.**
- Mill Finish - No coating
  - Galvanized - AS/NZS 4680
  - Powder coating

**“BACK TO BASICS”  
APPROACH ON HIGH PERFORMANCE PRODUCTS**

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**Total Conveyor Maintenance Solutions**



**Belle Stairs & Walkways**

- Custom design solutions
- Design Standard – AS1657:1992
- Welding Standard – AS1554.1:2011.
- Cost effective.
- Highest quality.
- Safety is of paramount importance.

**Material Choice.**

- Steel grades.
- Stainless Steel

**Finishes.**

- Mill Finish - No coating
- Galvanised - AS/NZS 4680



**Mine Asset Performance Tracking Software**



- Asset performance tracking, inspection, reporting and maintenance scheduling made simple.
- Use of RFID technology and ruggedized PDA's to gather information. Complete paperless system.
- Allows the end user to evaluate the absolute performance of assets. (Cleaners, rolls, pulleys).
- Completely scalable where the software can be applied to other assets. (Drives, gearboxes, chutes).
- Performance of any asset automatically distributed amongst management hierarchies.



**Rubber Moulded Products**

- Screen Feed Box Liners.
- Cable Tensioned Screens.
- Conveyor Skirt Liners.
- Ceramic/Rubber Liners.
- Chute Liners.
- Shaft Housing Covers.
- Side Clamp Bars.
- Conveyor Impact Bars.
- Inflatable Liners.
- Crusher Mainframe Liners.
- Haul Truck Bed Liners.
- Classifier Wear Shoes.
- Cone & Hopper Liners.
- Custom Moulded Products.
- Screen Discharge Lip Liners.
- Crusher Feed Plates.
- Slider Bed Bars.
- Steel Backed Rubber .
- Modular Screens.
- Steel Backed Rubber Screens.
- Grizzly Bars – Double Tapered.



CONVEYOR ACCESSORIES, INC.

**Fasteners & Accessories**



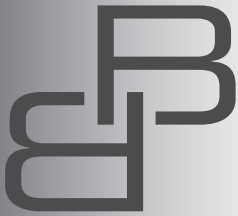
- Manufacturer of quality products in the USA for the past 30 years.
- Providing an alternative quality choice in today's competitive marketplace.
- Manufacturers of the following fasteners: Bolt Solid Plate, Rivet Hinged, staple and lacing.
- Manufacturers and providers of universal tooling and accessories; Fastener installation tools, belt cutters, belt skivers and belt clamps.

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## Company History and Product Capabilities

Belle Banne Conveyor Products is a 100% privately owned Australian company. Belle Banne Conveyor Products was established in 2009, with over 60 years combined employee experience in the materials handling industry in both Australia and abroad.

The Belle Banne brand is synonymous with performance, and the original product has served the market successfully for over thirty years, and despite numerous imitations, is still the brand leader in terms of performance, life and value.

