

# Capability Statement

16 Feb 2018

# CONVEYOR PRODUCTS AND SOLUTIONS PTY LTD

## INDUSTRIES SERVED

MANUFACTURING

CONSTRUCTION &  
ENGINEERING

MINING

## Company Details

**Address:** 69 Dowd Street  
WELSHPOOL WA, 6106 Australia

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**Email:** info@cpsconveyors.com.au

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**Web:** www.cpsconveyors.com.au

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**ICN Gateway Company ID:** 62195

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**Employees:** 100

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**ABN:** 87 103 699 207

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**Locations:** 6

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**Local Manufacturer:** Yes

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**Exporter:** Yes

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## Contacts

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Conveyor Products and Solutions Pty Ltd is an Australian specialised manufacturer that has the product range and highly experienced staff to meet the requirements for the supply of quality conveyor equipment and effective support services.

## Summary

The Conveyor Products and Solutions vision statement establishes the ultimate objective of our organisation.

The CPS vision is:

To be the preferred partner in the conveyor industry by delivering safe, sustainable value.

As our vision drives us forward, CPS prides itself on being a leader for innovation in the conveyor industry, constantly striving to develop new products and services that optimise the performance of conveyors on site.

## Description

Conveyor Products and Solutions has the experienced personnel and manufacturing capacity to design and optimise entire conveyor designs. Ensuring that structure, idlers, pulleys, rollers and conveyor belts are best selected for significant reductions in capital cost whilst maintaining the best possible performance long term, therefore decreasing the Total Cost of Ownership of the conveyor and components.

The CPS solution offering is supported by the extensive knowledge of operational conditions and maintenance of conveyors. This knowledge is earned through practical application of CPS technology in the field, the regular follow up with our customers and collating feedback on performance. This feedback has regularly resulted in design improvements to our product offerings, leading to significant areas of cost reductions, such as:

- Understanding the design scope of the conveyors and optimising run conditions within practical design limits.
- Optimising drive layout and selection to optimise belt tensions.
- Selecting a suitable, optimised conveyor belt carcass and then optimising cover grade and thickness optimisation on cost/performance basis.
- Designing suitable pulleys optimised to reduce

material/fabrication costs.

- Designing suitable idlers optimised for specific conveyor applications and minimising redundant steelwork in frames
- Manufacturing of components using high quality, but lower cost fabrication avenues to reduce capital costs.

Our manufacturing plant is highly automated, with recent significant investments into custom built equipment to process roller components quicker and to ensure higher, more repeatable quality standards. Total roller plant capacity is over 1200 rollers per shift, with the factory working on average 1.5 shifts per day, resulting in a capacity of over 600,000 rollers per annum.

Additionally our brand-new pulley facility has the capacity to produce up to 500 pulleys per year of up to 2.5m diameter, with all machining and assembly operations handled in-house.

Demonstrating a clear commitment to quality management, the company is certified to ISO9001:2015 and is confident that it has a quality management system that is comparable to the best available, and that it is a valuable tool in achieving quality product supply to our customers.

## Industries Served

- > Manufacturing
- > Construction & Engineering
- > Mining

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## Major Clients

- > ALCOA
- > ANGLO AMERICAN
- > AMEC FOSTER WHEELER
- > BHP
- > BMA
- > BLUESCOPE
- > CSBP
- > DOWNER EDI
- > FMG
- > FQML
- > GLENCORE
- > ILUKA RESOURCES
- > MONADELPHOUS
- > NICKLEWEST
- > OZ MINERALS
- > RCR
- > RTIO
- > SOUTH32
- > VITERRA

## Products & Services

- > Conveyor Rollers
- > Conveyor Frames
- > Pulleys
- > Materials Handling Consulting Services
- > Engineering
- > Weigh Rollers
- > Weigh Frames
- > Tracking Rollers
- > Tracking Frames
- > Live Shafts

## Facilities

- > CPS has engaged in a process of implementing world's best practice in manufacturing at the Welshpool based factory. The process has focused on effective deployment of "5S" as an operating philosophy, and Overall Equipment Effectiveness (OEE) to achieve greater levels of safety and efficiency.
- > Factory Capacity
- > Using the principles of OEE, CPS has been able to dramatically improve both the capacity and reliability of operations. This was achieved by focusing on each element of OEE in a disciplined and systematic way.
- > A program of preventative maintenance coupled with more effective reliability centred maintenance techniques has all but eliminated breakdowns, resulting in world class availability. Using the support of the in-house engineering team, maintenance is being continuously improved through root cause failure analysis at every opportunity.
- > Machine utilisation has been a significant focus given the opportunity for improvement that was identified. Higher utilisation has resulted from effective management of factory bottlenecks, improved tooling, improved handling facilities, simplification of processes, improved ergonomics in the workplace, improved operating philosophy through 5S and improved product design. In a similar way machine productivity has also been improved.
- > By focusing on quality assurance, losses associated with production of defective parts have been reduced. This improvement has also made a meaningful contribution to the CPS OEE.
- > The effect of manufacturing improvements achieved at CPS have been that previous capacity of 1000 rollers per day over a three shift operation is now 750 rollers per eight-hour shift. Furthermore, the recent acquisition of two automated machines have the effect of nearly re-doubling our current capacity and at the same time, further improving quality tolerances with which we produce components. With the new machinery, CPS production capacity is in excess of 200,000 rollers per annum, on a single shift basis.

## Previous Significant Projects

2017

**Cobre Panama Copper Mine**  
**\$15,000,000**

**Client: FQML**

Design, Engineer, Manufacture and Supply of conveyor idlers for the Cobre Panama Mine.  
+48,000 Rollers and +15,000 frames manufactured and exported to Panama within 6 months.

2017

**RTIO Silvergrass Expansion**  
**\$3,500,000**

**Client: RCR Thomlinson Limited**

Design, Engineer, Manufacture and Supply of conveyor idlers for the Silvergrass project.  
15,700 Rollers and 5,550 frames manufactured and supplied in 12 weeks.

2017

**Talison Lithium Chemical Grade 2 Project**  
**\$2,000,000**

**Client: BMH Global**

Awarded scope to Engineer, Manufacture and Supply of conveyor idlers and pulleys for the Talison Lithium Chemical Grade 2 Project.

2016

**BHP Jimblebar Expansion Project**  
**\$5,000,000**

**Client: BHP**

Replicate existing design with minor engineering modifications, Manufacture and Supply of conveyor idlers for the Jimblebar overland conveyor expansion project.  
15,876 Rollers and 5,440 frames manufactured and supplied in 16 weeks.

2016

**Dugald River Project**  
**\$500,000**

**Client: RCR Thomlinson Limited**

Engineer, Manufacture and Supply of conveyor idlers and pulleys in conjunction with RCR for the Dugald River Mine.

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