# Fixed Plant Solutions



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Heavy Duty Storage

Certified / Compliant with AUS Standards

# We offer a full consulting, 3D scanning and engineering service

Projects and the associated challenges often require custom solutions, we take pride in our CDEC system. Consultation, Design, Engineering and Construction is our holistic approach to solution development making maintenance on-site safe, efficient and easy.

## **CDEC Process**



**Consultation** We come to you and visit your site to get a hands-on feel for your project. The aim of our consultation is to listen to and understand your requirements. If the project requires it, our 3D scanning capabilities will streamline measurement and data capture. This approach allows us to develop and discuss with you on-site, possible solutions to your problem, and the benefits we can offer.





**Design** After the consultation we go back to our design team to begin the development of your custom solution. Our team produce designs in CAD Design complete with all drafting documentation ensuring an advanced manufacturing process. Our process allows and encourages you to be involved in the design stage and collaborate with our highly skilled team.





**Engineering** Once the design is approved, we begin the development and engineering process. This ensures that the right material is used for your project to guarantee structural and functional integrity. We provide full certification that includes WLL, load ratings, integrity reports as well as certificate plates and identifications. We design and engineer all our solutions to ensure full compliance with Australian standards.





**Construction** Finally, once the project is ready and certified for construction, we manufacture your solution. We test, machine, fabricate and surface treat as well as trial fit your custom project. We only manufacture high quality products that provide long lasting, safe and efficient solutions.



Our long-standing relationships, expertise and dynamic team of solutions engineers has enabled us to provide certified efficiencies across a range of fixed plant scenarios. We understand that fixed plant maintenance requires safety, speed, accuracy and reliable execution to achieve operational efficiency. This has led us to develop a range of solutions designed and engineered to satisfy these very requirements. The ability to 3D scan, process, design, engineer and fabricate means we can solve your on-site problems. Ensuring certification and compliance is at the forefront of every product or service and understanding that some situations require customisation; we are trusted partners in safety, efficiency and productivity.

## Fixed Plant Design, Engineering and Fabrication



Although we have a comprehensive range of standard products which we have developed over an extended period of partnerships between planning, site personnel, management and ourselves. Most of these solutions started out as a specific problem which required us to develop a solution that enabled the actions required for operational efficiency.

## Our approach means your problems are in the hands of those that solve them.

## Comfort

We take ownership of our role in operational efficiency with a system that provides a holistic solution.

## Certainty

Being available, mobile and equipped to provide on-site consultations and scanning to ensure drawings, scopes of works and solutions are correct is invaluable.

## Control

Design and engineering capabilities are crucial to providing certified and compliant solutions. We enable control over the situation.

#### **Motion**

Enabling processes and production to continue on-time is a crucial. We provide reliable, consistent pathways towards this goal.

#### Impact

Solutions that are executed on-time consistently leaves an impact on the bottom line. Productivity receives a boost which is compounded by the benefits of the efficient use of resources which are freed up due to efficient solution development.

If you have a problem on-site, get in contact with the team and we will provide you with the certified salutation that you need.

Our team partners with each other internally so we can partner with you and your success.

# Access and Inspection Doors



## The three-level safety system for chute doors

A three-level safety access system protects plant operators and ensures production continues. This system consists of three components: the outer door, the second door and a cross bar protection system on the inside of the doors to prevent the door from being opened without a specific tool.



The inside of the outer door is fitted with a rubber seal to reduce noise, vibration and dust from escaping the chute. When an operator opens this outer door, the operator is able to view the internal mechanisms of the chute but cannot access the chute due to the second door.

## **2nd** level of safety

The second door is similar to a jail bar door which gives operators the ability to view the areas of hazard or concern without allowing them the ability to access the chute. A fixed bolt system included for additional protection and to prevent the door from being opened without a tool. The operator could now perform routine inspection or maintenance tasks without the risk associated with having free access to the chute when no second door is fitted.

## **3rd** level of safety

The third level of protection is a cross bar protection system on the inside of the doors, to prevent any personnel accessing the chute. This final failsafe mechanism is the last line of a very good defence against workplace accidents involving chute doors.

# Access and Inspection Doors







## Jail Bar Door 450mm x 450mm

 Construction:
 Heavy duty steel

 Finish:
 Painted Y14 Golden Yellow

 Available off-the-shelf

 Length:
 150mm

 Height:
 450mm

 Width:
 450mm



## Jail Bar Door 600mm x 600mm

 Construction:
 Heavy duty steel

 Finish:
 Painted Y14 Golden Yellow

 Available off-the-shelf

 Length:
 150mm

 Height:
 600mm

 Width:
 600mm

# Access and Inspection Doors



Yellow

## Jail Bar Double Door Square 750mm x 750mm

Construction:	Heavy duty steel			
Finish:	Painted Y14 Golden			
Available off-the-shelf				

Length:	120mm
Height:	750mm
Width:	750mm

## Jail Bar Double Door Top 1000m x 450mm

Construction:Heavy duty steelFinish:Painted Y14 Golden Yellow

Available off-the-shelf

Length: 150mm Height: 1000mm Width: 450mm



## Jail Bar Door 1200mm x 600mm

 Construction:
 Heavy duty steel

 Finish:
 Painted Y14 Golden Yellow

 Available off-the-shelf

 Length:
 150mm

 Height:
 1200mm

 Width:
 600mm



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Part No. 5000107

## Jail Bar Double Door 1000mm x 750mm

 Construction:
 Heavy duty steel

 Finish:
 Painted Y14 Golden Yellow

 Available off-the-shelf

Length:120mmHeight:1000mmWidth:750mm

## Access and **Inspection Doors**

We also have a custom door service which can incorporate the features shown in the below range. If you have a custom access and inspection point or special construction and performance requirements we can design, engineer and fabricate a door to suit.



## **Mesh Machine Guarding Door**

Construction: Heavy duty steel Finish: Painted Y14 Golden Yellow Available off-the-shelf

Length: N/A Height: 950mm Width: 600mm



Certified / Compliant with AUS Standards

## Jail Bar Door - Galvanised 600mm x 600mm

Construction: Heavy duty steel Finish: Y14 Golden Yellow and Galvanised Door Available off-the-shelf

Length: N/A Height: 600mm Width: 600mm



## **Armour Door**

- High Impact & Abrasion Door Construction: Heavy duty steel Finish: Painted Y14 Golden Yellow Available off-the-shelf

**G** We can design, engineer and fabricate doors for any access and inspection point

## Scaffold Replacement Platforms



We have a range of certified and Australian Standard compliant access and scaffold replacement solutions developed for specific scenarios on-site. Our experience developing solutions, coupled with the ability to 3D scan, design, engineer and construct access solutions means we can customise an access or scaffold replacement platform for your exact requirements.

## **Fixed Platforms**

## **Crusher Access Platform – Belt Feeder**

Construction: Heavy duty aluminium Forklift Slots:

- Self closing gate
- Step style ladder access
- Counterweighted to provide a safe overhang - 2.3m clearance
- Heavy Industrial Series Castor 200mm Polyurethane Tyred Cast Iron Centred Wheel



## **Crusher Access Platform**

Construction: Heavy duty aluminium Forklift Slots:

- Self closing gate
- Step type ladder access
- Counterweighted to provide a safe overhang
   3m clearance
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron
   Centred Wheel





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## Fixed Plant **Platforms**



Part No. 5501474

## **Crusher Bowl Access Platform**

Construction: Heavy duty aluminium Forklift Slots:

- Jacking stands for stability
- Stair access up to top of crusher externally
- Overhang self-closing gate for safety
- Heavy Industrial Series Castor 200mm Polyurethane Tyred Cast Iron Centred Wheel



## **Crushing Maintenance Floor Platform**

## Construction: Heavy duty aluminium Forklift Slots:

- Ladder access with cage
- Full assembly bolts together for ease of transport
- Handrails finished in Y14 safety yellow
- Grating and platform structure completely hot dip galvanised

Part No. 5501944

# Fixed Plant **Platforms**

## **Stell Ball Mill Platform**

Construction: Heavy duty aluminium Forklift Slots:

- Jacking stands for stability
- Stairway with resting platforms
- Lifting lugs for lifting into place during shutdowns



## **Chute Access Platform**

Construction: Heavy duty aluminium Forklift Slots:

- TIG welded
- Double self-closing doors
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron
   Centred Wheel



## Fixed Plant Platforms



## **Crusher Bowl Access Platform**

Construction: Heavy duty aluminium Forklift Slots:

- Large industrial castors and levelling jacks
- Non-slip stairway and work area
- Self-closing gates
- Safety handrails
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron
   Centred Wheel





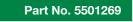
# Fixed Plant **Platforms**



## Walkway Shedder

Construction: Heavy duty aluminium Forklift Slots:

- Cyclone Rated to Region "C"
- Fully Modular design and flat packed for transport
- Can be moved around site very easily to where ever is required
- Concrete blocks supplied with fork slots and lifting points

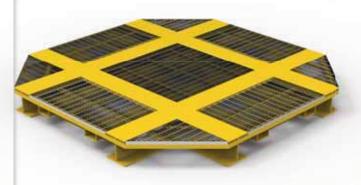




## **Reclaimer Curtain Access Platform**

Construction: Heavy duty steel

- Self-closing gate
- Wheels for ease of manoeuvrability on site
- Safety handrails
- Heavy Industrial Series Castor 200mm Polyurethane Tyred Cast Iron Centred Wheel



Part No. 5501397

#### **Crusher Bowl and Cone Support Platform**

Construction: Heavy duty steel Forklift Slots:

- Ventilation holes in base
- Removable aluminium grating in centre
- Steel grating fixed, all sides

## Fixed Plant **Platforms**



Part No. 5501269

## **Custom Hand Railing and Platforms**

Construction: Heavy duty
Forklift Slots:

- Steel, aluminium or stainless steel construction
- Modular style build for ease of transport and installation
- Detailed drawings available for client



#### **Permanent Access Stairs**

- Construction: Heavy duty steel
- Extended height handrails
- Complete safety when working in hard to reach areas

Certified and compliant scaffold elimination and access platforms

# Conveyor **Platforms**



Participation of the second

Part No. 5414115

## **Belt Splicing Walkway**

Construction: Heavy duty aluminium Forklift Slots:

- Modular design and build to ensure ease of use and installation
- Non-slip stairways and grating
- Removable handrails

## **Reclaimer Bearing Access Platform**

Construction: Heavy duty aluminium Forklift Slots:

- Non-slip grating and work area
- Large industrial castors and levelling jacks
- Removable handrails for ease of access to work area
   when required
- Heavy Industrial Series Castor 200mm Polyurethane Tyred Cast Iron Centred Wheel



## Conveyor **Platforms**



# <complex-block>



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## General Purpose **Platforms**



## Access Platform 1200mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron
   Centred Wheel



Part No. 5412174



#### Access Platform 1400mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area

Heavy Industrial Series Castor
 200mm Polyurethane Tyred Cast Iron Centred Wheel



#### Access Platform 1600mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron Centred Wheel

## General Purpose Platforms

Access Platform 1900mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area
- Heavy Industrial Series Castor 200mm Polyurethane Tyred Cast Iron Centred Wheel





Certified / Compliant with AUS Standards



#### Access Platform 1850mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron Centred Wheel



#### Access Platform 1700mm

Construction: Heavy duty aluminium Forklift Slots:

- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Non-slip stairway and work area
- Heavy Industrial Series Castor

200mm Polyurethane Tyred Cast Iron Centred Wheel

## General Purpose **Platforms**



## Access Platform 2200mm

Construction:Heavy duty aluminiumForklift Slots:Image: Construction of the second s

- Non-slip stairway and work area
- Self-levelling jacks
- Self-closing gate
- Safety handrails
- Heavy Industrial Series Castor
   200mm Polyurethane Tyred Cast Iron Centred Wheel





#### PG 22 / BEND-TECH / FIXED PLANT CATALOGUE

# **Conveyor** Product Range

## Conveyor Products



Our range of certified conveyor products, parts and solutions is aimed at delivering your site or plant with maintenance solutions that transform safety and streamline processes.

We stock certain parts such as conveyor puller plates and bull noses on the shelf ready for immediate despatch.

We also have a range of spreader bars, racks, support frames and ladders which can be fabricated to your requirements.



## Conveyor Belt Puller Clamp with Kit – 3 Tonne

Construction: Heavy duty steel

• Fully certified to 3 tonne safe working load

#### Includes:

- 1x Belt clamp Plate
- Pin Assembly
- Countersunk bolts, washers and nuts



## Conveyor Belt Puller Clamp Kit – 6 Tonne

**Construction:** Heavy duty steel

Fully certified to 6 tonne safe working load

#### **Includes:**

- 1x Belt clamp Plate
- Pin Assembly
- Countersunk bolts, washers and nuts



#### Conveyor Belt Puller Clamp Kit – 9 Tonne

Construction: Heavy duty steel

• Fully certified to 9 tonne safe working load

#### Includes:

- 1x Belt clamp Plate
- Pin Assembly
- Countersunk bolts, washers and nuts

## Conveyor Products





## Conveyor Belt Puller Plate Bull Nose – 9 Tonne

**Construction:** Heavy duty steel

• Fully certified to 9 tonne safe working load

#### Includes:

- 1x Bull-nose plate with pin
- Pin Assembly



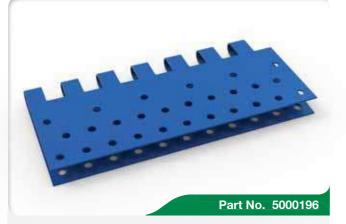
## Conveyor Clamp Assembly Bull Nose Puller Plate – 9 Tonne

Construction: Heavy duty steel

• Fully certified to 9 tonne safe working load

#### Includes:

- 1x Bull-nose plate with pin
- Pin Assembly



## Conveyor Belt Puller Plates – 6 Tonne

Construction: Heavy duty steel

- Fully certified to 6 tonne safe working load
- Custom sizes available on request

Our range of puller plates are stocked for immediate despatch

## Conveyor Products





## **Conveyor Belt Lifter – Hydraulic**

Construction: Aluminium

- Hydraulic hand pump for ease of use in the field
- Can also be supplied with electric hydraulic pump
- Various designs available for different belt widths and angles
- Designed and Engineered to Australian Standards

**Conveyor Belt Lifter Spreader Bar** 

Construction: Heavy duty steel

- Designed for lifting conveyor belts
- Rollers included for ease of lifting
- Designed and Engineered to Australian standards

SWL 1TONNE

• Various sizes and SWL available



## Aluminium Belt Lifting Spreader Bar 1500MM

Construction: Heavy duty steel

- Heavy duty T6 aluminium construction
- Engineered tough
- Certified and compliant with Australian Standards
- SWL 1 TONNE
- Lightweight
- Powder coated Y14 safety yellow

Part No. 5000234

## Aluminium Belt Lifting Spreader Bar 1800MM

Construction: Heavy duty steel

- Heavy duty T6 aluminium construction
- Engineered tough
- Certified and compliant with Australian Standards
- SWL 1 TONNE
- Lightweight
- Powder coated Y14 safety yellow

# Conveyor **Products**

Certified / Compliant with AUS Standards



#### **Conveyor Idler Storage and Lifting Rack**

Construction: Heavy duty steel

- Fold over locking shroud
- Lifting points and forklift slots for transportation
- We are able to accommodate up to 24 idlers of different sizes and weights.



## Conveyer Idler Storage and Transport Pallet

**Construction:** Heavy duty steel

- Crane lifting eyes for easy of transport
- Forklift friendly
- Fully engineered and certified
- Able to accommodate up to 20 different idlers of various diameters and lengths

Part No. 5501031

## Conveyor Access Ladder

## Construction: Aluminium

- Non-slip stairway
- Fixed Plant placement
- 7 step stairway
- Safety handrails

Standard and custom certified conveyor maintenance solutions

## Wear **Products**



Chutes, hoppers and associated areas of the plant need constant maintenance due to high production volumes and performance. We can scope and provide the wear products and solutions you need to maximise the life of your assets and keep production moving.

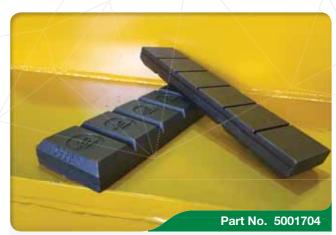


Chocky Bar CB50N Construction: Heavy duty steel

 Length:
 240mm

 Height:
 20mm

 Width:
 50mm



Chocky Bar CB65N Construction: Heavy duty steel

 Length:
 240mm

 Height:
 20mm

 Width:
 65mm



Chocky Bar CB100N Construction: Heavy duty steel

Length:	240mm	
Height:	20mm	
Width:	100mm	



Chocky Bar CB130N Construction: Heavy duty steel

 Length:
 240mm

 Height:
 20mm

 Width:
 130mm

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## Benches and Cutting Tables



We have a range of storage, cutting and work benches designed and engineered to make your site and plant maintenance and operation as efficient as possible. Our standard range of solutions we have developed will satisfy many applications however, if you require something bespoke, we can customise any of our products for your situation.



#### 2 Tonne Workbench 900mm (h) Construction: Heavy duty steel

- Heavy duty mine spec construction
- Fully certified to 2 Tonne SWL

Length:	N/A
Height:	900mm
Width:	N/A



## Workshop Whiteboard Bench

Construction: Heavy duty steel

- Heavy duty mine spec construction
- Heavy duty castors for workshop mobility
- Can be used for shutdowns or planned maintenance

Length:	1480mm	
Height:	2000mm	
Width:	700mm	



#### **Mobile Flame Cutting Table**

Construction: Heavy duty steel

- Engineered and Certified to SWL 1 Tonne
- Easy to empty slag bin and safer slag collection
- Replaceable support bars
- Heavy duty lockable wheels
- Built tough for mining workshops

Length: 1200mm Hei Width: 1200mm





#### **Heavy Duty Plate Cutting Table**

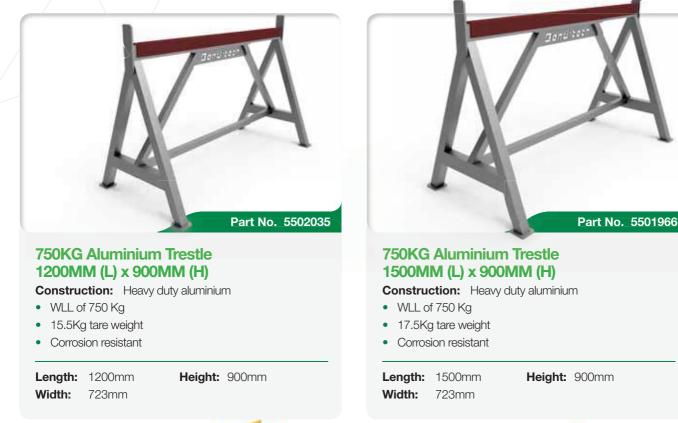
Construction: Heavy duty steel

- Engineered and Certified to SWL 3 Tonne
- Easy to empty slag bin and safer slag collection
- Replaceable support bars
- Heavy duty lockable wheels
- Built tough for mining workshops

Length:	2830mm	Height:	1000mm
Width:	1854mm		

Certified / Compliant with AUS Standards

Our range of steel and storage racks, trestles and work stands ensure you are safe and efficient on-site. All of our fixed plant workshop solutions are certified and compliant with Australian Standards and provide your maintenance teams with the equipment they need.





## 2 Tonne Trestle Stand 1000MM (L) x 900MM (H)

Construction: Heavy duty steel

- Replaceable top section
- Fully engineered and certified
- Heavy duty steel construction
- · Stocked off-the-shelf, available for immediate delivery

**Length:** 1000mm **Width:** 660mm

Height: 900mm



SWL = 5T

#### 5 Tonne Trestle Stand 1000MM (L) x 900MM (H)

Construction: Heavy duty steel

- Replaceable top section
- Fully engineered and certified
- Heavy duty steel construction
- Stocked off-the-shelf, available for immediate delivery

 Length:
 1000mm
 Height:
 900mm

 Width:
 600mm
 1000mm
 1000mm





- Replaceable top section
- Fully engineered and certified
- Heavy duty steel construction
- Stocked off-the-shelf, available for immediate delivery

**Length:** 2400mm **Width:** 656mm

Height: 900mm

- Replaceable top section
- Fully engineered and certified
- Heavy duty steel construction
- Stocked off-the-shelf, available for immediate delivery

**Length:** 1000mm **Width:** 515mm Height: 650mm



#### Free Standing Steel Storage Rack

Construction: Heavy duty steel

- SWL 4.8 Tonne Capacity or 400kg per shelf
- 12 shelves (6 either side)
- Lifting eyes for ease of transport
- Forklift friendly for loading your product
- Fully engineered and certified

 WLL:
 400kg per shelf

 Height:
 2250mm

 Width:
 N/A

 Length:
 6000mm

## Part No. 5412036

#### Horizontal Steel Plate Storage Rack

Construction: Heavy duty steel

- 4 shelves for optimum plate storage
- SWL 6.5 Tonne per level (bottom level 10 Tonne)
- Modular design for ease of transport and erection
   on site
- Cantilevered to ensure optimum space utilisation
- Forklift friendly for plate loading
- Fully engineered and certified

## WLL: 6.5 Tonne per shelf

 Height:
 2004mm

 Width:
 3329mm

 Length:
 8000mm

Part No. 5000220



## **General Purpose Steel Racks**

Construction: Heavy duty steel

- SWL 3 Tonne per shelf
- Lifting eyes for ease of transport
- Forklift friendly
- Modular construction for ease of transport and erection on site
- · Cantilevered to ensure optimum space utilisation
- Fully engineered and certified
- Available in 9 metre, 7.5 metre and 6 metre configurations

Available in three configurations: 6m – 5000222 7.5m – 5000221 9m – 5000219

## **General Purpose Steel Rack – Small**

- Construction: Heavy duty steel
- 8 shelves (4 either side)
- Lifting eyes for ease of transport
- Modular construction for ease of transport and erection on site
- Cantilevered to ensure optimum space utilisation
- Fully Engineered and certified

 WLL:
 N/A

 Height:
 2144mm

 Width:
 1852mm

 Length:
 2500mm



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## **Electrical Cable Racking**

**Construction:** Heavy duty steel

- Certified and compliant with Australian Standards
- Finished in Y14 safety yellow
- 600kg WLL Bottom Horizontal Bar
- 300kg WLL Top Horizontal Bar
- Fitted with forklift pockets for easy mobility





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