

TheHub™
National Product,
Processing & Solutions


BlueScope
Distribution

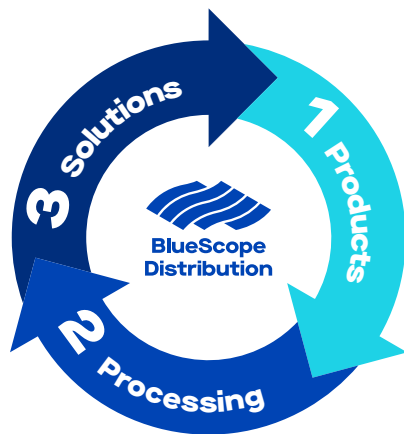
**Helping customers
deliver significant
projects Australia-
wide.**

**Multi-functional
processing line
capabilities**

Quality steel and aluminium solutions

The National Product, Processing & Solutions Hub is BlueScope Distribution's new capability.

It enables us to provide our customers with a unique domestically co-ordinated supply chain solution for the delivery of large scale projects. Our National Product, Processing and Solutions Hub is specially designed to support national projects in the infrastructure, transport, farming, mining, oil and gas, renewable energy and defence industries.



Partnering with our National Product, Processing and Solutions Hub our customers will experience:

- » The ease of dealing with a single-source supplier of product, processing and service solutions.
- » Industry expertise, technical know-how, and local product knowledge backed by the BlueScope mill to help deliver steel intensive projects on time and to specification.
- » Centralised project management services to help deliver large, steel intensive projects.
- » Surge capability and capacity to deliver on project timelines.
- » End-to-end supply chain solutions providing highly efficient national coverage.
- » Secure domestic supply of quality steel and aluminium, processed to project requirements.
- » Strategically located in close proximity to the BlueScope mill and other strategic partners, providing an optimised and highly efficient supply chain solution.

TheHub
National Product,
Processing & Solutions

BlueScope
Distribution



Supply chain certainty

We provide customers with surge capability required for the successful delivery of large scale projects. Our project management team works with customers to help deliver projects safely, to specification, on-time and in full.



Project management

A dedicated project management team works with customers to ensure projects are delivered on time and to specification. This includes a complete end to end supply chain management solution.



Strategically located

The National Product, Processing and Solutions Hub is strategically located in Unanderra, NSW. This enables us to capitalise on our close proximity to the BlueScope mill and other local supply partners to provide customers with a highly efficient and streamlined supply chain solution. The facility offers sea, road and rail solutions to support project requirements Australia-wide.



Comprehensive product range

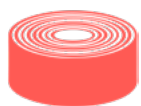
With robust onshore stock holdings, we offer a diverse product range including: XLERPLATE® steel, TRU-SPEC® steel, BISALLOY® steel, welded beams and columns. Coupled with a comprehensive range of aluminium products and other custom grades, sourced locally and overseas, this enables us to offer a single source product, processing and solutions offering.

Xlerplate

TruSpec

RedCor

Bisalloy



Processing capabilities

The National Product, Processing & Solutions Hub provides customers with state of the art steel processing capability including:

- » Straight plasma cutting
- » Constant angle bevel
- » Complex variable bevel & K bevel
- » Power hole thermal cut
- » Drilling
- » Tapping
- » Etching
- » Laser or inkjet printing
- » Blast and prime (available on request)

Tolerances are customised beyond DIN ISO 2768 - MK & ISO 9013_2017.

The National Products, Processing & Solutions Hub utilises a state of the art MicroStep multi-functional processing line to deliver both plasma and oxyfuel cutting capability.

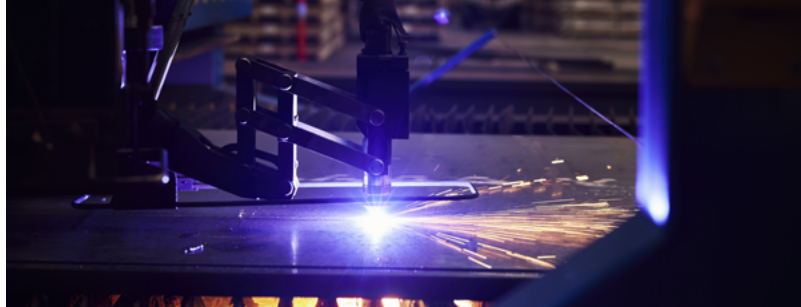
This allows us to provide unique, optimal solutions across a range of thicknesses up to 150mm while maintaining cut tolerances to meet or exceed ISO9013 standards.

Our market leading integrated laser scanning and auto-calibration capability allows for this to be achieved while maximising yield performance for our customers.

TheHub has operational capability to deliver on a range of high-end product solutions including:

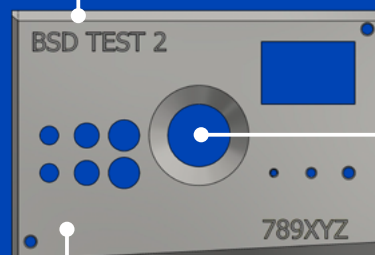
- » complex variable bevels
- » counter bore
- » drilling and tapping capabilities rounded off with a variety of marking functionalities including etching, laser and inkjet marking.

For more information about our full range of steel processing capabilities please speak to your account manager.



Etching

For product identification or weld attachment outlines



Power hole thermal cut

Minimises dint/ding defects – clean cut

Blast and prime

Available on request

Laser or inkjet printing

For product identification

Drilling



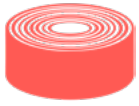
Variety of bevel profiles

Constant angle bevel, complex variable bevel, K bevel

Tapping

Constant angle bevel

Industry standard bevel



Operational capability

The National Products, Processing & Solutions Hub utilises a state of the art, multi-functional processing line to deliver both plasma and oxyfuel cutting capability.

Our investment in a MicroStep multi-function plasma processing line enables us to provide unique, optimal solutions across a range of steel thicknesses of up to 150mm while maintaining cut tolerances to meet or exceed ISO9013 standards. Our market leading integrated laser scanning and auto-calibration capability allows for this to be achieved while maximising yield performance for our customers.

In addition to thermal cutting capability, our team at the National, Processing and Solutions Hub also offer a range of high-end products solutions, including complex variable bevels, drilling and tapping capabilities rounded off with a variety of marking functionalities including etching, laser and inkjet marking.



MicroStep plasma, plate processing technology

Operational Processes

1. Thermal

Piercing, straight square and curved square cutting on steel plate thickness up to 150mm using either plasma or oxyfuel cutting. The Hypertherm XPR 300 Optimix Plasma capability ensures cutting tolerances meet or exceed ISO9013 Class 2 and Heat Affected Zone (HAZ) minimised.

Constant angle, K bevels and variable angle bevels are available on plate thickness up to 150mm with operating capabilities for bevelling at ± 45 degrees (additional capability dependant on thickness and fuel medium). Surface finish and cut tolerances are able to meet or exceed ISO9013 Class 2 (Surface Quality – OxyFuel is Class 3) to minimise or eliminate requirement for machined finishes.

Cutting beds are designed to allow plate sizes up to 3.5m wide and 19.5m long. All steel plate is laser scanned to optimise cutting programs and minimise yield loss. Auto calibration ensures that tolerances can be maintained throughout cutting runs.

2. Drilling/Tapping

Drilling is available from $\varnothing 4$ mm to $\varnothing 40$ mm and holes can be countersunk. For requirements $> \varnothing 40$ mm the Hypertherm XPR300 Optimix Plasma capability is utilised. Power Hole technology is used to eliminate tapers and minimise divot/ding defects where plate thickness to hole diameter is up to a ratio of 1:1.

Tapping is available for a range of M4 to M33.

3. Marking

Laser marking, inkjet marking and etching is available on all plate sizes, thicknesses and parts created.

Additional services are available on request.

Technical details

The following table outlines the technical specifications of our multi-function plasma line.

Process	Cut Method	Operating range	Tolerance	Reference information
Pierce	Plasma or Oxy			
Square cut straight	Plasma or Oxy		ISO 9013	Plasma Surface Quality: Class 2 Dimensional Tolerance: Class 1 Oxy Surface Quality: Class 3 Dimensional Tolerance: Class 1
Square cut curved	Plasma or Oxy			
Bevel cut constant angle	Plasma or Oxy	Plasma ≤ 25mm: ±50° >25mm: ±45° Oxy ≤ 60mm: ±60° >60mm: ±50°		
Bevel cut variable angle	Plasma or Oxy			
K Bevel	Plasma or Oxy			
Hole	Drill	Ø4mm to Ø40mm		
	Plasma	> Ø40mm	ISO 9013	Surface Quality: Class 2 Dimensional Tolerance: Class 1
	Oxy	Contractor to specify		Surface Quality: Class 2 Dimensional Tolerance: Class 1
Countersunk hole	Countersunk drill	Ø4mm to Ø40mm		
	Plasma	> Ø40mm	ISO 9013	Surface Quality: Class 2 Dimensional Tolerance: Class 1
	Oxy			Surface Quality: Class 2 Dimensional Tolerance: Class 1
Tapped hole	Tap	M4 to M33		
Marking - laser	Laser			
Marking - Inkjet	Inkjet			

* Surface Quality as per ISO9013 Clause 7

** Dimensional tolerance as per ISO9013 Clause 8

Quality standards

ISO 9001
 ISO 14001
 AS/NZS 4600
 AS/NZS 1397
 AS/NZS 1595
 AS/NZS 2728



As a trusted distributor of steel and aluminium products, we partner with our customers to meet their project requirements. Backed by our commitment to quality, we help reduce compliance risk through our ISO 9001 quality management system. We also ensure full material traceability and compliance via our material test certificates.

Get in touch to discuss your national project requirements



Mick McPhan | National Manager Operations & The Hub

National Products, Processing and Solutions Hub

+61 (0) 407 097 170
mick.mcphan@bluescopesteel.com

Over 25 years experience in the steel industry delivering innovative sovereign manufacturing and supply chain solutions for our customers with a focus on end to end project management. Mick leads the team at TheHub ensuring we have the capability, capacity, and support our customers need with a single service offering for large scale projects.



Irena Kupkovic | Sales Manager

National Products, Processing and Solutions Hub

+61 (0) 447 281 492
irena.kupkovic@bluescopesteel.com

Over 15 years experience working in the building industry in various areas. As the Sales Manager for the National Products, Processing and Solutions Hub Irena leads a dedicated Sales Team to support our in-market business in growing their share of major projects in key market segments of Infrastructure, Defence, Renewable, Mining and Transport.



Caleb Leeming | Operations Manager

National Products, Processing and Solutions Hub

+61 (0) 403 083 317
caleb.leeming@bluescopesteel.com

Over 15 years experience in the Steel industry, focussed within building quality and efficiency within the steelmaking function. With a background in Materials Engineering, Caleb leads the Operations team at the National Products, Processing & Solutions Hub, delivering high quality, processed products and solutions, that are tailored to meet Customers' requirements.



Belinda Sarin | Supply Chain Leader

National Products, Processing and Solutions Hub

+61 (0) 477 397 016
Belinda.Sarin@bluescopesteel.com

Over 5 years experience working in the steel industry. As the Supply Chain Leader for the National Products, Processing and Solutions Hub, Belinda leads the Supply Chain and Procurement functions to optimise and build collaborative Supply Chain networks for major projects.

We are BlueScope Distribution

We are BlueScope Distribution, a leading steel and aluminium distributor and solutions provider.

With a national network of 16 branches across metro locations and major regional towns, we are committed to supplying our customers with quality products, associated processing and project management solutions. Our customers experience the ease of dealing with a single-source supplier and the efficiency of doing business with one point of contact, providing the understanding and knowhow that saves time and money.

BlueScope Distribution services a wide range of customers across a large number of industries across Australia and we deliver a diverse range of products, processing and solutions. Our service offer enables our customers to find the freedom to do what they do best. Proudly Australian, our strength is in our name.

The **National Product Processing and Solutions Hub** is a specialised capability of BlueScope Distribution which delivers world-class plate processing and solutions to customers servicing key industries across Australia.

Our highly experienced team offers technical expertise and comprehensive national project management capability to help our customers deliver projects on time and to specification. To find out more visit bluescopedistribution.com.au

Our locations



Bibra Lake, WA

- Shearing capabilities
- Router capabilities

Clayton South, VIC

- Slitting capabilities
- Shearing capabilities
- Plasma capabilities
- Oxy capabilities

Trade Coast, QLD

- Slitting capabilities
- Shearing capabilities
- Router capabilities
- Plasma capabilities

Townsville, QLD

- Plasma capabilities
- Oxy capabilities
- Beamline capabilities

Granville, NSW

- Slitting capabilities
- Shearing capabilities
- Recoiling capabilities

Map of Unanderra



For more information

e: TheHub@bluescope.com
bluescopedistribution.com.au

Follow us on LinkedIn

TheHub
National Product,
Processing & Solutions

**BlueScope
Distribution**