

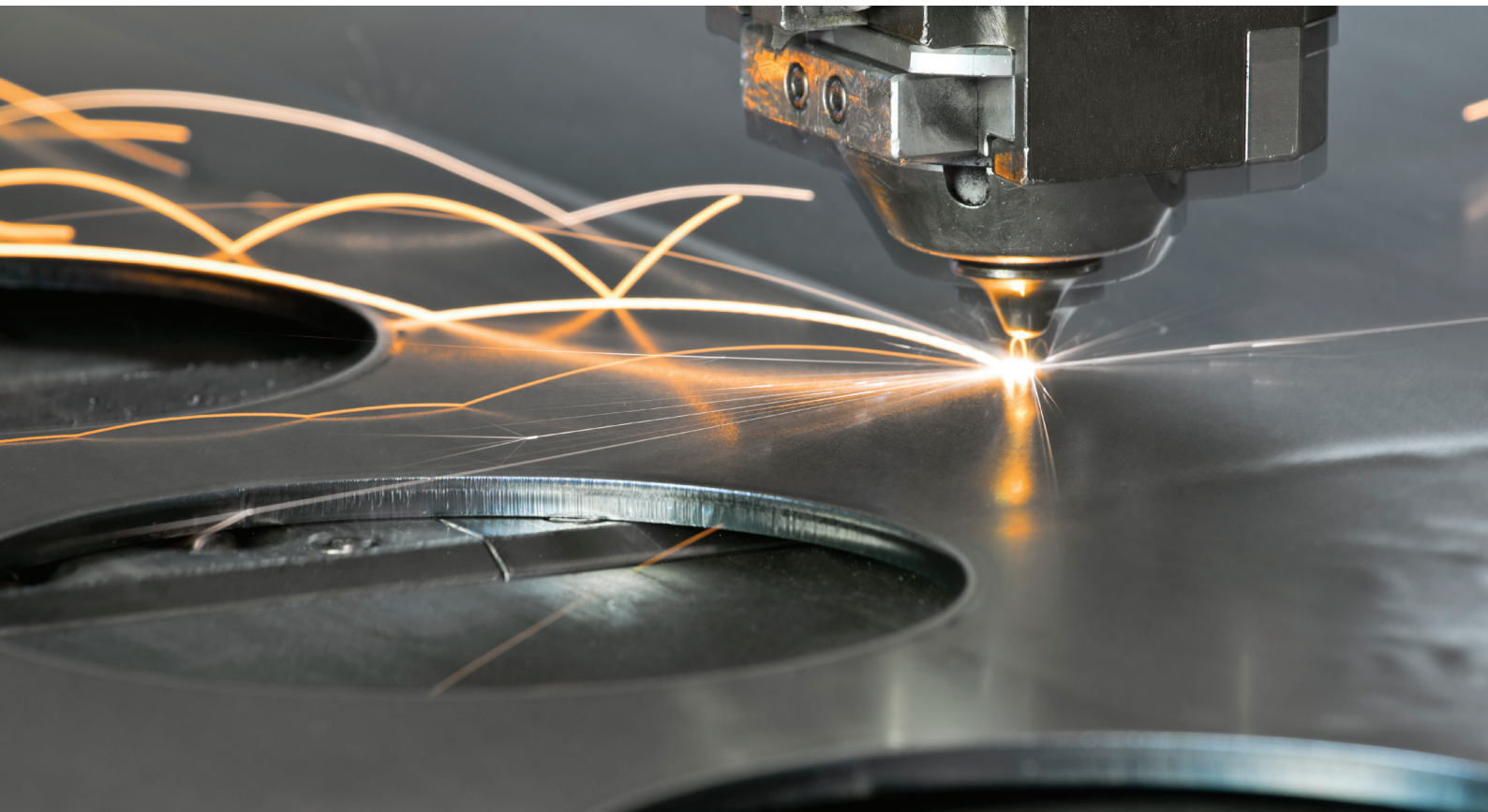


InfraBuild

Building futures through sustainable steel

Queensland Processing Capabilities

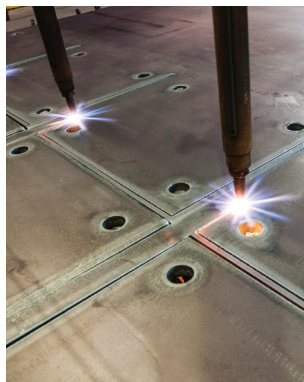
We make it easier to deliver, with steel
supplied and processed in the one place



Cut-to-length | Haunching | Etch Marking | Spot Marking | Stitch Cutting | Notching | Drilling
Oxy Cutting | HD Plasma Cutting | Pack Cutting | Bevelling | Coping | Stamping | Cambering

www.infrabuild.com

Queensland Processing Capabilities



Processing Services:

- Oxy Cutting
- HD Plasma Cutting
- Haunching
- Stitch Cutting
- Punching
- Drilling
- Bending & Rolling
- Pressing
- Shearing
- Stamping
- Spot Marking
- Etch Marking
- Beveling
- Counter Sinking
- Cut to Length
- Pack Cutting

We understand

InfraBuild offers a range of products and services to suit a variety of industries. With extensive experience in the steel industry, our staff can advise on ways to estimate, streamline and tailor steel solutions to deliver more cost-effective outcomes on any project. Having confidence in a supplier to process large or small volumes of steel and manage the complexities and risks to deliver an accurate, on-time project is critical. At InfraBuild we ensure that from your project planning to your steel supply, through to processing and delivery, we are working to optimise your steel usage to minimise waste and maximise cost efficiencies.

We make it easier

With our processing equipment owned and operated by InfraBuild you can consult with our experts at every stage to manage your processing requirements. Whether its accuracy, tolerance or repeatability you need, we achieve this through fully programmable machinery, and the long term experience of our people. This extensive industry knowledge and national support network ensures you and your projects are receiving the best level of service.

We deliver

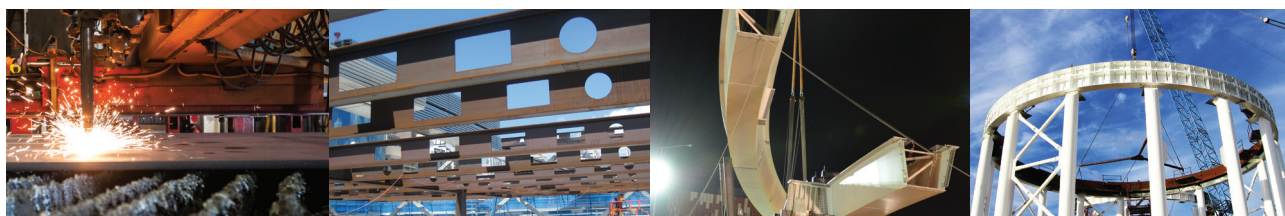
Having steel supplied and processed in the one place can make projects a lot easier. Through our integrated supply chain we can add value to clients by sourcing complementary products through our industry partners and can deliver in an order that suits your schedule. Whether your steel needs are large or small, we offer delivery to site or your warehouse - or you can pick-up from one of our locations.

Our products

Our range includes structural and tubular steel, reinforcing and merchant bar, sheet and plate as well as pipes, valves and fittings, flooring, complementary products and accessories. We also have the ability to source local and international products with short lead times.

Design optimisation

As part of the broader InfraBuild network, we also have significant expertise in working with our customers to provide design optimisation to minimise risk whilst reducing waste and cost. Optimising material use can also aid in the sustainability credentials needed for awarding Green Star® steel credit points. Customers should talk to InfraBuild Steel Centre early in their project to see how more sustainable practices can be adopted.



Oxy Profilers / HD Plasma / Profile Cutting System

Processing capabilities:

HD Plasma Cutting, Oxy Profiling, Punching, Drilling, Tapping, Beveling, Counter Sinking

Profile Cutting System (PCS)	Specifications
Locations	Brisbane
Sections – Plate	3mm to 250mm (250, 350, Boiler and Q&T 80)
Maximum Length	12000mm
Machine Capability	Plasma Cutting, Gas Cutting, Etch Marking, Drilling, Beveling, CNC Programming
Drilling	Plate thickness 3mm to 100mm Hole Ø 8mm to 50mm, larger available on request
Beveling	15-45° – Plasma 10mm to 50mm thick, Oxy-Gas 20mm to 100mm thick
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm Beveling +/-5°

Customer benefits: High precision cutting and drilling including bevels with guaranteed accuracy (within tolerances) through CNC programmed parts. Etch and Pop marking to assist in bending and fabrication within the workshop.



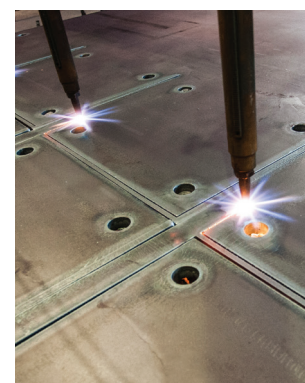
HD Plasma & Standard Plasma	Specifications
Locations	Mackay and Brisbane (HD Plasma)
Sections – Plate	Standard, Laser & Coil Plate – 3mm to 50mm
Bed size	3.6m wide x 15m to 24m long (depending on machine)
Machine Capability	Plasma Cutting, Etch Marking, Pop Marking, CNC Programming
Maximum Plate Size	3600mm x 12000mm
Hole Sizes (min. 10 mm)	Dia. = Thickness (e.g. 25mm hole in 25mm thick plate)
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm

Customer benefits: High precision cutting with guaranteed accuracy (within tolerances) through CNC programmed parts. Etch and Pop marking to assist in bending and fabrication within the workshop.



Oxy Gas Cutting	Specifications
Locations	Brisbane, Mackay
Sections – Plate	Standard Plate 16mm to 200mm (250, 350, Boiler, Q&T)
Sections – Beams	Universal Beams/Columns (Hunched, 'T' Sections, Castellations)
Bed Size	3.6m wide x 15m to 24m long
Machine Capability	Oxy-Gas Cutting, Multi-Head Cutting, CNC Programming
Beveling	Based on application
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm

Customer benefits: Ideal for thicker plate material in larger sizes, multi-head cutting reduces time while CNC programming ensures accurate dimensions of all parts.



Plateline / Oxy / Plasma examples:



Beamlines / Specialised Plate Beveling

Processing capabilities:

Cut to Length, Drilling, Stamping, Haunching, Stitch Cutting & Mitre Cutting



FICEP Beamlines	Specifications
Locations	Brisbane (x3)
Sections – UB, UC, Welded Sections, Channels, Structural Angles, RHS	Structural sections, Merchant Bar, Rail and Tubular product. From 89mm width up to 1200WB
Machine Capability	Cutting, Drilling, Mitre Cutting, Marking, CNC Programming
Maximum Length	16000 to 20000mm*
Drill Sizes	8mm* to 50mm
Mitre Cutting	Up to -45/+60 degrees
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm Mitre +/-2°

Customer benefits: FICEP machines are capable of cutting and drilling a wide range of sections and heavily used in the pre-fabrication of all structural beams. CNC programming allows for guaranteed section lengths and holes (within tolerances). High speed bandsaw cutting ensures excellent cut quality and quick turn-around of processed lengths in comparison to other length based cutting methods.



Robotic Plasma / Oxy – Coping Beamline	Specifications
Locations	Brisbane
Sections	UC, UB, Welded Structures, Angle, Tubular
Machine Capacity	Cutting, Stitch Cutting, Mitre Cutting
Maximum Length	20000mm
Mitre Cutting	Up to +/- 45 degrees
Tolerances	Standard +/- 2 mm, Mitre +/-2°

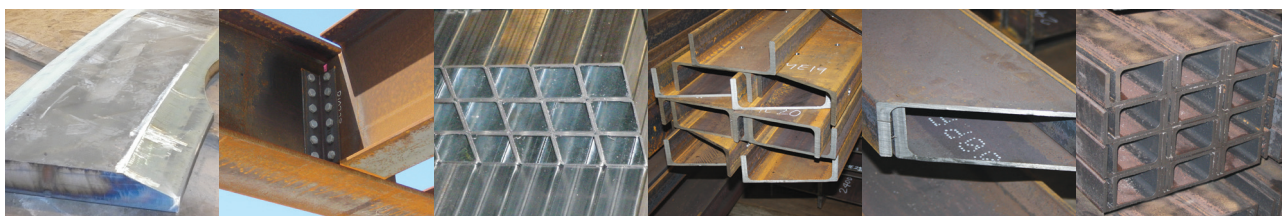
Customer benefits: With the ability to cut to length most of the standard length based products at any one of our locations, we can save you time and money in having to process your own steel for fabrication.



Specialised Plate Beveling	Specifications
Locations	Brisbane
Sections	Plate 10mm to 200mm
Maximum Part Size	Width 3200mm x Length 12000mm Mass Maximum 11.5 tonnes
Angles	From 45° to 75° from through thickness face
Length of Bevel Cut Edge	Length of feed plate
Tolerances (Standard)	Bevel dimensions +/-5mm tolerance Bevel Angle +/-2° Note: For these types of bevels the tolerance is a combination of both dimension and angle

Customer benefits: Greatly reduced cost when compared to machining.

Beamline / Bandsaw / Specialised Plate Beveling examples:



*Refer to your local Branch or Account Manager for more specific details and tolerances.

Angle Line / Bandsaws / Additional Services

Processing capabilities:

Cut to Length, Punching, Slotting, Stamping, Shearing

Angle Line	Specifications
Location	Brisbane
Sections – Angle	50 x 50 x 5 to 150 x 150 x 12mm
Section – Flats	50mm to 300mm width 6mm to 25mm Thickness
Section – Plate	50mm to 500mm width 6mm to 25mm Thickness (Grades 250 & 350)
Maximum Length	12000mm
Drill Sizes	8mm to 40mm
Punched Holes	8mm to 46mm (depending on material thickness)
Shearing	Angle – Square only Flats – up to 45 degrees including corner cuts (snipped corners)
Profiling	Flat bar / Plate – as per specified shape
Hard Stamping	All products as specified above
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm

Customer benefits: This machine has the capability to shear, punch, crop, snip, drill and plasma cut. Perfect for angle bracing and connections parts. Great for high volume small parts.



Bandsaws	Specifications
Locations	All Queensland locations
Sections	Structural sections, Merchant Bar, and Tubular product From 20mm generally up to 310mm*
Maximum Length	8000mm to 15000mm
Mitre Cutting	Up to +/- 45 and +/- 60*
Tolerances	Standard +/- 2 mm, Mill, -0 +10mm

Customer benefits: With the ability to cut to length most of the standard length based products at any one of our locations, we can save you time and money in having to process your own steel for fabrication.



Value-Added Services

We can also make your project easier and save you time and effort by providing additional value added services.

- **Metal Forming:** Through our network of supplier relationships InfraBuild Steel Centre can offer a range of bending and pressing options to supply all your processing length and flat product parts to your shop drawing requirements.
- **Laser Cutting:** We can organise all your laser cutting needs, from all grades of material (Grade 250, 350 Plate, Stainless and aluminium) as well as laser cut Structural Sections and RHS.

- **Coating Services:** Whether it is galvanizing, powder coating or painting that's required, we will ensure your steel a high quality professional finish, that is also completed in a timely fashion.
- **Material Testing:** Upon request prior to order placement we can arrange for Charpy Impact and Ultrasonic testing for most of your steel product requirements.

Processed Products:



Note: Refer to your local Branch or Account Manager for more specific details and tolerances.



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Compliance & Traceability

InfraBuild supplies products that are compliant to the relevant Australian Standards. The quality of our products are checked by NATA endorsed testing laboratories. At all of our manufacturing sites, InfraBuild has third party accreditation to Environmental Management System ISO 14001. In addition, our hot rolled products are all produced at mills with ACRS third party accreditation ensuring certification for reinforcing, pre-stressing and structural steels.

National Branch Network

Our national branch processing network means that we can provide solutions for you, wherever you need them. You also benefit from the comprehensive service that comes from national account management. So when you're relying on a quality result, you can trust us to deliver it.

Find your
InfraBuild Steel Centre:

www.infrabuild.com

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