



FABTEC

ADVANCED STEEL FABRICATION

Capability Statement

STEEL FABRICATION SPECIALISTS

Our Vision

We aim to set new standards in quality, reliability, and innovation.

Our focus is to be at the cutting edge of steel fabrication, bringing projects from concept to reality, using state-of-the-art technology and equipment, together with decades of experience and skilled tradesmen. Our vision is to exceed expectations, challenge possibilities, while remaining clear, honest and acting with integrity.



Company Overview

At FABTEC, we challenge the limits of steel engineering and manufacturing. We combine the reliability of a long-standing and respected local business with a reputation for precision and excellence, with leading fabrication technology and capability. Our purpose-built workshop is designed with a workflow layout optimised to ensure projects from raw materials to finished products are completed without delay. We offer bespoke full-service solutions for an innovative approach to fabrication. From steel supplies, refurbishments, fabrication and installation of small or large scale industrial projects, we can provide you with a reliable solution to suit your specifications.

Key Strengths

Industry expertise

Our business has over 30 years of experience working in the fabrication industry with a wide range of clients from various industries.

Reliability

The quality of our work and the quality of our partnerships are built to outlast. We don't stand for mediocrity.

We challenge possibilities

Never blinded by restraints, we're motivated with a sense of optimism to seek solutions to even the most complex projects.

Customised solutions

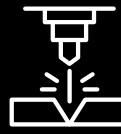
We recognise that every project is unique. By collaborating closely with our clients, we tailor our solutions to address their specific challenges and requirements, delivering results that surpass expectations.



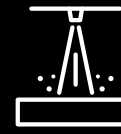
Fabrication



Beam line



CNC plasma cutting/profiling



Hydro blasting



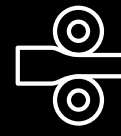
Plate pressing



Surface protection



Steel supply



Pipe bending



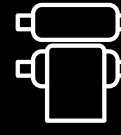
CNC plate processing



Rolling



Onsite services



Section rolling

Plate Pressing

Presenting our advanced 1200-ton brake press tailored to excel in the demanding mining industry. With a focus on versatility, precision, and durability.

Applications

Excavator / loader buckets

From a 3T excavator bucket to oversize dragline bucket and everything in between the capacity of this machine has you covered.

Wear liners

Minimising wear and tear and extending equipment life, the Scalen is great for pressing liner kits for chutes / bins / buckets / bull dozers / scrapers and much more.

Oversized components

Tackling the challenge of producing large-scale parts, our brake press can handle lengths of up to 8100mm, making it indispensable for heavy machinery and vital mining infrastructure.

Tailored solutions

We seamlessly adapt our brake press to meet your specific needs, enabling the creation of custom solutions that address unique challenges in diverse industries like mining, water management, rail, wind energy, and agriculture.



Commitment to Excellence

At the core of our operations lies an unwavering commitment to delivering excellence.

With a team of skilled professionals and state-of-the-art brake press, we endeavor to ensure our products meet our clients exacting standards.

Choosing FABTEC to undertake your next project signifies choosing a partner dedicated to elevating the performance, longevity, and efficiency of your mining equipment.

Contact us today to explore how we can collaborate to fulfill your unique manufacturing needs and exceed your expectations.



CNC Plate Processing

Introducing the Kinetic K5000, a pinnacle of cutting edge technology in precision fabrication.

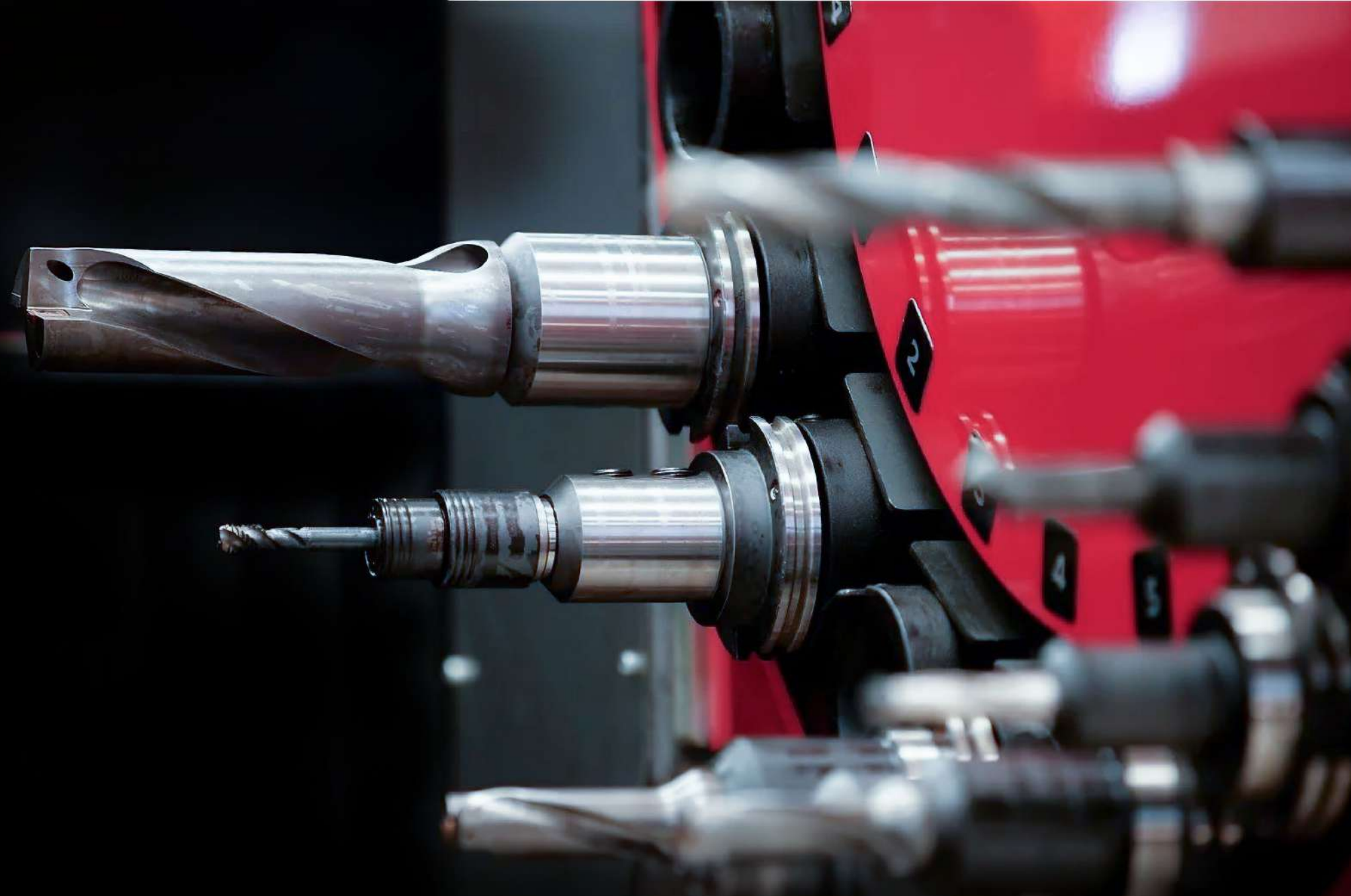
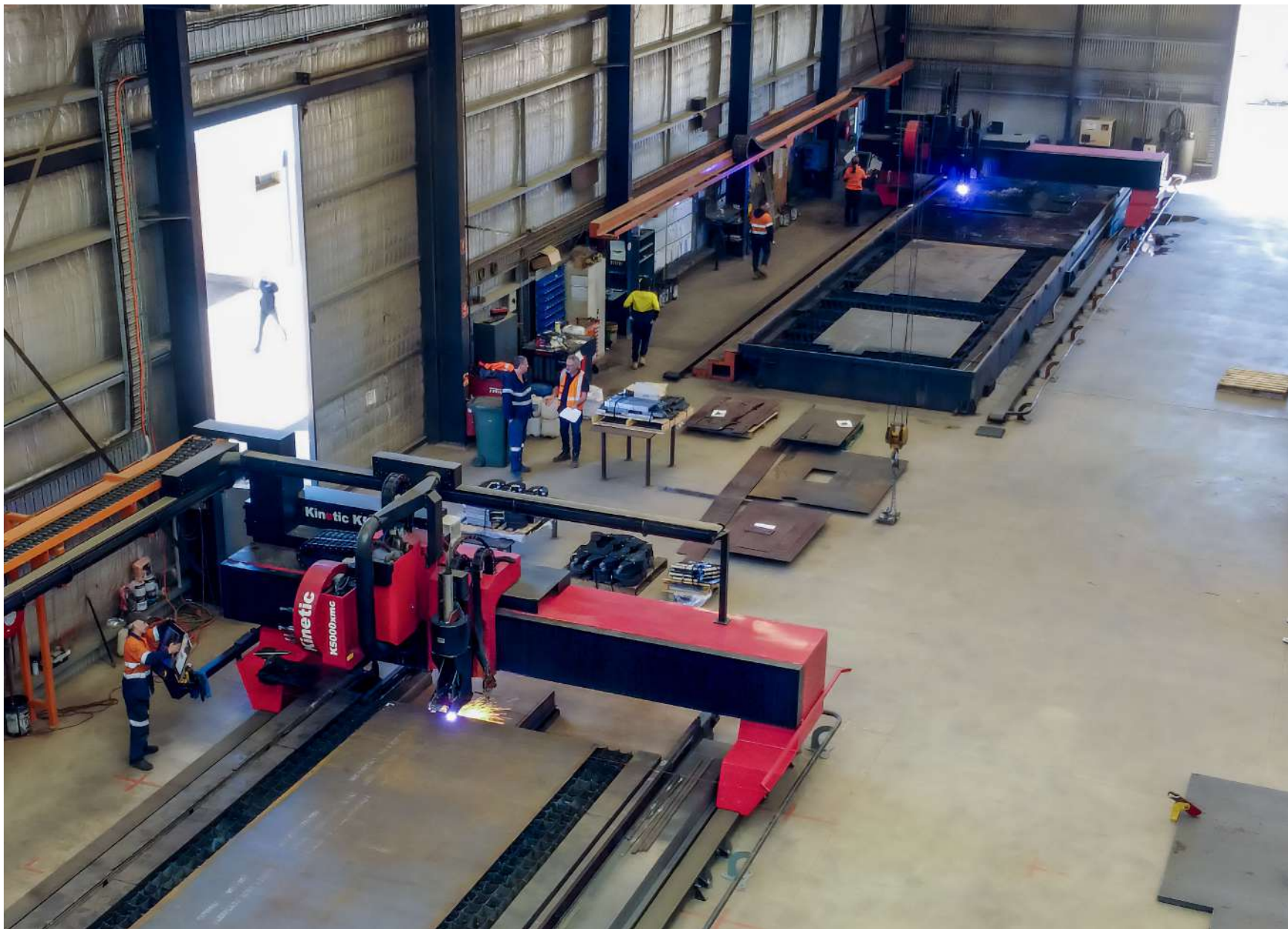


Engineered to redefine manufacturing capabilities, our pair of Kinetic K5000 set new standards in speed, accuracy, and versatility.

With a focus on maximising efficiency and ensuring exceptional results, the Kinetic K5000 machines are poised to decrease your lead time whilst ensuring precise results.

K5000 capabilities include plasma cutting up to 50mm (2") thickness, oxy fuel cutting up to 200mm (8") thick, and plasma and oxy-fuel bevelling on a 3.2m x 18m table.

We are proud to operate 2 Kinetic K5000XMC machines, increasing production and slashing lead times down for those urgent jobs.



Key Features

Precision beveled path

On varying thickness plate using the bevel head assembly accommodating both plasma and oxy.

Quick and accurate drilling

Up to 100mm, tapping to M50 and partial machining using the 48Hp spindle assembly combined with a 24 position automatic tool changer. With Countersinking and counterboring available.

High quality clearance holes

Programmed using the latest Hypertherm True Hole™ Technology.

Twin tables

With 2 units operating simultaneously, we can provide quick turnaround of projects with varying plate thicknesses.

Kinetic

Plate Rolling

FABTEC proudly presents the Davi Plate Roll, a precision-engineered plate roller. Its capacity and flexibility along with CNC capabilities allow it to meet the demanding requirements of multiple metal fabrication industry sectors with exceptional accuracy and efficiency.

Applications



Shipbuilding

Ideal to produce curved steel components used in shipbuilding, such as hulls, bulkheads, and deck sections.



Energy sector

Craft components for power generation, including wind turbine towers and oil rig components, with unmatched precision.



Transportation

From train components to specialised vehicle parts, the DAVI delivers excellence.



Water industry

Craft precision curved plates for pipes and pressure vessels used in water treatment, distribution, and storage systems.



Heavy machinery

Used in the manufacture of heavy equipment, including bulldozer blades, crane components, excavator buckets, loader buckets and mining equipment.



Key Features

Rolling capacity

The Davi Plate Roll is capable of rolling steel plates with dimensions of up to 3000mm in width and up to 60mm in thickness (thicker in smaller widths). This robust capability ensures versatility in handling a wide range of plate sizes and thicknesses.

Hardened rollers

Equipped with specially hardened rollers, the Davi excels in processing challenging materials such as Bisalloy and other quenched and tempered steels. These rollers are designed to withstand repeat heavy-duty rolling operations.

Precision and accuracy

The Davi delivers consistent and uniform results, designed to be at the forefront of industry standards, this level of accuracy is essential for applications where repeatability and precision are required.

Davi Plate Roll

The Davi Plate Roll is an indispensable asset to your metal fabrication needs, offering exceptional versatility and precision.

Its capacity to roll wide and thick steel plates, along with its ability to handle challenging materials, places it as a top choice for your next project.

FABTEC is proud to offer this cutting-edge solution to our clients, ensuring that their projects are completed with precision and efficiency.

Steel Processing

Our Single Spindle Drill Line is a state-of-the-art CNC drilling and milling machine designed to excel in structural steel and metal fabrication applications. Our company is equipped with this cutting-edge machinery to provide precision machining and fabrication services to meet your project needs.

Key Features

High precision drilling and milling

The drill line offers exceptional drilling and milling capabilities with pinpoint accuracy, ensuring that every hole, slot, or other machining operation is executed with the utmost precision.

Efficiency and productivity

The use of this machine results in improved production efficiency, shorter lead times, and cost-effective solutions for our clients.

Versatility

This CNC machine is versatile and capable of processing a wide range of steel components, including beams, columns, channels, angle, flat bars and plates, making it suitable for various structural fabrication projects.

Automation

This machine is equipped with advanced CNC technology accepting a multitude of 3D CAD files, allowing for automation and consistent quality control in every production run. This enhances efficiency and reduces the margin of error.

Customisation

We can program the machine to accommodate various specifications, ensuring that it meets the specific requirements of your project.

Other capabilities

This machine can also scribe for all your part markings and part numbers, as well as tapping and countersinking holes for job-ready parts.

Applications

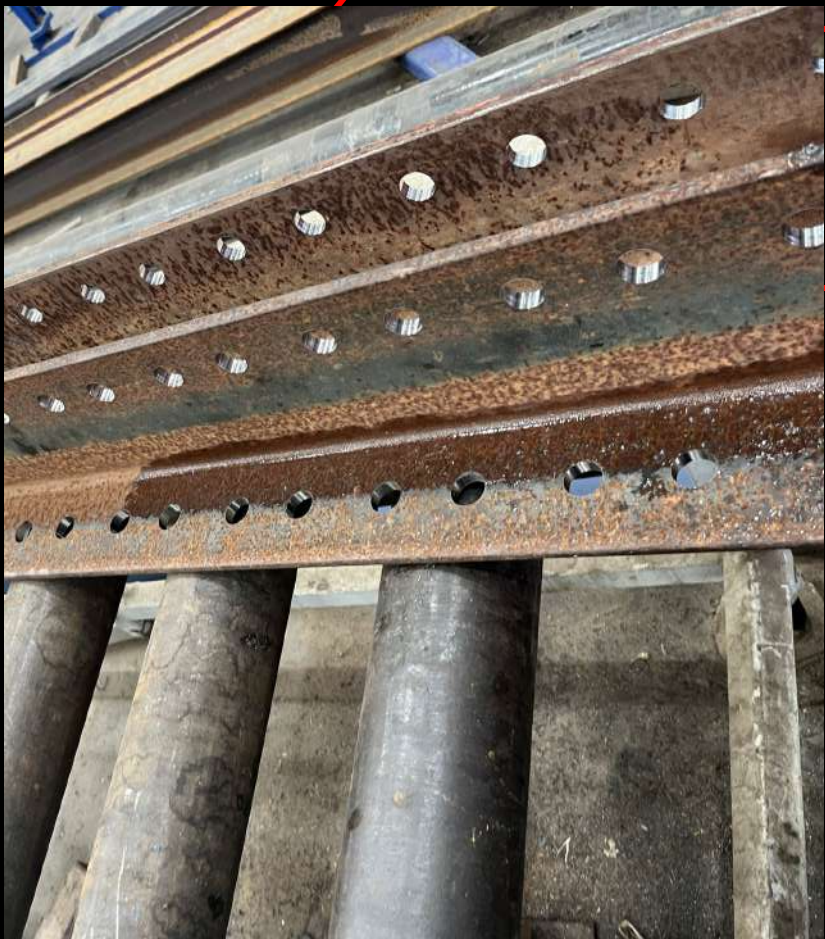
Oil and gas infrastructure

Industrial and commercial projects

Structural steel fabrication

Steel construction works

Bridge construction





Fabrication

At FABTEC, we take pride in our extensive and diverse fabrication capabilities. With a commitment to excellence, innovation, and quality, we offer a wide range of services to meet the unique needs of our clients.

Our expertise spans various industries, and we specialise in the following areas:

Platework

We specialise in precision platework fabrication, delivering tailored solutions for diverse industrial applications.

Bins and hoppers

Optimising material handling and storage, especially suited for the mining industry.

Structural steelwork

From beams to trusses, our structural steelwork expertise forms the foundation of your construction projects.

Pipework

Our skilled team excels in pipework fabrication, ensuring reliable fluid and air transport systems.

Refurbishing

We breathe new life into existing structures and equipment through expert refurbishing services.

Architectural steelwork

Our artistic approach to architectural steelwork enhances the aesthetics and functionality of your designs.

Stainless steel and aluminium

We work with stainless steel and aluminium to create corrosion resistant and lightweight solutions.

Titanium welding

Precise titanium welding expertise for projects requiring strength and durability in challenging environments.

Other services



Grit blast and painting

Our cutting-edge full recovery grit blasting booth, coupled with our advanced paint booth, guarantees superior protection for steelwork, offering resistance to both UV and corrosion.

Steel sales

We maintain an extensive inventory of steel to meet your everyday needs, including SHS, RHS, pipes, C-sections, flat bars, checker plates, grating, weld mesh as well as some stainless steel, and aluminium.

Onsite services

We have quite an artillery of onsite equipment such as: boomlifts, bobcats, excavators with auger and rock breaker attachments, tilt tray trucks with winch, portable air compressors and grit blasting unit, and diesel welders.

Sub Arc welding

For high quality, high deposition, deep penetrating welds for heavy-duty applications.

Hydro blasting

With capabilities up to 40,000 PSI and many different attachments, this machine can be used to cut steel in non hotwork areas, unblock pipework, scale back rusty surfaces in preparation for protective coatings and much more.

CNC pipe bending

Our advanced pipe bending machine excels in precision, capable of seamlessly bending pipes ranging from 15nb to 65nb.

Section rolling

Rolling up to 50mm round and 50mm square, Including angle profiles.

Radial arm drilling

Our robust machine can bore a 65mm hole at a 2m reach.

400 ton brake press

This machine can press up to a length of 7.2m and pairs well with 1200 ton brake press.

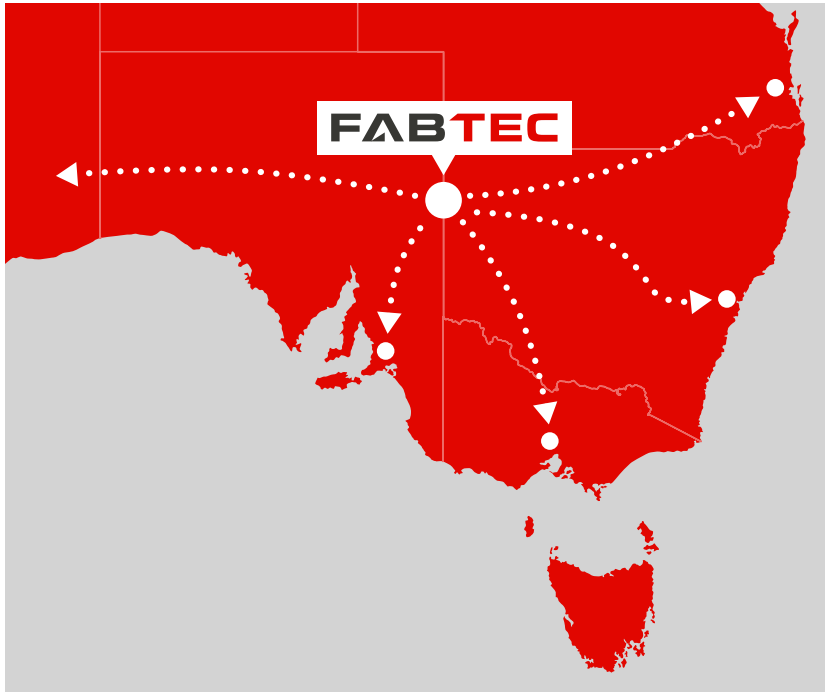




Delivery

FABTEC, strategically nestled on the border between New South Wales (NSW) and South Australia (SA), benefits from overnight reach for transport into three states QLD, SA, and VIC. Our proximity to major freight lines, including the crucial route through Broken Hill that extends all the way to Western Australia, provides us with seamless connectivity to a vast network of customers and suppliers.

This advantageous location not only facilitates efficient distribution but also underscores our commitment to serving clients across a broad geographic footprint.



At FABTEC, we are proudly Australian owned, operated and manufactured, and have been for over 30 years. We take pride in supporting local businesses, economies and industries while sourcing our materials from local suppliers.

We are committed to providing high quality products that are proudly Australian made.


It fills us with pride to know that we are providing not only the highest quality products, but in doing so are supporting current and future businesses within Australia.







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