

"Did you know that the electric arc reaches temperatures of up to 8,000°C and the plasma arc reaches an astounding temperature of up to 24,000°C?"



Fabrication & Welding

www.weservices.com.au

Capability:

- ◆ Fully certified according to AS 1554 Part 1 to 5
- ◆ GTAW, GMAW, FCAW-Welding
- ◆ TIG-Welding
- ◆ Wear plate pad welding
- ◆ Full penetration wear plate welding
- ◆ Aluminium welding
- ◆ Bore welding, pad welding and OD welding
- ◆ Flame correction
- ◆ Beam welding
- ◆ External NATA approved NDT-Testing

WES-Fabrication Services was founded in 2015 and has been continuously developed since day one. Our fabricators appetite for continuous learning to broaden their skill set in manufacturing of components for a variety of applications, has led to outstanding quality and performance. Transforming raw materials into functional components in compliance with our clients standards and expectations, is where our passion lies. Our Fabrication-Team's capabilities cover components made out of simple low grade steel up to complex materials with custom developed welding procedure specifications. In the past we have fabricated ground frameworks for reclaimers, stackers and ship loaders. Our WPS's, WPQR's and inhouse QC procedures are always on hand for our clients to view our high standards.



As a specialist in metal processing, the welding of welded components and assemblies is our core competence. Our ability as your supplier for welding components includes the precise welding of large assemblies to highly complex small parts. Benefit from our very well trained employees. Our welding engineers and specialists, produce your welding parts precisely, economically and of the highest quality.

Our Bogie Fabrications manufactured in house do not only follow client specifications but also have to pass our strictest quality controls to avoid structural failure during operation. All our fabrications are 100% NDT inspected prior and after stress relieving to ensure all welds are free of defects. Straightness & squareness after stress relieving are essential for the machining process to ensure that all important surfaces perfectly clean up and the required tolerances can be achieved.



We also offer a vast range of refurbishment services. Pad & Bore welding on essential worn surfaces such as bearing journals is what we specialise in. In situations where important information for the required tolerances is missing, we have you covered through our Reverse Engineering Services. Our engineering department has the right methodologies to determine the missing sizes required for its specific application.



Our welded bronze pins are used in the 2 wheel bogie pin arrangement for Stackers and Reclaimers. We have specifically developed a process to achieve the required material fusion for this specific application.

Furthermore, we are specialised in welding on hardened materials such as Bisalloy, Hardox, Creusabro etc. The welding process can be challenging due to the required process for pre heat, hold heat and monitoring the cooling curve to avoid cracking and the failing of critical welds.

