



**ON-SITE LINEBORING
& MECHANICAL
SERVICES**





At Berg, we provide clients value-adding solutions that reduce operating costs, maximise performance, and extend asset life. We achieve this by applying holistic, responsive engineering solutions at every stage of an asset's lifecycle, and by staying true to what makes us unique: precision, collaboration, trust, and experience.



Mission

At Berg we believe in working in partnership with our clients in order to understand their asset management or maintenance issues. We utilise this information to provide innovative, high quality, cost effective and tailor made solutions that work!

Our clients receive unparalleled service through our network of highly skilled machinists, the availability of our 24-hour response service / quick response facilities and our full range of portable machining, welding and testing capabilities.

Whether the project is large scale or small, our services and solutions assist in maximising production, extending asset life and ensuring safe and reliable plant operations.

Mobile machining and welding repairs

Berg can mobilise to any site and perform repairs to any type of mining, mobile equipment or fixed plant. We can perform repairs to your equipment in-situ without the need for costly removal of large components.

Berg Provides state of the art machining, mechanical fitting and repair welding services ensuring all parts and components are manufactured in accordance with the latests design standards such as AS, ISO, ASTM and ASME.

Service capabilities include:

- ▶ Lineboring - 35 to 1500mm
- ▶ Lathing - 95 to 285mm
- ▶ Milling
- ▶ Keyway Milling - 3 to 50mm keys
- ▶ Flange Facing - 0 to 5000mm
- ▶ Clamshell Cutting - 25.4 to 1800mm
- ▶ Laser coupling alignment





Lineboring

Our portable line boring facilities offer a comprehensive service for inside diameter welding and on-site precision machining up to 1500mm in diameter.

Capabilities include:

► Boring

► Facing

► Welding

► Lathing

A Berg we focus on providing integrated, efficient and practical designs to achieve high quality, cost effective solutions. Our fully equipped machine shop, fitting and welding bays are capable of repairing rotatable equipment (lateral links, dozer equaliser bars, excavator "H" links and tipping links) buckets, GE equipment, earthmoving equipment repairs, removing bushes, measuring bores, setting up machining equipment, supply bushes/pins, fitting of bushes (Liquid nitrogen or dry ice) and Plasma Arc Transfer Hard facing welding.

Commissioning and decommissioning

Berg can manage equipment removal, dismantling and decontamination services while protecting plant personnel from physical and environmental hazards. You can trust Berg to take the hassle out of managing sub contractors by allowing us to manage the entire commissioning or decommissioning process to achieve the best result.

Supervision and project management

With today's lean staffing, plants often do not have sufficient resources in-house to oversee activities necessary to keep complex equipment and systems in peak operational service.

Our experienced team of engineers and senior inspectors can work on-site with plant personnel or independently to provide solutions to problematic equipment and components issues. By reviewing operating data, performing non-destructive examinations and conducting performance tests, we can identify the root causes and recommend and implement corrective actions.

Troubleshooting solutions

In an effort to avoid break downs or maintenance issues, Berg can provide various troubleshooting solutions including risk based inspections to help minimise machine down time, thus saving valuable resources.

On-site machining and rapid response breakdown service



All Berg parts and components are manufactured to meet or exceed the latest design standards. By using Berg, our clients receive the highest quality parts and components for reliable operation and the lowest equipment ownership costs.

Re-engineering

Berg can re-engineer and produce components for equipment that is obsolete or where the original equipment manufacturer is unable to assist or cannot meet the operating demands of your business.

Quality assurance

Berg provide a series of high quality non-destructive testing methods to measure material composition such as LPI, MPI and UT. We also have the capability to provide mechanical and chemical analysis by using methods such as XRF technology. This allows for higher quality control checks of all incoming raw materials ensuring compliance with national and international standards and client specification. Furthermore, Berg has a NATA endorsed laboratory in the Gladstone facility that offers further quality assurance for your asset.

Asset optimisation program (AOP)

We understand that globalisation, competition from emerging markets, and price pressures are constantly driving asset owners and operators to achieve greater performance and cost reductions. Through a collaborative approach, Berg can provide the end-to-end management of agreed rotatable assets– unlocking potential and achieving exceptional cost savings, while maintaining the highest possible safety standards.

Because the AOP is modular, the program can be implemented and applied to a discrete piece of equipment, before being expanded to include additional assets upon meeting agreed targets. In our experience, proving the AOP's value-adding capability with a single asset class is the best way to quickly build our clients' confidence, at minimal perceived risk.



Our unique approach allows us to manage assets at every stage of the lifecycle, thereby creating a tailored solution for each of our clients. To find out about our other capabilities, please visit our website at www.bergengineering.com.au