

CAPABILITY STATEMENT

DESIGN AND DELIVERY OF PURPOSE BUILT LIGHTWEIGHT FABRICATION PROJECTS

The engineering and trades team at Quarry Mining specialises in delivery of the built solution of customised lightweight fabrication projects.

Our university qualified Engineers project manage our in-house trades' staff to ensure the most efficient delivery and highest quality of your customised, fit for purpose tool.

All finished products are supported by:

- Fully agreed scope of works and fee prior to commencement
- Full engineering design drawings and documentation
- Plant Safety Files
- Introduction to Site Documentation
- Ergonomic Assessment for tool usability where required.

IN-HOUSE CAPABILITIES

Engineering Design

- Full engineering design drawings and detailed reports to client specifications
- Load and Stress Analysis
- Certification – via Third Party
- Full Plant Safety File and Introduction to Site Documentation

Scale of Fabrication

- Overhead 10 Tonne Crane
- Cut up to 310 x 205mm (rectangular capacity)
- Individual Component Size
 - Maximum component size approx. 3000(l) x 2000(w) x 2000(h)mm
 - 16mm wall thickness

Shop Floor

- State of the Art CNC Machining Centre
 - 12 x CNC Multi-tasking centres
 - 4 x automated robotic cells
 - Award winning unmanned technology
- Plasma Cutting
 - Mild Steel – up to 25mm
 - Stainless Steel – up to 16mm
 - Maximum Sheet Size of 3000 x 1500mm

CAPABILITY STATEMENT continued

- Welding
 - SMAW
 - GMAW/MIG
 - FCAW
 - GTAW/TIG
- Ring Rolling
 - Max. 2" Diameter
 - Max. 2mm Thickness
- Heat Treatment
 - Through Hardening via Sealed Quench Furnace
 - Tempering and Stress Reliving

Post Fabrication

- Tumble Shot Blasting
 - 800x550mx550m
- Paint Coatings

Key Personnel

The Quarry Mining Engineering Team and Support Staff are made up of:

- Six University qualified Mechanical / Mechatronics Engineers
- One Metallurgist
- Three Boilermakers
- Nine Trades Assistants
- Work Health and Safety Manager