
Capability Statement

Monarch General Engineering

Machining, Fabrication, Repairs, Sheet Metal and Practical Workshop Support

Monarch General Engineering is the engineering workshop division of Monarch Asia Pacific Pty Ltd, based in Brendale, Brisbane. We provide practical machining, fabrication, sheet metal, repair, modification and maintenance support for industrial customers requiring dependable workmanship, clear communication and realistic turnaround times.

Our workshop supports both external engineering customers and Monarch Industrial Products' filtration manufacturing work. This gives us broad experience across general engineering, industrial maintenance, custom fabrication, filter and strainer components, production support, repair work and one-off manufactured parts.

Monarch General Engineering is suited to customers who need a responsive Brisbane workshop capable of handling practical, hands-on jobs that require trade skill, problem solving and reliable results.

Core Capabilities

Monarch General Engineering provides a wide range of workshop services, including:

- General lathe work
- Manual milling
- One-off machined parts
- Small production runs
- Repairs and rework
- MIG and TIG welding
- Spot welding and resistance welding
- Micro resistance welding for fine mesh and filtration components
- General fabrication
- Sheet metal cutting and forming
- CNC plasma cutting
- Hydraulic guillotine cutting
- Hydraulic pressbrake folding
- Cone forming and rolling
- Laser etching and engraving
- 3D printing and rapid prototyping
- Fusion 360 CAD support
- Equipment maintenance, refurbishment and upgrades
- Filter and strainer skid fabrication
- Custom brackets, frames, guards, plates, components and assemblies

Machining Services

Our manual machine shop provides flexible and cost-effective machining support for one-off parts, short runs, repairs, modifications and maintenance work. Manual machining remains highly suitable for many industrial jobs, particularly where the requirement is for a single part, urgent repair, modification, or component made from a drawing, sample or measurement.

Typical machining work includes:

- Shafts, bushes and spacers
- Bored, faced, turned and threaded components
- Milling, slotting and drilling
- Rework of worn or damaged parts
- Modification of existing components
- Custom replacement parts
- Small batch parts for production or maintenance use

Welding and Fabrication

Monarch General Engineering provides welding and fabrication services for mild steel, stainless steel and aluminium. Our workshop can support custom builds, equipment repairs, brackets, frames, guards, pipework support items, fabricated parts and industrial assemblies.

We offer MIG and TIG welding, spot welding and specialised micro resistance welding. The micro resistance welding capability is particularly valuable for fine woven wire mesh, filter screens and delicate filtration components where control and precision are required.

Sheet Metal and Forming

Our sheet metal capability supports a wide range of industrial and fabrication work. Services include CNC plasma cutting, guillotine cutting, pressbrake folding, cone forming and rolling. These services allow us to manufacture custom plates, brackets, guards, panels, cones, transitions, supports and formed components to suit customer requirements.

CAD, Prototyping and Identification

Monarch General Engineering can work from customer drawings, sketches, samples, DXF files, CAD files or practical measurements. Our Fusion 360 CAD capability helps streamline quoting, drawing review and manufacture.

We also offer 3D printing and laser etching services for prototyping, identification, marking, labels, custom parts and development work.

Maintenance, Repairs and Upgrades

A key strength of Monarch General Engineering is practical support for maintenance and plant reliability. We can assist with urgent repairs, replacement parts, refurbishment, equipment modifications and upgrades designed to improve performance, serviceability or throughput.

Typical support includes:

- Breakdown repair assistance
- Replacement parts made from samples or drawings
- Worn component repair or remanufacture
- Equipment modifications
- Fabricated replacement parts
- Improved brackets, guards, covers or supports
- Practical workshop solutions for plant maintenance teams

Industries Served

Monarch General Engineering supports a wide range of customers, including:

- Manufacturing businesses
- Water and wastewater operators
- Food and beverage processors
- Mining and industrial maintenance teams
- Process plants
- Contractors and installers
- OEM equipment suppliers
- Industrial service providers
- Local Brisbane businesses requiring workshop support

Why Choose Monarch General Engineering

Customers choose Monarch General Engineering because we provide practical workshop support with a focus on quality, communication and dependable results.

Our strengths include:

- Brisbane-based workshop in Brendale
- Experienced trade and technical capability
- Flexible support for one-off jobs, repairs and small runs
- Machining, fabrication and sheet metal services in one location
- Ability to work from drawings, CAD files, samples or practical measurements
- Strong experience in industrial filtration-related fabrication
- Clear communication and realistic lead times
- Practical problem solving for maintenance and production requirements

Summary

Monarch General Engineering provides reliable machining, fabrication, sheet metal, repair and workshop services for industrial customers. Whether the requirement is a machined component, welded assembly, sheet metal part, urgent repair, prototype, equipment modification or custom fabrication, Monarch General Engineering offers practical Brisbane-based support backed by experience, workmanship and a well-equipped workshop.