



SYSTEM & APPLICATION DESIGN



With the support of a dedicated head office based Engineering and Design Group and a national network of Berendsen branches, Berendsen's Mackay Branch is able to provide a complete range of engineering services and specialised assistance in a range of areas including:

- Application engineering and re-engineering for optimum performance.
- Installation and commissioning of complete systems.
- Project management of small to large hydraulic projects.
- Process improvement.
- Reference and resource compilation.
- Quality process maintenance.
- Product research and development.

DISTRIBUTION

Berendsen's Mackay Branch is a distributor of a large range of leading hydraulic brands including:

 Hydraulic Connectors & Accessories	 Hydrostatic Transmissions, Pumps & Motors	 Pumps, Valves, Motors & Cylinders	 High Torque Motors & Power Steering	 Failsafe Brakes	 Planetary Final Drives & Wheel Drives
 Filters & Hydraulic Accessories	 Cartridge Valves	 Solenoid Cartridge Valves	 Screw In Cartridge Valves	 Monoblock & Modular Directional Valves, Gear Pumps	 Radial Piston Motors
 Hydraulic Gear Products	 Agricultural Cylinders	 Hose & Fittings	 Modular Directional Valves	 Mini AC & DC Power Units	 Specialised Tools & Equipment
 Filtration, Separation & Purification Solutions	 Monoblock & Modular Directional Valves	 Planetary Gearboxes	 Hydraulic Gear Pumps	 Hydraulic Manifolds	 Accumulators & Heat Exchangers

ADELAIDE - BRISBANE - BUNDABERG - GEELONG - MACKAY - MELBOURNE - NEWCASTLE  
PERTH - SYDNEY - TOOWOOMBA - TOWNSVILLE - WOLLONGONG



CALL 1800 704 167  
info@berendsen.com.au



Berendsen Fluid Power is Australia's largest locally owned hydraulic company and offers the nation's most comprehensive range of fluid power products, service and repair facilities, and system solutions nationwide.

Sales Personnel provides total comprehensive support in all facets of hydraulics. Additionally, Berendsen's Mackay Branch team ensures a high standard of environmental and OH&S compliance is maintained throughout all elements of the Branch's operations.

Berendsen Fluid Power's Mackay Branch has extensive experience and ongoing involvement in fluid power applications across a wide range of industries, including mining (open cut and underground mines), fixed and mobile plants, sugar, manufacturing, agriculture and transport.

Berendsen's Mackay team of experienced Field and Workshop Technicians, Sales and Application Engineers, Managers and Internal



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## BERENDSEN MACKAY'S FACILITIES

Berendsen's Mackay Branch was custom built in November 2004, providing a fully equipped, modern workshop and office, featuring a workshop floor space of 1600 m<sup>2</sup>. The facilities at Berendsen's Mackay Branch include:



### Component Testing

- Hydraulic test centre consisting of four individual test rigs.
- The largest test rig is capable of testing pumps and motors up to 55 kW input capacity.
- The smallest test rig has a flow rate of 45 l/min at 3000 psi (207 bar).
- Solcenic 400 tonne cylinder test rig that can test up to 5000 psi (345 bar).

### Stripdown and Assembly

- Eight standard fitter benches with component mounting capability, via standard bench and chain vices.

### Honing Facilities

- Honing machine capable of honing diameters from 88.9 mm to 342 mm and from 600 mm to 5000 mm in length.

### Lifting

- Overhead crane with lifting capabilities up to 5 tonne.

- Forklift with lifting capabilities up to 3 tonne.

### Cylinder Stripping and Testing

- Two horizontal cylinder locking/unlocking stripping bench capable of stripping cylinders up to 9000 mm in length, with torque head capability of 1000 Nm.
- 6000 mm vertical stripping rig for Luffing Cylinders.
- Choc leg testing up to 400 tonne.

### Turning Capabilities

- Manual lathe, with up to 400 mm swing and 2000 mm in length.
- Manual lathe, with up to 1000 mm swing and 5000 mm in length.

### General Machining

- Milling machine.
- Radial arm drill with 1400 RPM and 50 mm drill capability.

### General Facilities

- Hose bay with crimp machine.
- Welding bay.
- Component wash bay.
- Spray paint bay.



## LONGWALL 400 TONNE TEST RIG

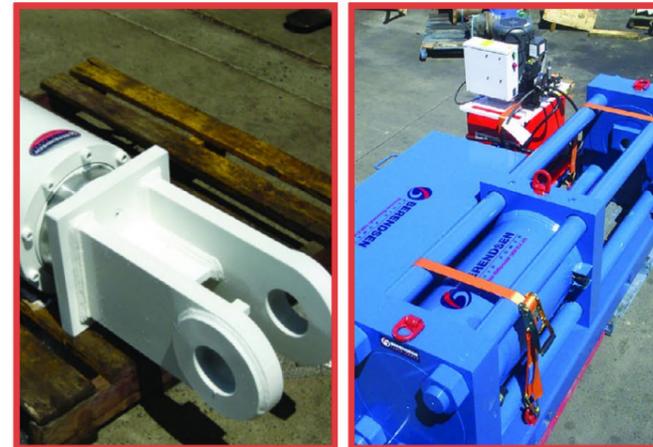


Berendsen's Mackay Branch provides extensive services to the mining industry, with their 400 tonne test rig that is dedicated to Longwall mining. Capable of Full Retract, Mid Stroke and Extend Test, the rig is able to test within the following specifications:

- Pressure range from 3000 - 10000 psi (207 - 689 bar).
- 400 tonne load.
- Cylinders with an outside diameter up to 500 mm.
- Cylinder extension clevis to clevis up to 2800 mm.

## MANUFACTURE

We are pleased to be able to offer our customers the benefits of our manufacturing facilities, located in Newcastle & Geelong, where we design and manufacture standard and customised products including cylinders, manifolds, hydraulic hoses and power units. With multiple CAD and CAM stations, our engineers are able to efficiently develop and visualise solutions to meet specific requirements.



Everything Berendsen manufactures is of the highest quality and made to the appropriate Australian standards. Berendsen is a Quality Endorsed Company.

CALL 1800 704 167 | [info@berendsen.com.au](mailto:info@berendsen.com.au)

## SERVICE AND REPAIRS

The hydraulic service and repair capabilities of Berendsen's Mackay Branch include:



- 24 hour, 7 day a week after hours service support.
- Preventative maintenance programs.
- Extensive stock holding and spare parts support service.
- Experienced and qualified field service technician with fully equipped service vehicles capable of providing all types of on site repairs and service.
- Repair and overhaul of pumps, motors, cylinders and all types of hydraulic components and systems.