


# Hydrapower SYSTEMS

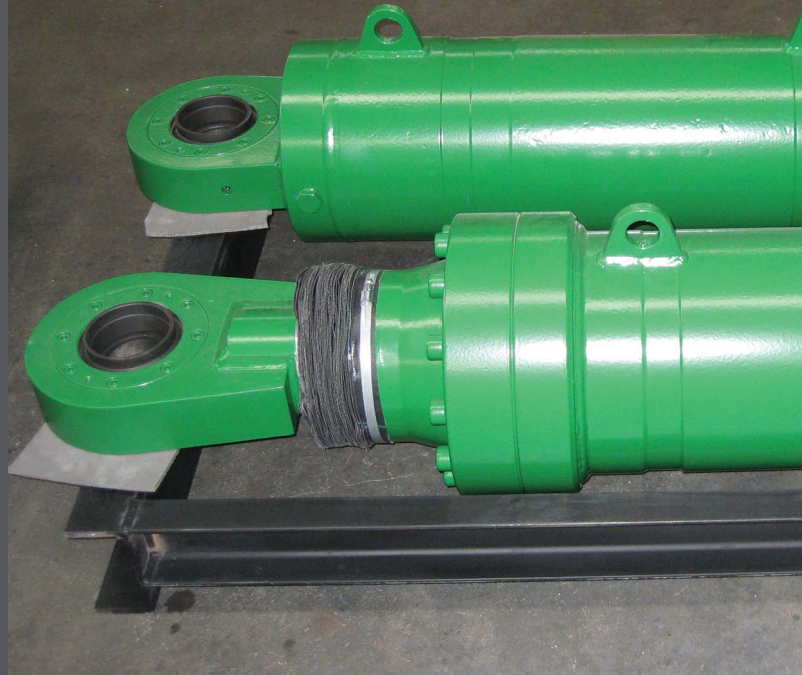


*For Project Engineers,  
Innovative OEM's,  
Energy Generators and  
Product Development  
Engineers who demand  
high quality hydraulic  
cylinder solutions.*

 Hydapower Systems is an innovative hydraulic cylinder manufacturer based in New Zealand and supplying globally.

### WE SPECIALISE IN

- Non-Standard Cylinders
- OEM Product Development
- Special Materials
- Extreme Environments and Applications
- High Precision Stroke Tolerance Options
- Integrated Circuits including; Load Control, Directional, Regeneration Circuits, Position and Pressure Sensors
- Up to 14" Bore x 6.0M Stroke



### WE WORK WITH MANY INDUSTRIES

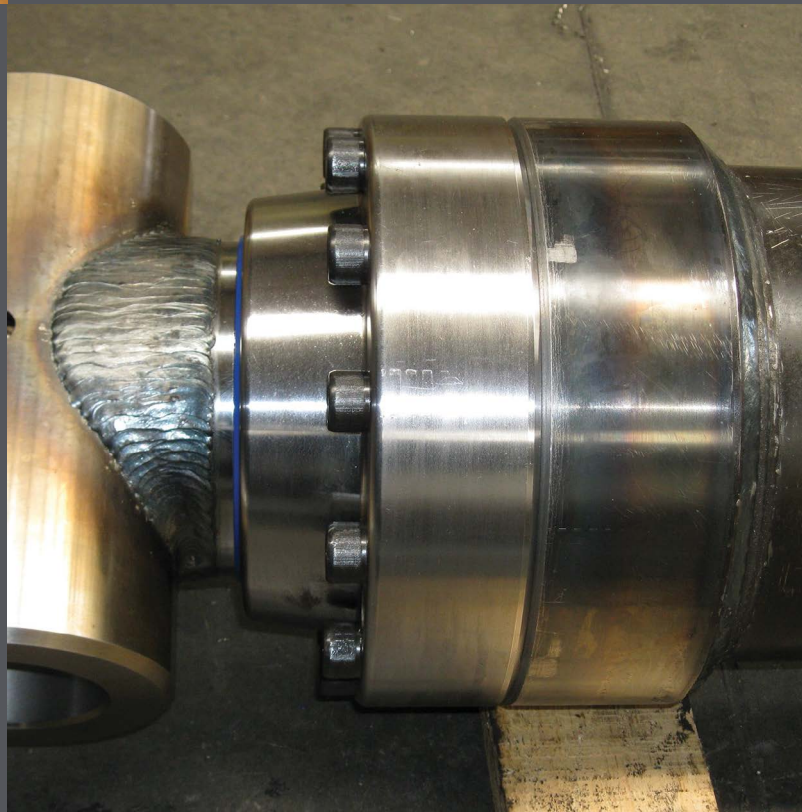
- Industrial Manufacturing
- Forestry
- Power Generation
- Marine
- Civil and Mining
- Defence
- Bulk and Material Handling

All components are manufactured in-house using the latest CNC technology for accuracy and cost effectiveness. Cylinders are pressure tested and cycled in accordance with ISO 10100:2001.

### OUR CAPABILITES INCLUDE

- Cylinder Design – Concept to Detailed
- Engineering – Development, FEA, Consulting
- Manufacture – Lean, JIT, flexible supply chain options
- Machining – Contract CNC
- Service – Christchurch and Global Service Agents

**Hydapower Systems** have continuously invested in CNC machine capabilities. Combined with our latest ERP system our design engineers and production planners can work with your procurement team to manage your supply chain needs.



# Hydrapower

MACHINING

**Hydrapower Machining** offers a range of cost-effective CNC machining options for businesses looking to outsource their specialist machining requirements. Talk to us about your contract machining needs.

- CNC Lathes x 3
  - Bar Feeder
  - Live Tooling
  - Max. 176mm Spindle Bore
  - Up to 4M between centres
  - Max. Swing 750mm
  - Gun & Deep Hole Drilling up to Ø63.5mm x 5M
- CNC Vertical Machining Centres x 2
  - 3 and 4 Axis
- Turret and Centre Lathes
- Horizontal Borer - X800, Y710, Z1010
- Vertical Mill
- Welding Facilities MIG / TIG / MMA / Gas



# Hydrapower

SERVICE

**Hydrapower Service** can repair, overhaul and re-manufacture hydraulic cylinders of any shape or size. Because we are a hydraulic cylinder OEM we can machine components to exact specifications and have a fast turnaround.

- Re-tubing
- Shaft Repair and Replacement
- Component Re-manufacture
- Reseal
- On-site Paint Bay
- Test Area – we test all cylinders to ISO10100:2001
- Large range of Hallite Seals in stock

We also stock a large range of raw materials; Up to 10" Honed Bore Tube, up to 6" HCB and a selection of chromed stainless shaft.



- FEA to validate part and assembly drawings
- Stress and fatigue calculations
- 3D Modelling and Engineering drawings
- Complete Hydraulic System design

Using our combined experience and modern design technology we can provide a cylinder solution specifically engineered for your needs

- Integrated Hydraulic Circuits
- Positional sensing / feedback
- Tailored cushioning
- Tooling and Punch applications
- Low friction servo performance
- Heavy duty Mill type
- Customised mounting configurations
- Extreme environment applications
- Shaft-locking mechanisms
- Slave pump cylinders
- Constant velocity telescopic
- Accumulators

