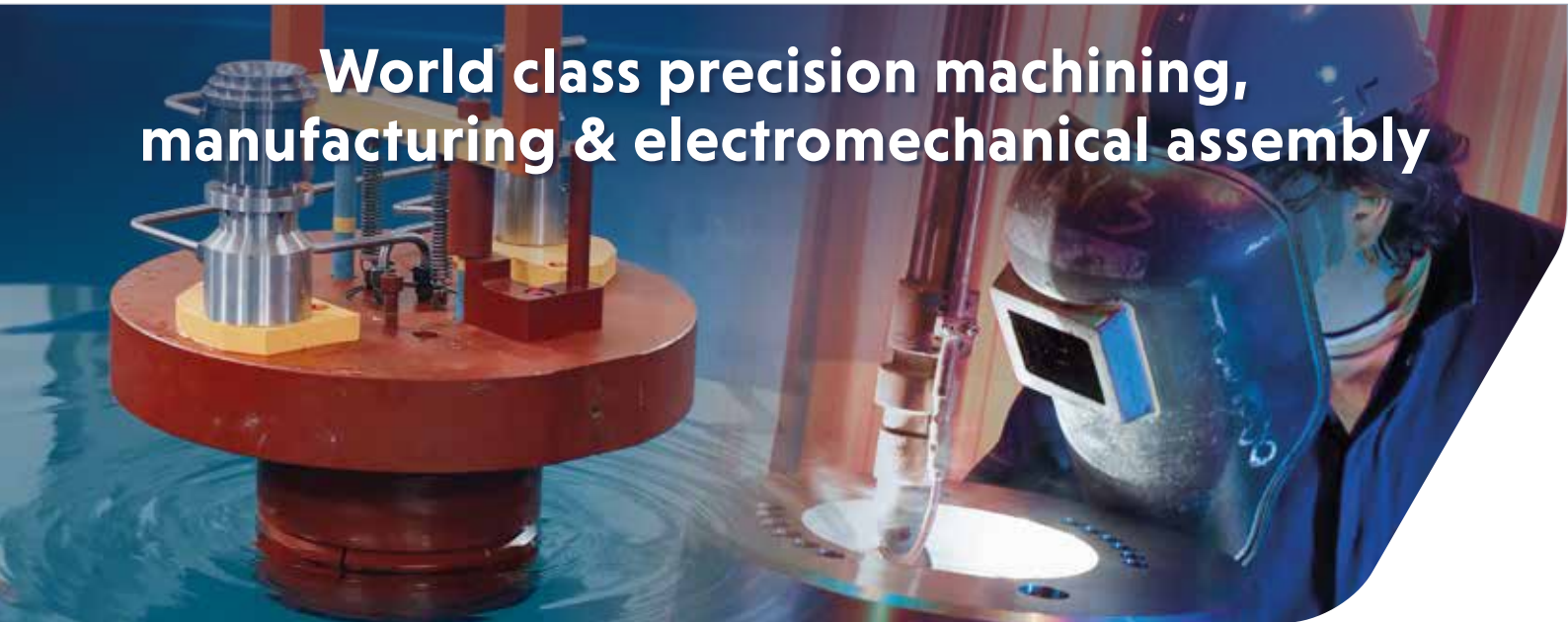




World class precision machining, manufacturing & electromechanical assembly



CNC Machining

A wide range of Millturn Machines, Vertical Borers and Horizontal Borers are operated by a dedicated team of machinists trained to the highest of standards. This allows them to exploit the full capabilities of our machine tools including features such as;

- 5 Axis Machining
- Facing & Contouring Heads
- Multi – Angled Milling Heads and Outfacing Bars

Assembly & Pressure Testing

Approved Hydrostatic and Gas testing facilities in-house, complete with full electronic data recording capabilities for real time production of certification.

- 2 x 550 m² Assembly and Pressure Test Facilities
- Lifting capabilities of 20 ton
- Hydrostatic Pressure Testing up to 23,000 psi
- Gas Testing up to 20,000 psi



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Weld Cladding & Overlay Facility

The compact and vertical cladding systems of our established supply chain partners are designed to perform fully-automated GTAW build-up of corrosion-resistant alloy welding on engineered components for the oil & gas, petrochemical and engineering sectors.

Modern Butt Welding Stations are designed to perform automated GTAW butt welds. The use of automation gives improved quality control and repeatability for batches of components.



Electric Post Weld Heat Treatment (PWHT) & Stress Relieving ovens suitable for the heat treatment of welded components to industry standards/requirements or for stress relieving operations which assists with maintaining machining tolerance during production.



Coating & Finishing

All coating processes are qualified in line with customer/industry requirements

- Norsok M-501 System 7 B & C, System 1 coatings
- Phenolic Based Thermosetting Resin (PTFE) coatings
- Phenolic Based Thermosetting Resin (Primer with Moly Disulphide) coatings
- Everslik 1201/1301 Bonded Molybdenum Disulphide Coatings
- Polyurethane Coatings
- Phosphating process – M-ZN 4333
- Shot blasting (aluminium 60-80)
- Coating inspection personnel Nace level 2, ICorr level 3 qualified



Electromechanical Assembly

Howco Scientific is involved in a number of sectors including Oilfield, Semi-Conductor and Scientific Instrument Industries and our vision is to become a one-source supplier for all our customers' turnkey manufacturing requirements.

We provide turnkey electromechanical assemblies and sub-assemblies to customer drawings/designs/specifications.

- Aqueous UHV cleaning
- Cleanroom technology (Class 10,000)
- Electromechanical Assembly
- Helium leak checking (Min. detectable leak rate < 5 x 10⁻¹² mbarL/s)
- Engineering Support



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