

**HOFMANN
ENGINEERING**

**ENERGY
POWER
STATIONS**

Steam Turbines

Coal Pulverising

Gas Turbine Gearboxes



Since 1969 Hofmann Engineering has provided specialist engineering services to Australia's industry leaders.

Quality Assurance certification by Lloyds complements our total quality culture.

Our commitment to continuous quality-improvement touches every aspect of our products, services and customer support.

HOFMANN ENGINEERING PTY LTD

3 ALICE STREET,
BASSENDEAN, PERTH,
WESTERN AUSTRALIA 6054

Telephone: +61 8 9279 5522

Facsimile: +61 8 9279 9386

Net: www.hofmannengineering.com

Email: mail@hofmannengineering.com

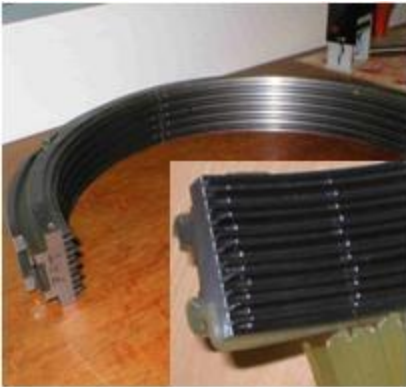


**COMPLETE TURBINE
WORKSHOP OVERHAUL**

- 200 Ton Crane Facilities
- Bead Blasting Facilities
- Metrology Laboratories
- Turning to 4m dia x 35m long
- 6 x Floor borers up to 18m travel



- 9 x Vertical Borers (4 CNC)
- 5 x Co-ordinate Measuring Machines
- 2 x Portable Measuring Machines
- 2 x Laser Tracker
- Largest Heat Treatment Facility in Australia
- 7 x 5 axis machines including hard machining of titanium



MANUFACTURE

- New seals from castings (including S/S) or forgings.

Re-engineering from samples.

REFURBISHING

- Re-caulking of seal strips to refurbish diaphragm seals.



MACHINING

- Machining a casing on a floor borer. Check split face for distortion and remachine if necessary.



MACHINING

- Rotor of approx Ø3m. Removal of blades and finish machining of new blades.



INTERNALS OF A GAS TURBINE GEARBOX

Ability to fully inspect, manufacture and refurbish all components.

- Precision Grinding of the gearing to Din 3 quality.



REFURBISHING

Gas turbine gearbox that is being stripped, assessed, completely refurbished and load tested.



COAL MILL GEARBOX REFURBISHMENTS

- Onsite removal
- Manufacture of components
- Worm & wheel manufacture
- Total refurbishment
- Onsite installation



ONSITE SERVICES

Onsite measuring using our portable coordinate measuring machine. This can measure in a single set up Ø2.4m to an accuracy of 0.025mm (0.001"). Photo shows performing flatness check on a lower casing. Compliments our Laser Tracker which can span 25m in one setup.



SPARE PARTS

- Studs from High Temp Steel
- S/S Springs
- Governor valves, rollers, positioner etc
- Cylinder locking strips
- Control shafts



OVERHAULING A COMPLETE TURBINE ARRANGEMENT

- Total overhaul within the one premises
- Customer office available on request.