

**HOFMANN
ENGINEERING**

**ONSITE
SERVICE**

**CONSULTATION
INSPECTION
MACHINING
FITTING**

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.

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WORLD WIDE MILL AND KILN SITE INSTALLATION & SERVICE

Installation by the Hofmann Site crew of Hofmann Engineering manufactured girth gear, and a twin pinion self-align gearbox, inching drive & electric motor at a Gold mine in Ghana.



SUGAR MILL GEAR INSTALLATION & ONSITE SERVICES.

- Consultation and Inspection of complete drive train including detailed analysis and reporting.
- Laser alignment and installation of the complete drive train.



HOFMANN ONSITE GEAR RECONDITIONING PROCEDURE

Using the Hofmann case hardened pinion as the accurate master and then precision in-situ grinding and using a special chemical etchant to in-situ recondition the worn mating gear.



DRAGLINE & SHOVEL SITE WORK

- Hofmann Engineering completely:
- Inspect, audit and condition monitor critical dragline and shovel components.
 - Do complete site installation including machining and welding.



ONSITE MACHINING SLEW BEARING

- Design, manufacture and operation of specialized on-site machining equipment to solve your site machining problem.
- Perform large site machining projects to 14m dia.



TRUNNION JOURNAL MACHINING AND REPAIR

- Max dia: 3600mm.
- Remove/replace trunnion roller bearings using oil injection and specialized extraction and bearing installation jigs.
- Scrape in white-metal/bronze bearings.



RE-MACHINING TRUNNION FLANGE FACES

- Max dia: 14000mm.
- Onsite removal & installation of trunnion.
- Onsite refurbishment & machining of mill trunnions.



ONSITE MACHINING OF MILL SHELLS

- Special trunnion journal alignment tooling to insure that both trunnion journals are in-line.
- Mill refurbishment.
- Shell crack inspection and weld repairs including stress relieving.



REPAIR TRUNNION BOLT AND LINER BOLT HOLES

- Purpose manufactured tooling for production drilling/boring and tapping.
- Re-bore and sleeve worn liner bolt holes to prevent liner bolts from breaking.



OIL & GAS, RIG EQUIPMENT REPAIRS

- ONSHORE & OFFSHORE**
- Onsite machining, fitting & laser alignment.
 - Gearbox & gears manufactured and repaired.
 - Pump and valves installed and serviced.



LASER ALIGNING

- Laser alignments of drive trains for mills, kilns, turbines etc.
- Girth gear/pinion installation.
- Gearbox bore laser alignment inspection
- Engine block crankshaft bore alignment inspection and rectification.



MACHINING GEARBOX MOUNTING FLANGE

- Flange & bore refurbishment.
- Site inspection and drafting.
- Special purpose machinery designed and manufacture to suit your application.
- Bolt tensioning equipment.



LINE BORING, WELDING AND ON-SITE MACHINING

- Repair of bucket bores.
- Onsite line boring— engine blocks, ship propeller housings, crushers.
- Line boring and drilling to 3m dia x 6m L.
- Milling of keyways and surfaces.
- Site Welding and heat-treatment.



KILN TYRE REFURBISHMENT BY IN-SITU GRINDING

- Kiln roller and tyre refurbishment by machining and grinding.
- Crusher rolls in-situ grinding to remove uneven wear.