

SITE SERVICES

- CONSULTATION • INSPECTION
- MACHINING • FITTING

Hofmann Engineering is renowned for solving site problems where others fail. Specialised site service teams are deployed globally for installation and general servicing of gearing and other manufactured products.



SPECIALISED MACHINING AND FITTING ACROSS THE GLOBE



ON-SITE MACHINING OF MILL SHELLS

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



HOFMANN ON-SITE GEAR REPAIR & RECONDITIONING PROCEDURE

Using the Hofmann Engineering case hardened pinion as the accurate master reference, the worn mating gear is precision ground in situ to match. A special chemical etchant is applied to recondition the worn mating gear.



WORLDWIDE MILL INSTALLATION & SERVICE

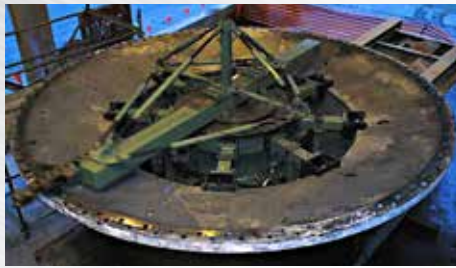
- Experienced team available to plan, manage and install: girth gears, pinion assemblies, gearboxes and inching drives.
- Fully equipped with all tooling, for laser aligning, machining, fabrication and mill drive adjustments.

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TRUNNION JOURNAL MACHINING & REPAIR

- Max dia: 3,600mm.
- 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: 14,000mm.
- On-site removal & installation of trunnion.
- On-site refurbishment & machining of mill trunnions.



SPECIALISED INSPECTION EQUIPMENT

- Full dimensional inspections done on-site
 - Diameters, lengths, hole PCD
- Full gear inspection including:
 - Pitch - Lead - Involute
- Hardness testing, crack detection and material chemical analysis.



CRUSHER MAINTENANCE

Planned or unforeseen shutdowns:
Experienced site services team for installations, site inspections and commissioning.



DRAGLINE & SHOVEL SITE WORK

- Completely inspect, audit and condition monitor critical dragline and shovel components.
- Complete site installations including machining and welding.



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 manufactured to suit your application.
- Bolt tensioning equipment.



LINE BORING, WELDING & ON-SITE MACHINING

- On-site line boring: bucket bores, engine blocks, ship propeller housings, crushers etc.
- Line boring and drilling to 3m dia x 6m L.
- Milling of keyways and surfaces.
- Site welding and heat-treatment.



HPGR MAINTENANCE & CHANGE OUT

Specialist site service teams manage complete HPGR installations, gearbox monitoring and refurbishment service, roller change-out and HPGR machine commissioning as well as complete machine inspection, condition monitoring, in situ repair and overhauling.



TRUNNION & LINER BOLT HOLE REPAIRS

- 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, ON & OFFSHORE

- On-site machining, fitting & laser alignment.
- Gearbox and gears manufactured and repaired.
- Pump and valves installed and serviced.



KILN TYRE REFRUBISHMENT BY IN SITU GRINDING

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

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