

**HOFMANN
ENGINEERING**

WIND 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.

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WIND TURBINE GEARBOXES - New and Rebuilt.

- Standard Helical.
- Planetary.

All makes overhauled and rebuilt after market with improved high performance case hardened precision ground gearing. This ensures smooth, quiet, reliable operation.

- Flender.
- Renk.
- Valmet.
- Hansen.
- L&S
- Metso
- Clipper.
- Gamesa.
- Eickhoff.
- Zollern.



Slew Bearings - Induction hardened and precision ground..



AUDITING YOUR WIND TURBINE GEARBOX REPAIR SHOP

Do they have the equipment and know how to rebuild your gearboxes?

Compare



Others **Hofmann**



GEAR DESIGN

Do they have Gear Design and Consulting services and a full metallurgical laboratory for carrying out failure analysis?

?

Are they members of any gear standard associations? (AGMA, DIN, ISO)



GEAR INSPECTION

Do they have a certified Gear Inspection Laboratory to inspect gear accuracy? Wind turbine gearing requires very high gear accuracies of DIN 3 or better.

?

Can they provide computerized printouts of lead, involute and pitch?



CO-ORDINATE MEASURING MACHINE

Do they have a Co-ordinate Measuring Machine for checking bore alignment and size of gearbox housings? This is required for the planet carrier of the planetary stage on wind turbine gearboxes and components.

?



MACHINING / FABRICATION

Do they have gear manufacturing facilities for producing improved replacement gearing? Hofmann Engineering also fabricate and machine many of the wind turbine components.

?



HEAT TREATMENT

Do they have heat treatment facilities for replacement gearing, including qualified Metallurgists? Carburizing, induction hardening, nitriding, quench & tempering and stress relieving facilities? Gas carburising to 1800mm dia for the output stage gearing for wind turbines.

?



GEAR GRINDING - PRECISION - EXTERNAL & INTERNAL

Do they have modern, climate controlled gear grinding facilities, capable of producing accurate gearing to DIN 3/AGMA 14 required to produce quiet running wind turbine gearing?

?



GEARBOX BACK TO BACK LOAD TESTING

Do they have a gearbox test bed facility for load test running gearboxes? Hofmann Engineering has full load gearbox test running to 2000kW.

?



ONSITE MACHINING & MEASURING

Precision portable co-ordinate measuring machine for checking bore alignment and accuracy insitu.

?

Portable line boring for remachining worn gearbox housing insitu.



SITE INSTALLATION AND SERVICE

Do they have gearing trained site crews for installing and laser aligning gearboxes? Are they able to provide on-site machining services?

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