

**WIND
TURBINE
GEARBOXES**



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

Quality Assurance accreditation by Bureau Veritas 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.

- Flender.
- Renk.
- Valmet.
- Hansen.
- Clipper.
- Gamesa.
- Eickhoff.
- Zollern.

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



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 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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