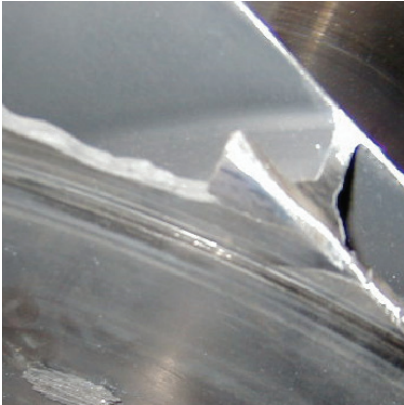


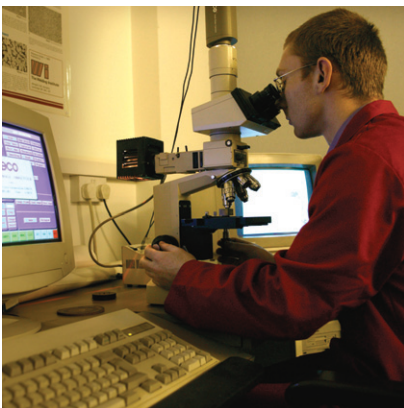
Centrifugal Compressor Upgrades and Re-rates

Weir Turbomachinery offers a range of services to enhance the performance and reliability of existing compressor plant.



■ Failure analysis

From investigating build procedures to FEA or CFD analysis of components we can offer an independent analysis of all types of failure.



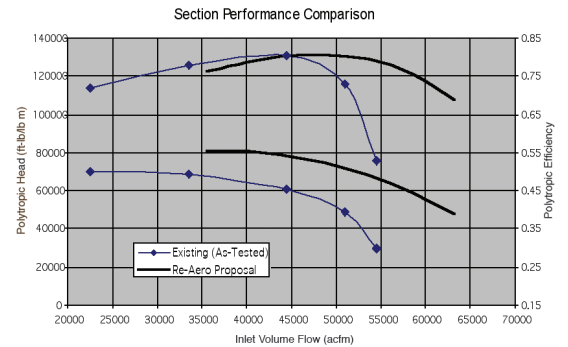
■ Metallurgical improvements

Our colleagues at Weir Materials and Foundries are dedicated to the development of new materials including Super Duplex stainless steels. This resource coupled with our mechanical design expertise gives us vast scope to upgrade rotating machinery.



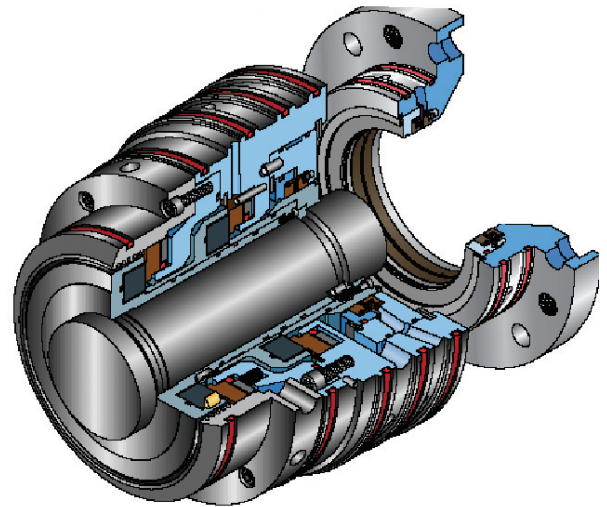
■ Manufacture of upgraded or re-rated components

We can manufacture all the internal components required for a compressor re-rate. This includes impellers, shafts and stationary components such as diffusers and return channels.



■ Performance re-rates

By designing new impellers and diaphragms for all or some stages of the compressor, the performance can be optimised to suit changing operating conditions.



■ Dry gas seal retro-fit

Where the gas composition dictates that the HP seal oil is not reusable or bushing seals have an unacceptably low life, then conversion to DGS is an attractive option. We can provide the necessary rotor dynamic study and engineering to retro-fit Dry Gas Seals.

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