

In-Situ Turbine Repairs

Nicol & Andrew can repair your worn or damaged turbine casings using our proprietary, in-situ milling and drilling equipment. We can also finish machine your stationary blade tips and seal areas.

How You Benefit By In-Situ Turbine Repairs

- **Fast response**
- **Downtime reduced (*as little as 24 hours*)**
- **Always available, 24/7 service**
- **No need to fully strip the turbine**
- **Restored to original OEM specification**
- **Guaranteed and verifiable results**
- **Comprehensive technical backup**

Turbine Half Joint Machining

We modify and repair your turbine half joints including key-pocket milling and joint face levelling. The entire joint face of your casings can be machined using a highly specialised laser levelled unit.

Blade Root Packer Removal

If you have trouble removing the old turbine blades or dummy strip we can remove the blade root packers by machining leaving the location faces untouched.

Blade Tipping

We can machine your stationary and rotating turbine blade tips to ensure you have the recommended clearances for optimum running.

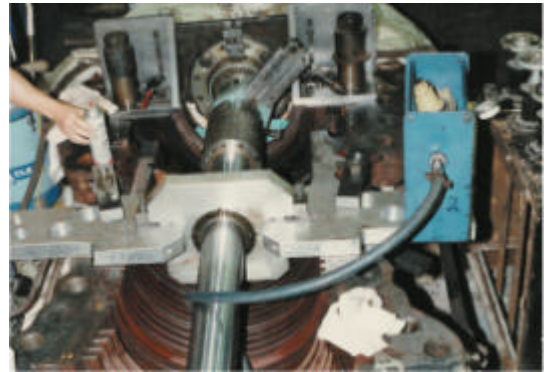
Casing Modifications For Efficiency Upgrades

We machine the internal casings of your turbine to new configurations with a high degree of accuracy. This is often done to increase efficiency and so extend the useful life of less efficient turbines.

Seal Strip Machining

We can machine all your stationary and rotating seal strips to achieve the correct axial and radial clearances, along with the axial and radial faces on dummy strip.

Repair Example in a UK Power Station



Setting Up The Boring Bar To Machine Turbine Axial And Radial Seals



Machining To Give Correct Clearances On The Seal Strips



Machining A Casing To A New Profile To Increase Efficiency



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Over 50 years in the in-situ repair business

UK sole agents for

TriTool Inc.

Portable Machine Tools



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