**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 strips.

**Repair example**
**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 case to a New Profile to increase efficiency

**Nicol & Andrew Group**
Mayday House
Oakridge Road, High Wycombe
Buckinghamshire, HP11 2PF
Tel: 01494 429800

2 Mossland Road
Hillington Industrial Estate
Glasgow G52 4XZ
Tel: 0141 882 4724  Fax: 0141 883 3350

+44(0) 1494 429800
repairs@nicolandandrew.com
www.nicolandandrew.com

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