

In-Situ & Workshop Honing Services

Nicol & Andrew have been offering an in-situ honing service on cylindrical parts since the early 1950s.

How You Benefit By In-Situ Honing Services

- **Fast response (often same or next day)**
- **Downtime reduced (*as little as 24 hours*)**
- **Significantly extends the life of existing parts**
- **High degree of accuracy and surface finish**
- **No need to fully strip the rotor or engine**
- **No need to rotate the item**
- **Guaranteed and verifiable results**
- **Comprehensive technical backup**

Extend the Life of your Old Components

Internal honing is used to create precision round and parallel bores and to impart a selected surface finish to both old and new components. This process can provide a coarse cross hatch effect, right through to a mirror finish.

Internal and External Bearing Surfaces Honed

We undertake internal honing regularly as a post machining exercise to improve surface finish. It is also available as a separate service providing the same benefits as internal honing but on the external surface of a round component.

Large Range of Diameters & Lengths Catered For

We cater for diameters from 25 mm up to 1100 mm and greater. Using our stroking machines we can hone up to 12 metres in length on site.

Typical internal applications include de-glazing of cylinder liners, honing of "P" bracket locations and repair of hydraulic parts. Typical external applications include the honing of tailshafts and generator shafts after metal spraying.

Rotor Bores Honed For Boresonic Examination

We hone turbine rotor bores prior to Boresonic inspection. Also to remove cracks and blemishes found while carrying out "Rest of Life Analysis" of turbine and alternator rotors.

N&A

To contact us:

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Web site: <http://www.nicolandandrew.com>

Over 50 years in the in-situ repair business

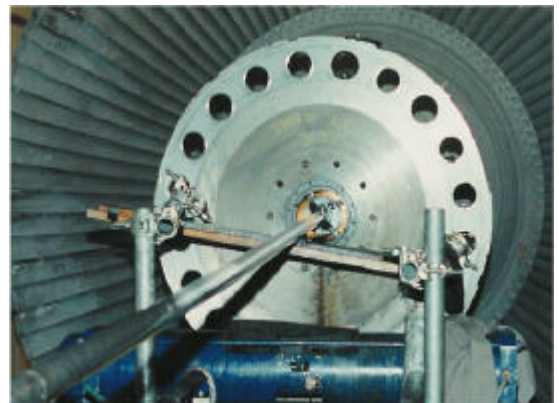
Repair Examples from UK Power Producers



Internally Honed 400mm Ø Cylinder Liners



Internal Honing of a 900mm Ø Tailshaft Bearing



Internal Honing of a 110 mm Ø 4 Metre long Turbine Rotor Bore

UK sole agents for
TriTool Inc.
Portable Machine Tools



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