

# FLANGE -FACING REPAIRS

Nicol & Andrew repair worn or damaged flanges using our in-situ flange facing equipment. We will provide any type of surface finish you require including "Gramophone". We can also grind the face to give a very fine finish if required

## How You Benefit By In-Situ Flange Repairs

- Fast response
- Downtime reduced (as little as 24 hours)
- Always available, 24/7 service
- No need to cut out & re-weld the flange
- Restored to original OEM specification
- Guaranteed results from 25mm Ø up to 3M Ø
- Comprehensive technical backup

## Will Our Equipment Mount On Your Flange?

We mount our machines in the existing bore (from 25mm Ø up to 3M Ø) using mandrels or rigid extending legs, or on the outside diameter (O/D) if the bore is not suitable. Almost all flange types are suitable for in-situ repair.

## Types of Flange Face Suitable For Repair

Our standard machines cover all main types of flange face including:-

- Raised Face
- Flat Face
- Ring Type Joint (RTJ)

Machining across bolt holes is performed with virtually no reduction in the flatness or surface finish achieved.

## Types of Surface Finish Produced

The industry standard for raised and flat faces is phonographic serrated. The facing finish is judged by visual comparison with Roughness Average (Ra) standards or by portable electronic surface roughness gauges.

The standard Ra supplied by the industry is 125 to 250 µ inch or 3.2 to 6.3 µm. Smoother or rougher finishes are available at the customer's request.

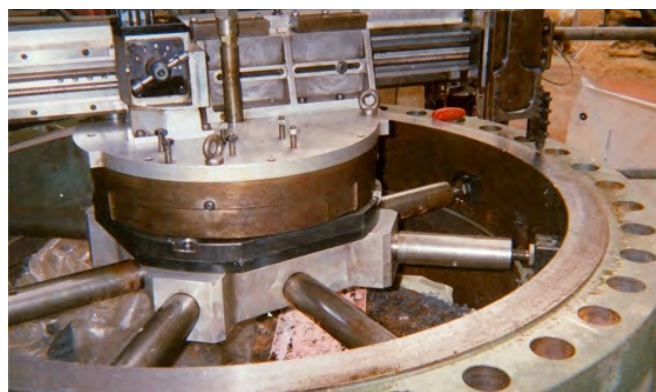
## Hydraulic Tensioning and Bolt Removal

We offer a full range of stud tensioning and torque equipment for hire. This includes "Nut Splitters" and all the ancillary tools required.

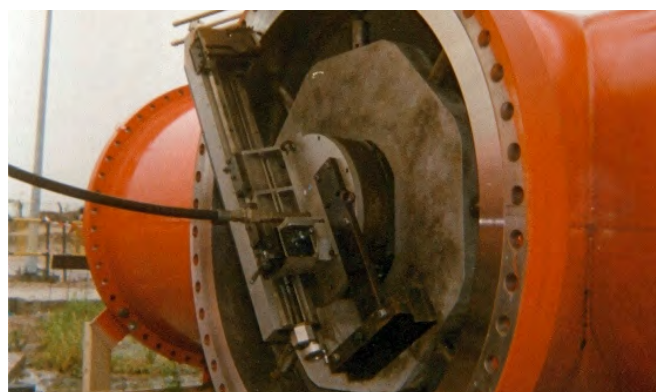
## Repair Examples In Bonny Island Nigeria



Setting Up The Flange Facer to Machine A 650mm Ø Flange



Machining A 1050mm Ø Horizontal Raised Vessel Face Including Bolt Holes



Machining The 1500mm Ø Vertical Face Of A Flare Stack Riser

Visit Our New  
Metal Stitching Service  
[www.onsitemetalstitching.com](http://www.onsitemetalstitching.com)



+44(0) 1494 429800

repairs@nicolandandrew.com  
www.nicolandandrew.com



ISO 9001  
2015



## 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