

## Case Study – New Horizontal Borer

In 2014 CWE Ltd recognised the need for a larger CNC boring machine to service current customer requirements and also to target larger components such as gearboxes and frames. CWE Ltd bought a TOS Varnstoff WHQ 13.8 CNC boring machine.

The machine has X travel of 3500mm, Y travel 2500mm, W column travel 1250mm, Z spindle travel of 800mm. Table size is 2200 x 1800mm. Table capacity is 10 tonne with overhead crane. Accuracy is 0.01mm.

### Machine Foundations



### Machine Delivery



### Machine boring a gearbox



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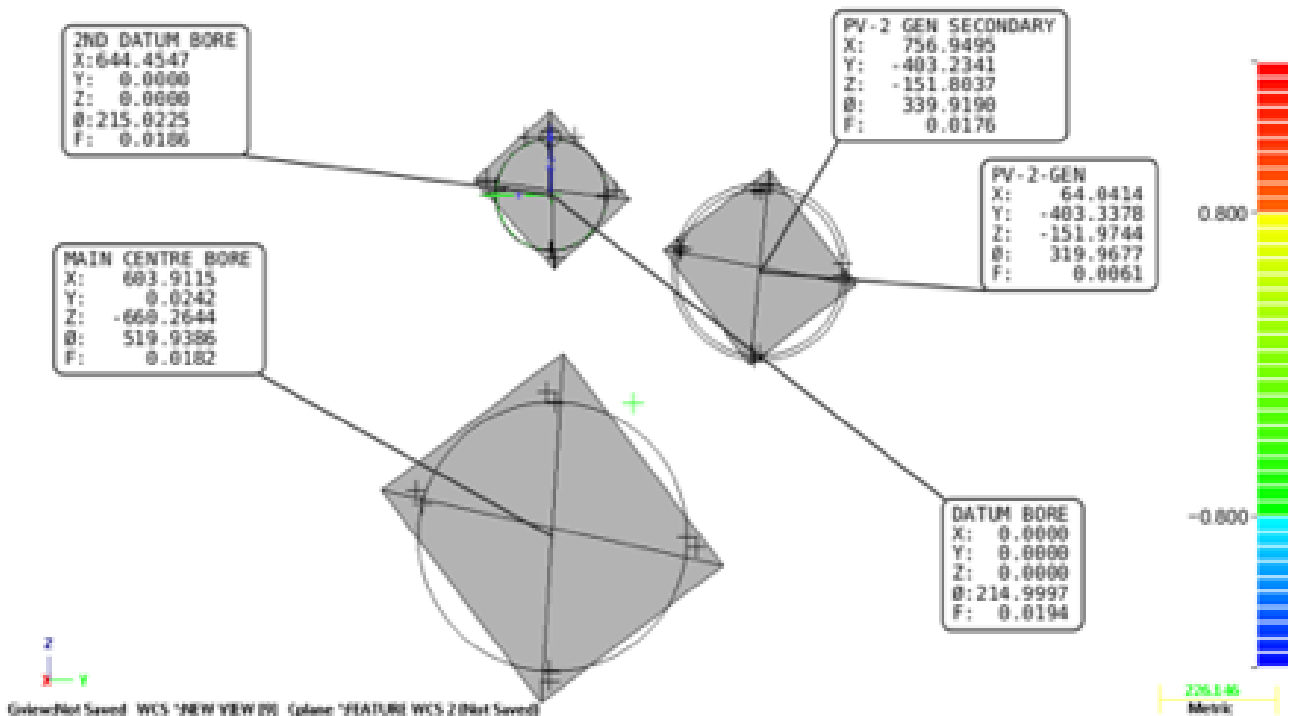
### Dry Ice Preparation of Sleeves



### Component for Machining



### Example of Information Produced by Faro Arm when Measuring Component



Quality reports can be produced using gauging on the machine or a Faro arm technique and CWE is able to liaise with customers and agree a plan of action job by job. This is advantageous with large valuable components in the refurbishment market. The photos illustrate the use of dry ice to shrink sleeves into the bored holes for subsequent machining.