



Laboratory Services
**Sample Handling
and Preparation**



Sample Handling and Preparation

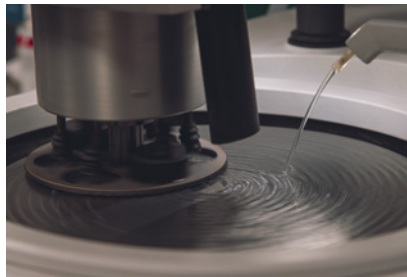
Overview

A critical aspect of any good investigation is the careful handling of components and the controlled preparation of samples for further examination. We have many years of experience in large scale metallurgical investigations and our bespoke inspection facility is designed to handle large components through to small delicate samples such as flakes of paint.

Our engineering unit is equipped to handle the lifting and storage of heavy engineering items and we can facilitate saw cutting and sectioning (cold cutting) of large diameter shafts (up to 650 mm diameters for example) in addition to other large metallic components.

We are able to prepare a variety of samples, from the very delicate through to the very tough, using our precision sawing equipment. This equipment has three automatic axes and a feed control which can adjust automatically to different thickness and hardness of material, resulting in highly accurate thin cuts of material and avoiding heat damage.

For the purpose of metallurgical examination, we have a range of high-quality grinding and polishing stations which are used for final mirror polish preparation prior to microscopy. We have experienced personnel who are trained in numerous final preparation techniques.



Polishing wheel used for preparing samples



Samples can be imaged using high magnification microscopy or SEM



Precision saw for handling delicate or tough samples

Whatever your technical or scientific requirements Brookes Bell has a highly skilled and experienced team of experts ready to help you.

For more information please visit our website (www.brookesbell.com) or contact us on **+44 (0)151 236 0083**.