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FOUNDRAx

BRINscope Series

- A tough, durable hand microscope for precision measurements —

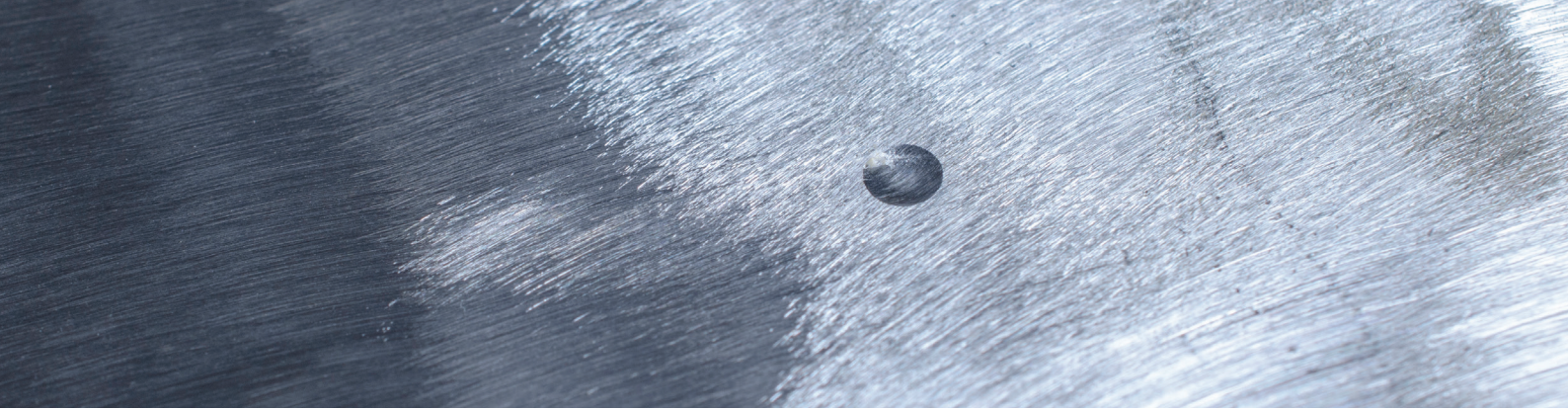


RUGGED PRECISION

Laboratory accuracy under
steelworks conditions



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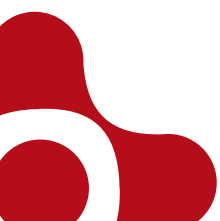
Manually operated Brinell microscopes for accurate indentation and case hardness depth measurement

The Foundrax BRINscope Brinell Microscope is calibrated to the requirements of BS EN ISO 6506-2 and ASTM E10 and provides the proper focus and lighting to make correct measurements of Brinell hardness indentations.

The completely assembled instrument offers a special 3-way lens system made from precision ground optics that provide sharp viewing without further adjustments. Made of stainless steel the Foundrax Brinell Microscope is compact, lightweight, and rugged - and it has its own built-in illumination.

As the BRINscope is a battery operated unit it is completely portable, and since it is operated by a button switch which only puts the light on when the microscope is actually in use, the Lithium batteries will give over 360 hours of useable illumination - no mains power required. Key features include:

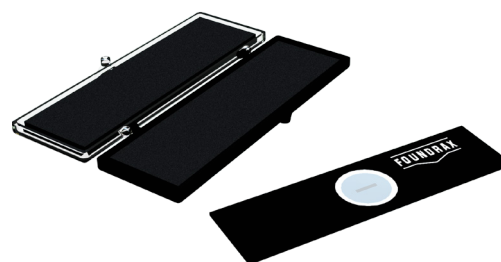
- LED lighting for optical clarity and long life illumination.
- Special 3-way precision ground pre-focused lens system requiring no adjustment.
- Practically indestructible stainless steel upper body protects the lens.
- Integral light source provides correct level of illumination for accurate measurements and best agreement between operators.
- 20x or 40x magnification.
- Narrow nose for measuring indentations where other microscopes will not fit.



The small area of the nose piece allows indentations to be read close up to shoulders, in corners and other tight spaces where Brinell hardness testers can make them but where other microscopes cannot reach, such as on pulleys, sheaves etc. Consequently, only a smaller surface area has to be prepared. When the piece to be tested has a convex or concave surface, the BRINscope Brinell Microscope measures more accurately, since the small base fits flush on the indentation.

The microscope is designed to be easy to hold either when checking a reference block or testing a component.

A Foundrax Stage Micrometer (a certified checking scale) can be supplied as an optional extra and provision is made for it in the microscope case.



Reference Indentation Reading Blocks

Foundrax Reference Indentation Reading Blocks feature 10 standardised authentic indentations of differing sizes made and measured using our Master Calibration Machine (traceable to PTB).

- Can be used to train operators to measure Brinell indentations correctly.
- Enable the monitoring of operators.
- Resolve arguments.
- Discover an operator's systematic reading errors.
- Can be used to indirectly verify Brinell microscopes.

A Foundrax Stage Micrometer (a certified checking scale) can be supplied as an optional extra and provision is made for it in the microscope case.

Specifications

Model: BRINscope 20
Magnification: x20
Scale: 0-6mm
Divisions of: 0.05mm

Specifications

Model: BRINscope 40
Magnification: x40
Scale: 0-3mm
Divisions of: 0.05mm

Accessories

Although the Foundrax BRINscope Brinell microscope will never go out of calibration if used normally, it is necessary to have a means of verifying its accuracy from time to time.

A Foundrax UKAS certified reference indentation reading block is ideal for quick indirect verification of the BRINscope as well as for training operators in the correct interpretation of the edge of the indentation.

Ask for details about the BRINtronic series of fully automatic Brinell microscopes – the original automatic Brinell microscope, or visit www.foundrax.co.uk