

FOUNDRAX

BRINscope

Series manual Brinell microscopes



X 20 and X 40 magnification available

LED Illumination for superb clarity and long life

MANUALLY OPERATED BRINELL MICROSCOPES

For accurate measurements of Brinell indentations and case hardness depths.

Key features include:

- LED lighting for optical clarity and long life illumination
- Special 3-way precision ground pre-focused lens system requiring no adjustment
- Stainless steel upper body is practically indestructible, lenses well protected
- Integral light source gives the correct illumination for accurate measurements and best agreement between operators
- x 20 or x 40 magnification
- Narrow nose for reading impressions where other microscopes will not fit

The Foundrax **BRINscope** Brinell Microscope is calibrated to the requirements of BS EN ISO 6506-2:2005 and ASTM E10-10 and provides the proper focus and lighting to make correct readings of Brinell hardness indentations.

The completely assembled instrument offers precision ground optics including a special 3-way lens system that provides 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.



The small area of the nose piece allows indentations to be read close up to shoulders, in corners etc. 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.



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.**

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Usual accessories:	Stage Micrometer:	For Direct Verification
	UKAS certified Reference Indentation Reading Block	For Indirect Verification and Operator training

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Specifications

Model BRINscope 20
 Magnification **x20**
 Scale 0-6mm
 Divisions of 0.1mm

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.



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.



Ask for details about the **BRINtronic** series of **fully automatic Brinell microscopes** – the original automatic Brinell microscope.

Foundrax manufacture a complete range of Brinell Hardness Testers – portable, laboratory, production, semi-automatic and fully automatic