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FOUNDRAx

BRINscope Series

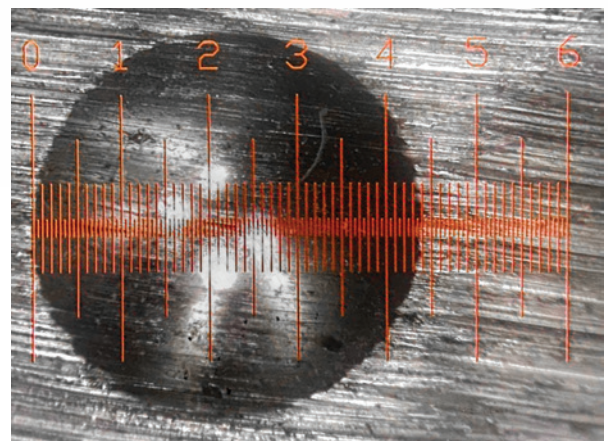
— Tough, durable hand microscopes for precision measurement —

New Duo model comes with illuminated graticule



RUGGED PRECISION

Laboratory accuracy under
steelworks conditions





The Standard and new Duo: Manually operated microscopes for both Brinell indentation and case-hardness depth measurement. The new Duo comes with an illuminated graticule for faster, easier, more accurate measurement.

Foundrax BRINscopes are calibrated to the requirements of BS EN ISO 6506-2 and ASTM E10. Both provide white-light illumination of indentations but the new Duo offers exceptional ease of use due to its patent-pending illuminated graticule - ideal for measuring softer metals that have been hand-prepared and where the indentation edge lacks definition.

The instruments utilise a special 3-way lens system made from precision-ground optics that provide sharp viewing without further adjustments. Made of stainless steel, the BRINscope is compact, lightweight, and rugged.

As the BRINscope is battery-operated it is completely portable, and the light is only on when the switch is depressed, so battery life is optimised. Tests have demonstrated that a battery can provide 360 hours of illumination. Key features include:

- Illuminated graticule offering a step-change in ease of measurement (Duo models only).
- Special 3-way, precision-ground, pre-focused lens system requiring no adjustment.
- Robust stainless steel tubing protects the lens.
- Integral light source provides correct level of illumination for accurate measurements and best agreement between operators.
- 20x or 40x magnification.

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

The microscope is ergonomically designed and lightweight.

A Foundrax Stage Micrometer (a certified checking scale) can be supplied as an optional extra and there is space 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.
- Enables the monitoring of operators.
- Assists in resolving disagreements.
- Can reveal systematic reading errors.
- Can be used to indirectly verify manual Brinell microscopes.

Foundrax Stage Micrometer (certified checking scale)

Specifications - new Duo models share the same specifications but come with an illuminated graticule

Model:	BRINscope 20	BRINscope 40
Magnification:	x20	x40
Scale:	0-6mm	0-3mm
Divisions of:	0.05mm	0.05mm

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

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.

Contact Us

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Foundrax was established in 1948 and is the only company in the world to truly specialise in Brinell hardness testing equipment and accessories. We invented commercial automatic Brinell measurement and were the first company to be officially recognised for the manufacture of Brinell reference blocks in the UK. We have manufactured several national-standard calibration machines and production machines which have performed tens of millions of tests (over 30 million in one case). Our equipment is used in 46 countries around the world and 94% of our customers say they would recommend us.

The Foundrax range includes everything from reference blocks, portable Brinell hardness testers and national-standard calibration machines through to heavy-duty, fully-automatic line production machines which operate 24/7.

Not only is our equipment used in several national metrological institutes providing national hardness standards, but it is also found in steelworks, foundries, forges and heat treatment plants around the world and in many other industries besides.



UKAS accredited



Supporting the Brinell test worldwide for nearly 70 years



Innovators and specialists



Custom designed machinery

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Laboratory accuracy under steelworks conditions

