

BRINscan MkIII



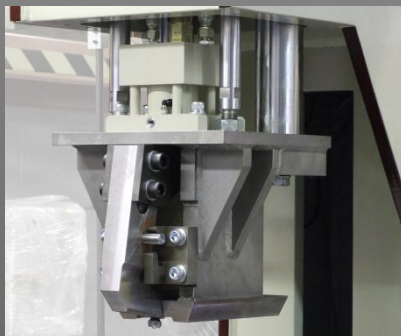
The latest generation of the BRINscan range, the MkIII Brinell hardness tester, offers fully automatic indentation measurement and recording of test results for heavy duty industrial applications



Example of the BRINscan MkIII fitted into a steelworks line manufacturing railway wheels



Example of the BRINscan MkIII fitted into a line manufacturing oil tool joints



The BRINscan MkIII test head – rugged heavy duty construction for harsh industrial environments

Heavy duty construction designed for a steel works environment

Integral BRINtronic automatic Brinell microscope for instant, reliable and repeatable results

Designed and engineered to perform reliably in the most arduous of environments, the BRINscan MkIII is well suited to in-line testing of components.

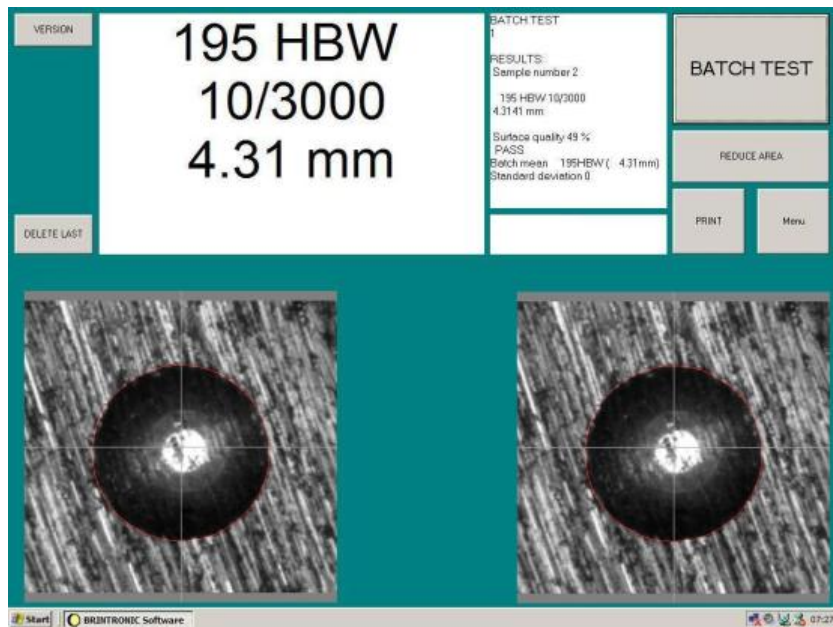
It features:

- Integral automatic BRINtronic microscope for instant, reliable, repeatable results
- Fixed test table that can support components on test weighing up to 10 tonnes
- Independent hydraulic circuits for clamping and indenting so test force not influenced by clamping force
- 3500kg clamping force ensures no movement of component under test
- ISO 6506 and ASTM E-10 compliant indentation and measurement
- Unrivalled build-quality, fabricated from 25mm steel plate for rigidity and strength

The BRINscan MkIII ensures that Brinell hardness testing can be achieved reliably, accurately and quickly with no operator influence on either the test process or the recording of the results.

BRINtronic automatic Brinell microscope system – the focus on detail

At the heart of the BRINscan Mk III is the BRINtronic automatic Brinell microscope system. Using high quality optical components and market leading software, the system provides unrivalled accuracy when measuring the indentation and then subsequently records the result, creating a valuable log of test information.



Main test screen showing live and measured images, test results, surface quality and batch statistics

The system:

- displays HBW and diameter results as well as batch mean, standard deviation etc
- highlights out-of-tolerance results for clarity
- can automatically download batch parameters from a network/upload test results to the network as required
- detects the quality of surface preparation and will warn the operator if required
- will tolerate all normal test surfaces from mirror finish reference blocks to rapidly hand prepared rough industrial surfaces, also detects ovality according to user settable parameters
- Simple icon driven software for ease use
- accepts a wide range of user defined parameters and software configurations

The on-screen menu is both intuitive and easy to use, allowing both batch and single testing if desired. The batch set-up screen is customisable to allow for extra fields such as multiple indentations per component, operator name, customer etc. to allow for greater detail in record keeping.

Specifications

Test height: 400mm
Throat: 200mm

Table size : 400x400mm
Dwell time: 1 - 30 seconds
Table capacity: 10 000kg
Max. testing rate: 500 per hour*
Max. clamp force: 3 500kg

*This rate of testing would not comply with the test times required by the standards but is available if required.

Nominal overall main body dimensions:

400 mm [W]
890 mm [D]
2280 mm [H]

Electrical supply:

400V AC 50Hz 3 phase + Neutral
+ Earth 16A max

Available Hardness scales

Either one or two of the following:

10/3000
10/1500
10/1000
5/750
10/500

The Foundrax BRINscan MkIII fully complies with ISO 6506 and ASTM E10

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

Foundrax is the world leader in Brinell hardness testing, we manufacture and supply the most comprehensive range of machines and equipment available today. We continuously develop and improve our processes, procedures and products to remain at the forefront of the industry.

All Foundrax products are offered with UKAS certificates of calibration and offer a robust, reliable and cost-effective solution to the Brinell hardness test process on which so many industries rely.

From National Standard Calibration machines to heavy duty factory floor machines, portable equipment and accessories, there is a Foundrax product for every application.