

HIGH SPEED HEAVY DUTY BRINELL HARDNESS TESTER



BRINscan MkIII – fully automatic optical Brinell hardness tester

The first automatic Brinell hardness tester to carry out the authentic Brinell test

World Leaders

Brinell Hardness
Testing Equipment



No 0231

The BRINscan MkIII is a heavy duty high speed production Brinell hardness tester with automatic cycle, and BRINtronic fully automatic Brinell microscope

BRINtronic FULLY AUTOMATIC BRINELL MICROSCOPE

- fully automatic measurement – no operator influence
- displays test results in HB and mm in less than a second
- test results are stored on disk and may be printed out.
- can communicate with a remote computer
- testing a batch may be interrupted to make one or two tests and then resumed
- relays to permit after test sorting
- batch summary (batch size, match mean, standard deviation, no. of high and low rejects, date, time, batch number etc)
- measures indentations on normal industrial hand prepared surfaces
- test results are saved in the event of a power failure
- measures indentations authentically per ISO6506

FULLY AUTOMATIC MACHINE CYCLE

means that if there is an operator all he needs to do is to load the component onto the machine table and press a footswitch. After the test has been completed the test result appears on the monitor and he removes the component. If it can be arranged that the machine is put into a line with components being fed to it automatically, the machine cycle can be initiated automatically. All elements of the machine cycle are operator variable and recorded. Calibration is not operator variable.

HEAVY DUTY

very strong construction – the large machine table could be repeatedly loaded with components weighing 10 tonnes without strain, and because it is stationary it is suitable for fitting into a line. Test head is lowered onto workpiece and clamps it with a force of up to 3,500kg. This reduces the need for jigs and fixtures. The clamp is independent of the indenter.

MACHINE SPECIFICATION

Brinell scales, either one or two of the following: 10/3000, 10/1500, 10/1000, 5/750, 10/500

Accuracy of application of Brinell force, ISO6506 and ASTM E10-00

Accuracy of automatic Brinell microscope ISO6506 and ASTM E10-00

Dwell time, variable 1 – 30 seconds

Maximum testing rate – 500 per hour

Maximum clamping force – 3 500kg

Maximum test height – 400mm

Throat depth – 200mm

Table size – 400 x 400mm

Table capacity – 10 000kg

FOUNDRAx SERVICE

Foundrax provide world-wide after sales service and UKAS accredited calibration.

BRINscan MkIII – fully automatic Brinell hardness tester from Foundrax – originators of automatic Brinell hardness testing



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