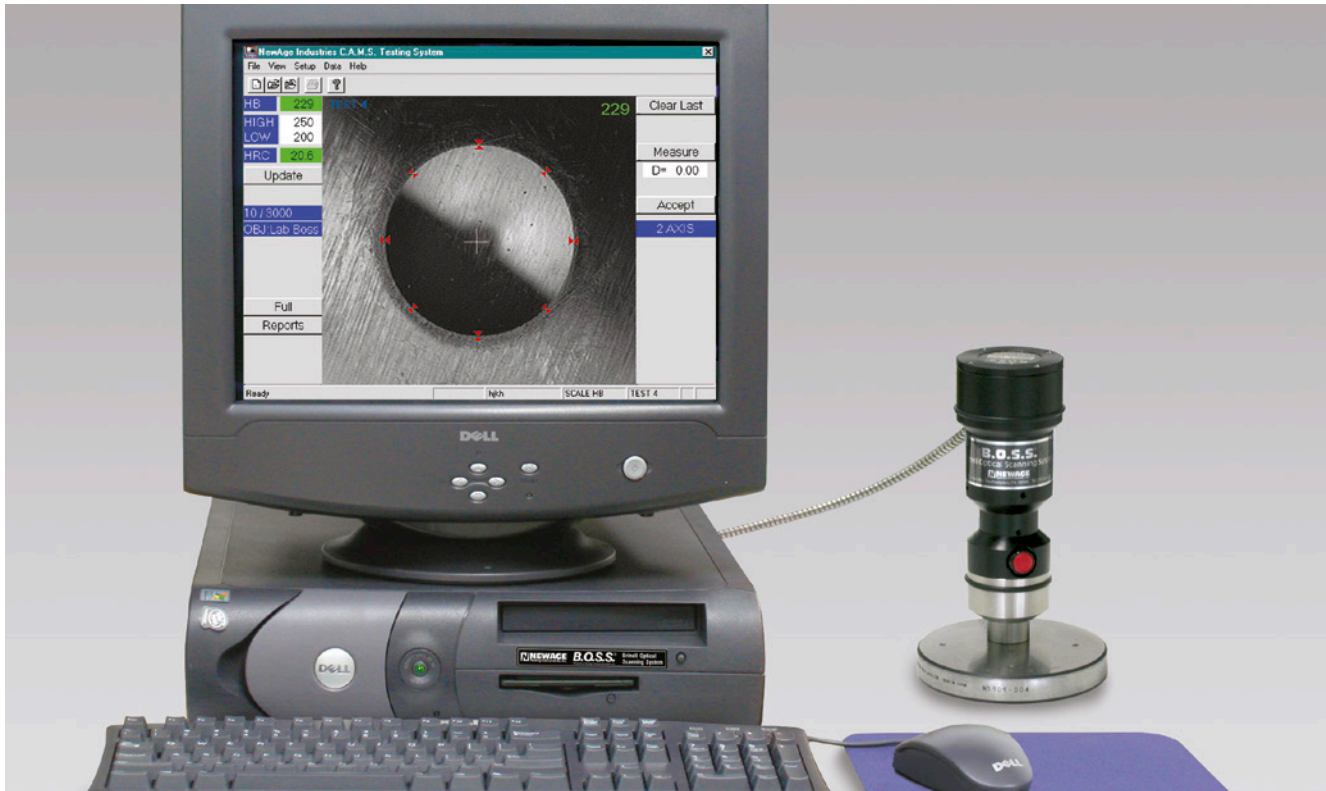


Product Information

Brinell Optical Scanning System (BOSS)



Range of application

- Automatic measurement of Brinell indentations in accordance with ISO 6506 and ASTM E10
- UKAS accredited certification of calibration

Special Characteristics

- BOSS virtually eliminates operator influence when reading Brinell indentations
- Results computed instantly
- Real time image capture displays the indentation
- Operators at different locations get repeatable and reproducible results
- No special operator training required
- Unlimited test files and records
- Tolerance and warning level setting
- Histograms and scale conversions are automatic
- Password protected calibration is simple and straight forward
- X-Bar and R charts supplied as standard
- Industrial cabinet for hostile environments is optional

Operation

The entire test sequence is very simple:

- Place the scanning head on to the work piece.
- Locate the indentation until it appears in the centre of the screen.
- Press the button on the scanning head.
- The BOSS automatically measures the Brinell indentation to the nearest 0.01 mm.
- The result is stored to the batch file and compared with the tolerance setting where the appropriate colour is displayed:
 - Green within tolerance limits
 - Yellow within warning limits
 - Red outside tolerance
- The results data is displayed using the statistics package which offers three self scaling windows graphs in histogram, X bar (average) and R (range) charts and straight data output with tolerances.