



Products

Computerised Brinell Hardness Tester

(Model - B 3000 PC)

- Fully Computerised (PC Based) Brinell Hardness Tester.
- Direct and accurate measurement of Brinell Hardness Number using "State of Art" image processing technology.
- 'Wide Testing Range' : from soft metal to medium hardness steels.
- High accuracy and repeatability of measurement at all loads.
- Faster measurement yielding to higher productivity.
- Hydraulic loading and unloading cycle.
- Advanced Window based software.

Latest GUI Features :

User friendly software with all help file and Windows Features

- Online indentation setting and focusing on PC monitor.
- Advance image processing : Algorithms implemented for precise calculation of hardness numbers with various options to cover all ranges of specimen.

Batch file Processing :

Option for data / storage and reports generation.

Statistical Evaluation :

Software for calculating standard deviation, mode medium, histogram etc.

- Wide options in calibration mode.
- Extensibility for future advanced image processing analysis requirements.

'Computerised Brinell Hardness Tester, Model B 3000 - PC is a simple and a accurate means to produce automatically measures the ball indentation to give Brinell hardness number.

These testers are suitable for measuring the hardness of metallic parts with wide leasting range - from soft to hard, and their accurate results are widely acclaimed.

These testers strictly confirm to IS:2281, BS:10003-2 and ASTM E-10.

Construction :

The robust machine frame is designed to accommodate the high precision loading system and an optical device with CCD camera. Specimen is placed on a testing table and brought in contact with clamping cone. Load/Unload/Read operations are done through a 3-position hand lever. The image is digitized using a CCD camera fitted on the optical device and is captured by the PC. The diameters of the indentation are directly measured by Pc to give the Brinell Hardness Number directly.



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Technical Data :

Total Load	kgf	500 to 3000 in stages of 250 kgf
Magnification of objectives	-	2x
Max. Test Height	mm	380

Scale least Count	mm	0.01
Throat Depth	mm	200
Machine Dimensions (Approx.)	mm	L 1025 x W 645 x H 1178
Weight (Approx.)	kg	450
Power Supply	V/Cy/Ph	415/50/3
Measurement Range	mm	1-6

Standard Accessories :

Testing table 200mm dia	1 PC.
Testing table 70mm dia with "V" groove for round jobs 10 to 80mm dia.	1 PC.
Ball holder 5mm	1 PC.
Ball Holder 10mm	1 PC.
Test Block HB-5/750	1 PC.
Test Block HB-10/3000	1 PC.
Allen Spanner	4 PCS.
Telescopic Cover for elevating screw protection	1 SET.
Electric Cord	1 PC.
Instruction Manual	1 BOOK

MATERIAL TESTING MACHINES SERVICES

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