SHRI ENGINEERING

Computerized Hardness Testing Machine

Model : B 3000-PC

Wide Testing Range from
Soft metal to medium hardness Steel

High Accuracy & Repeatability
of Measurement at all loads

Hydraulic Loading &
Unloading cycle

Computerized Brinell Hardness Testing Machine
Model : B 3000-PC

Features :

- Fully computerized (PC based) Brinell Hardness Tester.
- Direct and accurate measurement of Brinell hardness number using 'State of the 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 deviation, mode, medium, histogram etc.
- Wide option in calibration mode.
- Extensibility for future advanced image processing analysis requirements.

Application :

Shri Engineering Computerized Brinell Hardness Tester, Model : B 300-PC is a simple and a accurate means to produce and automatically measure the ball indentation to give Brinell hardness number.

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

These testers strictly confirm to IS:1500-2.

Construction :

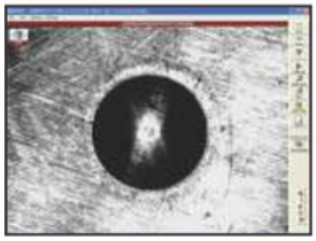
The robust machine frame is designed to accommodate the high precision loading system and an optical device with CCD camera. Specimen is placed on testing table and brought in contact with clamping cone.

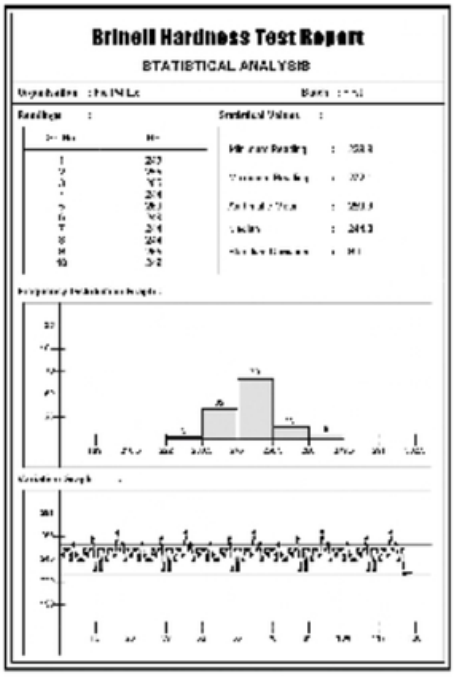
Load/Unload/Read operations are done through a 3-position hand lever. The image is digitalized using a CCD camera fitted on the optical device and is captured by the PC.

The diameters of the indentation are directly measured by PC to give the Brinell hardness number directly.

Technical Specifications :

Test Loads	kgf	250 to 3000 in stages of 250 kgf.
Magnification of objectives	-	4 X
Maximum Test Height	mm	380
Scale least count	mm	0.01
Throat Depth	mm	200
Weight (Approx.)	mm	450
Power Supply	V/Cy/Ph	415/50/3
Measurement Range	mm	1-6





* PC & Printer is not in our standard scope of supply.

Standard Accessories :

Testing Table 200mm dia.	1 No.
Testing Table 70mm dia. with 'V groove for round jobs 10 to 80mm dia.	1 No.
Ball holder 5mm	1 No.
Ball holder 10mm	1 No.
Test Block HBW-5/750	1 No.
Test Block HBW-10/3000	1 No.
Allen Spanner	4 Nos.
Telescopic cover for elevating screw protection.	1 Set
Electric Cord	1 No.
USB device for Video	1 No.
Instruction Manual	1 Book

Wholesale Trader and Supplier By :

Shri Engineering Pvt Ltd

Imperial Heights,LIG-6/503,Kabir Nagar,Ner AIIMS Residency,
Raipur,CT(22) 492099,IN

Branches: Vadodara,Chennai and Indore

Tel : +91 8349 02 0230 , Cell : +91 9979 87 8092

E-mail : ajinkya@shriengineering.com , popat@shriengineering.com , ankita@shriengineering.com

Web : www.shriengineering.com , www.shriengineering.co.in

Corporate Ideas/9823053716/8-19