B3000-PC/B3000-TS

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Series : B3000-PC — Brinell Hardness Tester PC Model

B3000-TS — Brinell Hardness Tester Touch Screen

Imported CCD Camera

PC Software

USB Connectivity

Features :

PC-Based Control System: Seamless integration with your computer system for complete digital control and ease of operation.

Advanced Image Processing Technology: Accurately and directly calculates Brinell Hardness Numbers (BHN) using state-of-the-art image analysis algorithms.

Wide Testing Range: Capable of testing from soft metals to medium-hard steels, covering a broad spectrum of materials.

Accuracy & Repeatability: Delivers consistent and precise hardness values across all load ranges, ensuring reliability in every test.

Hydraulic Loading & Unloading: Robust hydraulic system ensures smooth, stable, and repeatable testing cycles with minimal operator intervention.

Boosted Productivity: Faster measurement cycles enable higher throughput, saving valuable time in testing operations.

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Brinell Hardness Testing Machines

Series : B3000-PC/B3000-TS

Overview

The ETS Model B3000 is a state-of-the-art, automatic Brinell Hardness Testing Machine designed for high-precision hardness measurement of metallic components.

Integrate with advanced image processing algorithms, this machine automates the entire Indentation and measurement process—delivering accurate Brinell Hardness Numbers (BHN) with minimal user intervention.

This tester is ideal for a wide range of materials, from soft metals to medium hardness steels, and complies strictly with IS 1500-2, BS:10003-2, and ASTM E-10 standards.

Applications

Designed for testing the hardness of precision metallic parts across diverse industries such as automotive, aerospace, foundries, R&D labs, and material testing centers.

The robust mechanical frame ensures long-term stability, while the digital imaging system ensures consistent, error-free measurement

Construction & Technology

Rigid and robust frame housing a high-precision hydraulic loading system

Integrated optical device with high-resolution CCD camera

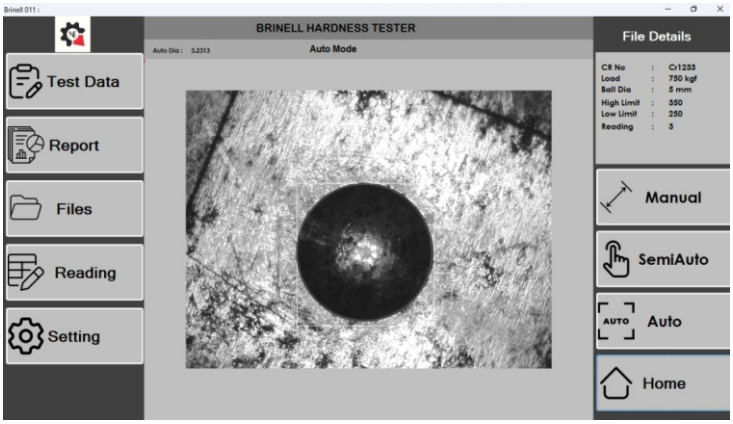
How It Works

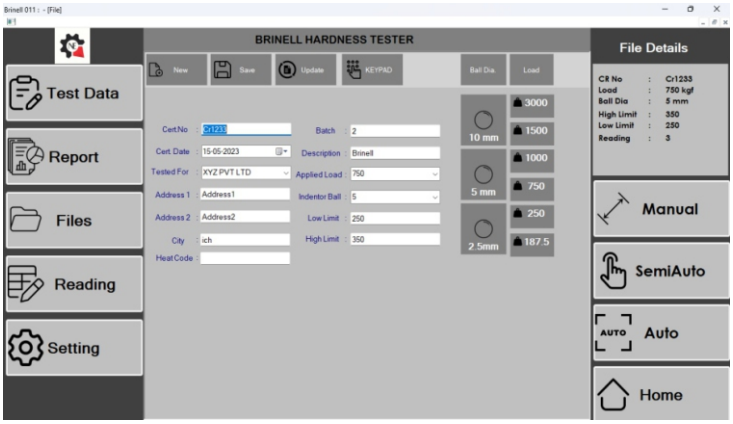
Indentation is made via hydraulic loading.

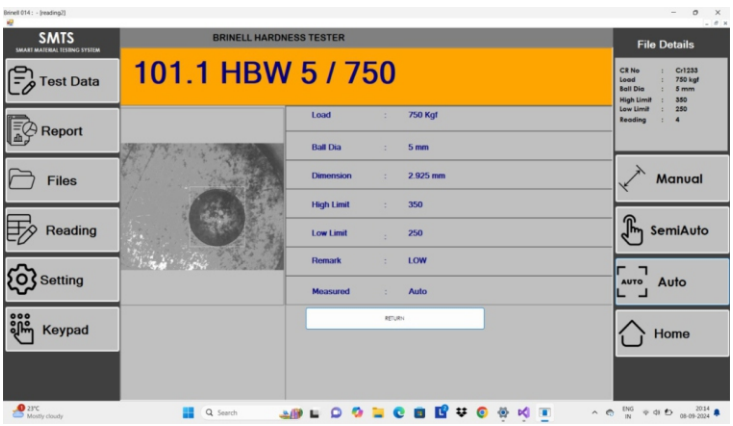
Image is captured through the CCD camera.

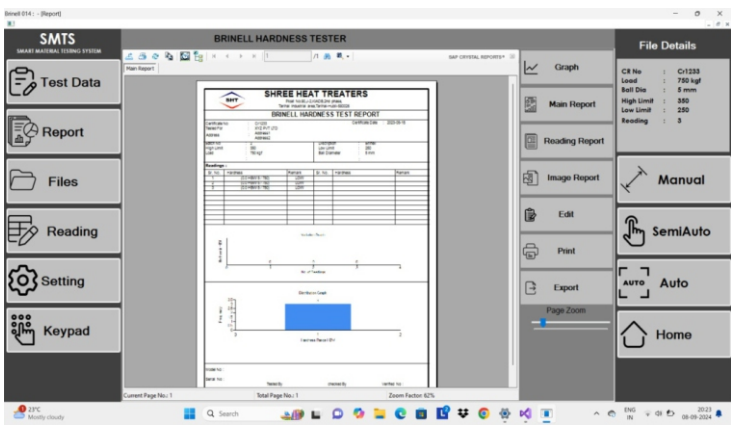
Diameter of the indentation is automatically measured by ETS software.

BHN is calculated and displayed instantly with optional graph/report printout.









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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 HB-5/750	1 No.
Test Block HB-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

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

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Manufactured By :

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