



# BRINELL HARDNESS TESTER

MODELS : B 3000 (H), B 3000 (O)



**B-3000 (H)**

Machine designed with a hydraulic power pack and control circuit effortless loading, unloading operation.

A dial gauge in front measure depth of ball penetration. This facilities production testing within tolerance limits by compression method.

**B-3000 (O)**

Basic machine design & operation similar to B-3000 (H). In addition 'optical device' with 14 x magnification provided in front to project dia of ball impression on glass screen with a micrometer measuring system with 0.01mm accuracy. The indenter swivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression.



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SAROJ Hardness Testers, Model B-3000 (H) & Model 3000 (O) are precision engineered confirming to IS:2281-1968, BS:240 and ASTM:E 10, however B-3000 (H) & Model 3000 (O) are most suitable for production testing. These machines are designed to measure hardness of castings, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.

TECHNICAL DATA		
MODEL	B-3000 (H)	B-3000 (O)
Loads (kgf)	250 to 3000 in stages of 250	250 to 3000 in stages of 250
Initial Load (kgf)	250	NIL
Max. Test Height (mm)	410	380
Depth of Throat (mm)	200	200
Max. depth of elevating screw below base (approx.) (mm)	180	180
Machine Height (approx.) (mm)	1127	1185
Net Weight (approx.) (kg)	450	500
Drive Motor (HP)	0.33	0.33
Mains Supply (V/cy/ph)	415/50/3	415/50/3
Optical Device	NIL	Direct reading optical device with 14 x magnification

STANDARD ACCESSORIES		
MODEL	B-3000 (H)	B-3000 (O)
Testing table 200mm dia	1 pc.	1 pc.
Testing table 70mm dia with 'V' groove for round jobs - 10 to 80mm dia	1 pc.	1 pc.
Ball Holder 5mm	1 pc.	1 pc.
Ball Holder 10mm	1 pc.	1 pc.
Test Block HB-5/750	1 pc.	1 pc.
Test Block HB-10/3000	1 pc.	1 pc.
Brinell Microscope	1 pc.	NIL
Allen Spanner	7 pcs.	4 pcs.
Telescopic Cover for elevating screw protection	1 Set	1 Set
Instruction Manual	1 Book	1 Book

Due to constant improvement of the product, SAROJ reserves all rights to change the above specifications without any prior notice.

## CANAN TESTING SERVICES

**Accredited by NABL (Dept. of Science & Technology-Govt. of India)**

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