

Brinell Hardness Tester

TESTWELL GLOBAL Hardness Testers TB 3000 (O) and TB 3000 (H) are precision engineered conforming to IS:2281-1968, BS:240 and ASTM E10, however TB 3000 (O) and TB 3000 (H) are most suitable for production testing. These machines are designed to measure hardness of Castings Forging, Metals, Alloys of all kinds hard or soft whether flat, round or irregular in shape

TB 3000 (O)

Basic machine design and operation are similar to TB 3000(H). In addition, an "optical device" with 14X magnification is provided in front to project diameter of ball impression on glass screen with a micrometer measuring system (.01 mm accuracy). The indenter swivels and projects diameter of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression. This gives real brinell number on production testing

TB 3000 (H)

Machine designed with hydraulic power pack and control circuit for effortless loading and unloading operation A Dial Gauge in front measures depth of ball penetration. This facilitates production testing within tolerance limits by compression method.

MODEL		TB-3000 (H)	TB-3000 (O)
Loads	kgf	500 to 3000 in stages of 250	500 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.)		1127	1185
Net weight (approx.)	kg.	450	500
Drive motor	HP	0.33	0.33
Main Supply	V/cy/ph	415/50/3	415/50/3
Optical Device		NIL	Direct reading optical device with 14 x magnification

MODEL	TB-3000 (H)	TB-3000 (O)
Testing Table 200 mm dia	1 pc	1 pc
Testing Table 70mm Ø with 'V' groove for round Jobs- 10 to 80 mm 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



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We specialize in designing, developing, manufacturing and servicing of Hardness Testing Machines. We design high precision and high performance Brinell, Rockwell and Vickers machines. We have served over 200 Indian as well as international customers based in Europe, Middle East, Africa and Asia. over the course of these 20 years. As a result of which, we have achieved a level of expertise in Hardness Testing Machine Design and Development. Please feel free get in touch with us about any of your business requirements. We look forward to wonderful relationship together and success for all