



**Model AI-B 3000 (H) :** Machine designed with a hydraulic power pack and control circuit for effortless loading unloading operation. A dial gauge in front measures depth of ball penetration. This facilitates production testing within tolerance limits by compression method.



**Model AI - B 3000 (O) :** Basic machine design & operation similar to AI B-3000(H). In addition, an 'optical device' with 14 x magnification provided in front to project dia of ball impression on glass screen with a micrometer measuring system with 0.01 mm accuracy. The indenter sweivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression. This gives real Brinell number on production testing.



**Model AI-B 3000 (J) :** Simplest model of Brinell Hardness tester with mechanical design. Loading, unloading manual, best suitable for testing batch quantities.

**Hardness Testers** Model B-3000(H), (O) & (J) are precision engineered confirms to IS : 2281-1983, BS : 240 & ASTM : E 10, however B-3000(H), (O), (J) are most suitable for production testing, These machines are designed to measure hardness of casting, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.

**TECHNICAL DATA :**

MODEL	UNIT	AI-B 3000(H)	AI-B 3000(O)	AI-B 3000(J)
Loads		500 to 3000 stages of 250	500 to 3000 in stages of 250	500 to 3000 stages of 250
Initial Load	kgf	250	Nil	Nil
Max. test height	mm	410	380	254
Depth of Throat	mm	200	200	150
Max. depth of elevating screw below base	mm	180	180	0
Size of base	mm	370 x 670	370 x 670	255 x 495
Machine Height	mm	1127	1185	860
Net Weight (Approx)	Kg.	450	500	210
Drive Motor	HP	0.33 - 415v/p	0.33 - 415v/p	Nil

**STANDARD ACCESSORIES :**

MODELS AI-B 3000	(H)	(O)	(J)
Testing table 200 mm ø	1pc.	1pc.	1pc.
Testing table 70 mm. ø with 'V' groove for round jobs - 10 to 80 mm dia	1 pc.	1 pc.	Nil
Ball holder 5 mm.	1 pc.	1 pc.	1 pc.
Ball holder 10 mm.	1 pc.	1 pc.	1 pc.
Test Block HB - 5/750	1 pc.	1 pc.	Nil
Test Block HB - 10/3000	1 pc.	1 pc.	1 pc.
Brinell Microscope	1 pc.	Nil	1 pc.
Allen Spanner	7 pcs.	4 pcs.	4 pcs.
Telescopic cover for elevating screw protection	1 set	1 set	Nil
Instruction manual	1 book	1 book	1 book

\* Specifications and Features are subject to change without prior notice.



**Aditya Instruments**

*Mfg. of : Universal, Impact, Hardness, Electronic Testing M/c. & its Spares.*

Plot No. 9, Kamala Neharu Society,  
Near Modern High School, Ichalkaranji - 416 115.  
Dist. Kolhapur (M.S.)

● Telefax : 91 0230 2425003 ● Cell. 91 098232 97671  
● E-mail : ich\_ai@rediffmail.com

Sold & Serviced by :