

BRINELL HARDNESS TESTERS



Hydraulic Brinell
Hardness Tester.

Model: SSS-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



Manual Brinell
Hardness Tester.

Model: SSS-B-3000(J)

Simplest machine with mechanical design. Loading, unloading operation manually through an operating lever.



Optical Brinell
Hardness Tester.

Model: SSS-B-3000(O)

Basic machine design and operation similar to 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 swivells and 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.

FEATURES

SSS Brinell Hardness Testers Model B-3000 (J), B-3000 (H), B-3000 (O) are precision engineered conforming to IS : 2281-1968, BS:240 & ASTM : E 10. B-3000 (J) is suitable for small batch testing, however B-3000 (H) & B-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		SSS-B-3000(J)	SSS-B-3000(H)	SSS-B-3000(O)
Load	Kgf	500, 750, 1000 1500, 2000, 2500, 3000	500 to 3000 in stages of 250.	500 to 3000 in stages of 250.
Initial load	Kgf	NIL	250	NIL
Max. test height	mm	254	410	380
Depth of throat	mm	150	200	200
Max. depth of elevating screw below base	mm	180	180	180
Size of base	mm	255 X 495	370 X 670	470 X 710
Machine height	mm	860	1127	1205
Nett Weight	kg	205	450	550
Drive Motor	HP	NIL	0.33	0.33
Mains supply	V/cy/ph	NIL	400-440/50/3	400-440/50/3
Other Feature		NIL	NIL	Direct reading optical device with 14 X magnification

STANDARD ACCESSORIES

MODEL	SSS-B-3000(J)	SSS-B-3000(H)	SSS-B-3000(O)
Testing table 50 mm ø	1 pc.	NIL	NIL
Testing table 200 mm ø	NIL	1 pc.	1 pc.
Testing table 70 mm ø with 'V' groove for round jobs-10 to 80 mm dia	NIL	1 pc.	1 pc.
Ball holder 5 mm	1 pc.	1 pc.	1 pc.
Ball holder 10 mm	1 pc.	1 pc.	1 pc.
Test Block HB-10/3000	1 pc.	1 pc.	1 pc.
Brinell Microscope	1 pc.	1 pc.	NIL
Allen Spanner	1 set	1 set	1 set
Telescopic cover for elevating screw protection	NIL	1 set	1 set
Instruction Manual	1 book	1 book	1 book

Due to constant research and development, specifications and features are subject to change without notice.