



# VERTEX

## Optical Brinell Hardness Tester VB-3000 (O)



VERTEX make optical Brinell Hardness Testing machine is a production testing Machine. Operation of the machine is similar to the VB 3000. Swiveling mechanism of the ball indenter, Built-in optical systems with 14 x magnification & projection screen with micrometer of least count 0.01 mm are the additional features of this machine. This helps the operator to measure the impression directly on the screen without moving the job. This machine confirms to IS: 2281 / 1983 and BS 240.

### **APPLICATION:**

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 Indentor swivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression.

## SPECIFICATION:

Model	VB-3000(O)
Loads kgf	250 to 3000 in stags of 250
Initial Loads Kgf	Nil
Max. Test Height (mm)	380
Depth of throat (mm)	200
Max. depth of elevating screw below base(approx.) (mm)	180
Machine height (approx.) mm	1185
Net weight (approx.) Kg	500
Drive motor Hp	0.33
Mains Supply	415/50/3
Optical Device	Direct reading optical device with 14x magnification

## STANDARD ACCESSORIES:

Model	VB-3000(O)
Testing table 200mm	1 pc.
Testing table 70mm dia with "V" groove for round jobs- 10 to 80mm dia.	1 pc.
Ball holder 5 mm	1 pc.
Ball holder 10 mm	1 pc.
Test block HB - 5/750	1 pc.
Test block HB - 10/3000	1 pc.
Brinell Microscope	NIL
Allen keys	4 pcs.
Telescopic Cover for elevating screw protection	1 set
Instruction manual	1 book



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Actual product may differ in color and appearance due to constant development.