

BRINELL HARDNESS TESTER

MODEL – VB 3000:



VERTEX make Brinell Hardness Testing Machine is most suitable for measuring the hardness of casting, forgings & other metals of all kinds. This machine is easy to operate & designed to get max productivity. Hydraulic power pack with control circuit is provided for effortless loading & unloading through land lever. A dial gauge is fitted on the front side to measure depth of penetration. Microscope with 25 X magnification is provided for measuring of Brinell impressions. This machine confirms to IS : 2281 / 1983 and BS 240

MODEL – VB 3000 (O):



VERTEX make optical Brinell Hardness Testing machine is 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

VB - 3000 (M):



This machine is simple in design, loading & unloading is through a manually operated hand lever. It is suitable for testing wide range of materials, flat, round or irregular shape. Microscope with 25 X magnification is provided for measuring of Brinell impressions. This machine conforms to IS : 2281 - 1983 & BS - 240

TECHNICAL SPECIFICATIONS

Model	VB-3000	VB-3000(O)	VB-3000(M)
Loads in Kgf	500+3000 in stages of 250	500+3000 in stages of 250	500, 750, 1000, 1500, 2000, 2500, 3000
Initial Load in Kgf	250	Nil	Nil
Max Test Height x Throat (mm)	380 x 200	380 x 200	220 x 150
Machine height mm (Apprx)	1155	1235	870
Size of base mm (Apprx)	385 x 754	385 x 745	275 x 505
Net weight Kg (Apprx)	325	425	210
Drive motor Hp	0.33	0.33	--
Mains Supply	415V, 50 Hz 3ph A/c	415V, 50 Hz 3ph A/c	--
Indentation Measurement	By separate microscope	Direct reading on projection screen	By separate microscope

STANDARD ACCESSORIES

Model	VB-3000	VB-3000(O)	VB-3000(M)
Testing table ø 200mm	1 no.	1 no.	--
Testing table ø 50mm	--	--	1 no.
V groove table for round jobs from 10 to 80 mm	1 no.	1 no.	1 no.
Ball holder 5 mm	1 no.	1 no.	--
Ball holder 10 mm	1 no.	1 no.	1 no.
Test block HB - 5/750	1 no.	1 no.	--
Test block HB - 10/3000	1 no.	1 no.	1 no.
Microscope	1 no.	--	1 no.
Allen keys	1 set	1 set	1 set
Steel ball 5 mm	5 nos.	5 nos.	--
Steel ball 10 mm	5 nos.	5 nos.	5 nos.
Instruction manual	1 book	1 book	1 book