

# VICKERS HARDNESS TESTER

SSS Vickers Hardness Tester is simple & accurate in design. It is suitable for measuring the hardness of precision metallic parts with wide range - from soft to hard & their accurate results are widely acclaimed. These testers strictly conform to IS : 1754 - 1968.

## FEATURES :

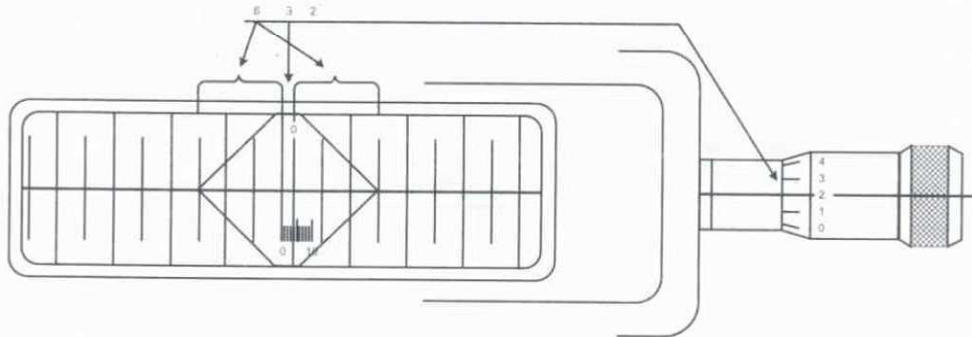
- Wide testing range, from soft metal such as lead, upto the hardest, like hardened steel.
- Tiny indentation allows testing of a precision finished parts. Thin sheet metal are perfectly tested. Because applied load is very small
- E Same hardness number is obtained on the same specimen, regardless of the load applied
- E Motorized loading and unloading cycle.
- E Built-in projection screen to get accurate results.

## CONSTRUCTION :

To accommodate the high precision loading system & an optical projection screen, the machine frame is designed study. Specimen is placed on a testing table. The test cycle is fully automatic. The accurate load is applied on a diamond penetrator by means of a lever & weights. The load is removed automatically after a specific lapse of time. The objective is indexed with the test piece & the diamond indentation is projective is indexed with the test piece & the diamond indentation is projected on the measuring screen. The diagonals of the indentation can be measured by means of the micrometer screw of the projection screen



**VICKERS HARDNESS TESTER  
MODEL : SSS-VM-50**



Example :  
Applied objective with 70-fold magnification  
Length of diagonal of indentation 632 micron = 0.632 mm

## TECHNICAL DATA :

Test Loads	5, 10, 20, 30, 50kg.
Magnification of optical projection	70x
Max. Test Height (mm)	200
Scale least count (mm)	0.001
Depth of throat (mm)	133
Dimensions of Machine (mm)	L585xW290xH860
Weight (Approx)	73kg.
Power Supply	220V AC, 50Hz, 1phase

## STANDARD ACCESSORIES :

Standard Test Block	1 pc
Diamond Penetrator	1 pc
Weights	1 set
Flat Anvil	1 pc
Vee-type Anvil	1 pc each
Spanners	1 set
Electric cord	1 pc
Instruction Manual	1 book

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



## SSS INSTRUMENTS

12/668, Satpute Galli,  
Near Veershaiv Co. Op. Bank Ltd.  
ICHALKARANJI - 416115, Dist : Kolhapur.  
(MAHARASHTRA) (INDIA)  
Mobile No. 09766536899  
EMAIL : sssinstrument@gmail.com.

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