GENESISS ENGINEERS

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VICKERS HARDNESS TESTER

MODEL : VM-50

Features :

- Testing range is very wide, from soft metal such as lead, upto the hardest, like hardness steel.
- Same hardness numberis obtained on the same specimen, regardless of the load applied.
- The indication is tiny and allows testing of a precision finished part.
- Loading and unloading cycle is motorised.
- Thin sheet metal is perfectly tested because the load applied very small.
- Built-in projection screen to get accurate results.

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VICKERS HARDNESS TESTER

MODEL : VM-50

SPECIFICATIONS :

'FIE' Vickers Hardness Tester is a simple and accurate means to produce and measure the diamond indentation

These testers are suitable for measuring the hardness of precision metallic parts with wide testing range - from soft to hard and their accurate results are widely acclaimed. These testers strictly conform to IS 1754 and ISO 6507-2.

TECHNICAL DATA :

Total Loads	5,10,20,30,50 kgf.
Optical Magnification	70 X
Optical Measuring Range (mm)	0.1 to 1.0
Max. Test Height (mm)	200
Scale least count (mm)	0.001
Throat Depth (mm)	135
Machine Dimension (mm)	L 585 x W 290 x H 860
Weight (approx)	70 kg
Power Supply	220 VAC, 50 Hz, 1 Phasel

- Number of special accessories are available on request and as per special requirement.

CONSTRUCTION :

The robust machine frame is designed to accommodate the high precision loading system and an optical projection screen.

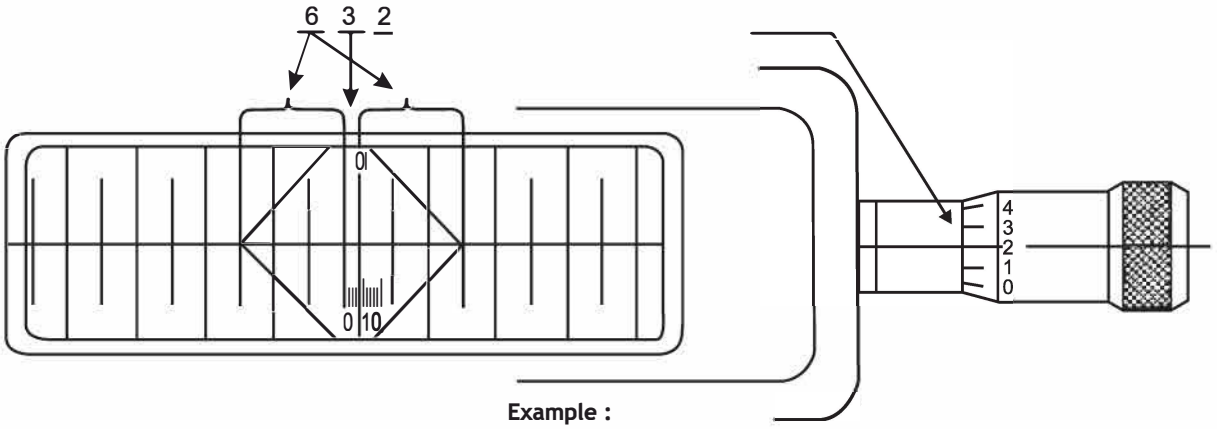
Specimen is placed on a testing table. The test cycle is fully automatic. The accurate load is applied on a diamond penetrator by means of a lever and weights. After a specific lapse of time, the load is removed automatically.

The objective is indexed with the test piece and 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.

STANDARD ACCESSORIES :

1.	Standard Test Block	1 No.
2.	Diamond Penetrator	1 No.
3.	Weights	1 Set
4.	Flat Anvil	1 No.
5.	Vee-type anvil (Small & Big)	1 No. each
6.	Spanners	1 Set
7.	Electric Cord	1 No.
10.	Instruction Manual	1 Book



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

- Due to constant Research and Development, Specifications and Features are subject to change without notice.

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