

MATERIAL TESTING MACHINES SERVICES







Products



Computerised Micro-Vickers Hardness Tester

(Models: MV-1 PC)

Computerised Microvickers Hardness Tester is a simple and accurate means to produce and automatically measure the diamond indentation to give micro hardness numbers directly. 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:1754:2002 and ISO 6507-2:1997.

Construction:

The machine frame is designed to accommodate the high precision loading system. Specimen is clamped by vice or supported by proper fixtures. The test cycle is fully automatic. The accurate load is applied on a diamond indentor by means of dead weights. After a lapse of time, the load is removed automatically. The image id digitallized using a CCD Camera fitted on the machine and is captured by the PC. The diagonals of the indentation are measured by the PC and the Micro Hardness number is displayed directly on monitor.



Request A Quote

Features :

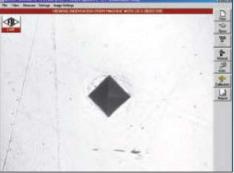
- Fully Computerised (PC based) Micro Hardness Tester.
- -- Direct and accurate measurement of micro hardness number using "State of the art" image processing technology.
- www Wide testing range: From soft metal such as lead up to hardest, like hardened steel.
- High accuracy and repeatability of measurement at all loads.
- Small size of indentation makes it a non destructive testing on finised components.
- Load slection by external knob.
- Motorised loading and unloading cycle.
- Small loads allow testing of thin sheet metals.

• Advanced Window 98 Based Software :

- Latest GUI features with user friendly software.
- On line indentation setting and focusing on PC monitor.
- Advanced Image Processing : Algorithms implemented for precise calculations of hardness numbers with various options to cover all ranges of specimens.
- Batch File Processing: Option for data/ storage and reports generation for case depth analysis etc.
- Statistical Evaluation: Software for calculating standard deviation, mean, medium, frequency distribution graph, variation graph etc.
- Calibration mode facility.

Scope of Supply

- Basic machine with CCD Camera, optics with illumination system and connecting cable.
- PCI video capture card with driver software.
- PC and Windows operating system is procured by customer. Minimum Pentium II with 64mb RAM & Window 98 / 98SE operating system required.

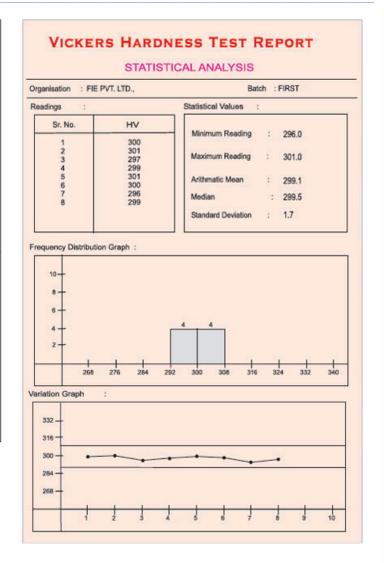






Result View

Technical Data :				
Test Loads	:	10, 20, 50, 100, 200, 300, 500 gf		
Maximum Test Height	:	30 mm with clamping vice 50 mm without clamping vice		
Sample Stage (XY stage) with micrometer heads of 0.01 LC	:	10mm movement in each axis		
Clamping vice capacity	:	40mm max.		
Scale least count	:	0.0001 mm		
Machine dimension	:	L 450 X W 275 X H 535 mm (Aprox)		
Weight (approx.)	:	48 kgs		
Measuring Range	:	0.01 to 0.2 mm		
Standard Accessories :				
Vickers Diamond Indentor 136 pyramid			:	1 No.
Standard Test Block			:	1 No.
Spanners			:	1 Set
Supply Cord			:	1 No.
PC interface cable			:	1 No.
Video Capture Card			:	1 No.
Microvicksys Software CD			:	1 No.
Instruction Manual			:	1 No.



• PC & Printer is not in our standard scope of supply.

MATERIAL TESTING MACHINES SERVICES

Narsinh Residency, Flat No. B - 4, 1st Floor, S. No. 81 / 2 A / 1 A, Main Road, New Sangvi, Pune - 411027, Maharashtra, India.

Tel. No. +91 - 20 - 65330794, 32948178, 65334794

Fax: +91 - 20 - 27286718

Mobile: +91 - 99706 00961 / 99604 22922

E-mail: response@mtmspune.com

Also Visit Website: www.testingmachine.co.in