

PC Based Vickers Hardness Testing Machine



Fully Computerised System for Indentation measurement and display on in Built Industrial PC with touch screen facility

Vickers Hardness is measured using image processing techniques based on conditional edge detection & noise reduction achieved through computer vision. The compiled algorithm conceives into highly accurate, repeatable and faster output than conventional methodology.

Auto/ Manual measurement modes along with exhaustive analytics built in the system helps capturing all results and analyze at will.

Specially designed multi element lens system with dual illumination technology offers constant magnification regardless of lens focal point.

2 Mega pixel active CMOS sensor, which contains photodetector and an active amplifier offers sharper image than any CCD camera available.

Image magnification	- 75 X
Least count of measurement	- 0.0005mm
Vickers test loads	- 5, 10, 15, 20, 30, 40 & 50 kgf
Selection of test loads	- by push butto
Hardness measurement range	- 35 to 1850 HV. (For each load there is a different range)
Test height x Throat	- 245 x 120 mm
Accuracy of Measurement of loads	- +/- 1%
Indirect Verification	- by standard test blocks
Conforms to standard	- IS :1754
Machine Sizes (Aprox) (L x W x H)	- 660 x 320 x 990 mm
Total Weight of Machine (Aprox)	- 175 kgs

Designed for measuring Vickers hardness of steel and metals of all types suitable for Small, Hard and thin specimen also for case hardened or coated jobs of low case depth.

Other Products : Universal Testing Machines (Static and Dynamic), Hardness Tester (Rockwell, Brinell, Vickers, and Micro), Impact Testing Machines, Abrasive Cut off Machine, Sample Preparation Equipments, Image Analysis, etc. visit our website: www.gatha.com

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