



VERTEX

MICRO VICKERS HARDNESS TESTER (HV-1000-MT-AT)



MAIN FEATURES:

- Cast iron machine body with car painting technology, structure more stable and appearance more decent.
- 10X eyepiece, read data from drum micrometer.
- With LCD screen digital display, directly display hardness value, dwell time, etc.
- Menu structure interface, easy operation.
- With HV / HK test function (if need HK test function, optional purchase Knoop diamond indenter and standard Knoop hardness blocks)
- Double optical path design. Reserved photo camera port, can add camera and work with hardness tester analysis and measuring software system (camera & software system for optional purchase).



APPLICATION:

- Steel, nonferrous metals, tinsel, cemented carbide, sheet metal, metallographic structure.
- Carburization, nitriding and decarburization layer, surface hardening layer, galvanized coating, coating.
- Glass, chip and ceramic material.

SPECIFICATION:

Model	HV-1000MT	HV-1000AT
Turret	Manual turret	Automatic turret
Test force	10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf(4.9N), 1kgf (9.8N)	
Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1	
Conversion Scale	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HBS, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
Hardness range	5-3000HV	
Min. measuring unit	0.25µm	
Data display	LCD screen	
Sample Height	Maximum sample height: 120mm, Throat depth: 110mm	
X-Y Testing table	Dimension: 100x100mm, Max movement: 25x25mm	
Force loading type	Automatic (Loading, Dwell, Unloading)	
Magnification	Eyepiece: 10X Objective: 10X (observation); 40X (measuring) Total: 100X (observation); 400X (Measuring)	
Duration time	1~60s	
Power supply	AC220V±5%, 50-60Hz	
Machine size	405*290*480mm; Net weight: 40kg	
Package size	530x350x820mm; Gross weight: 59kg	
Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2	

Traditional keypad LCD screen

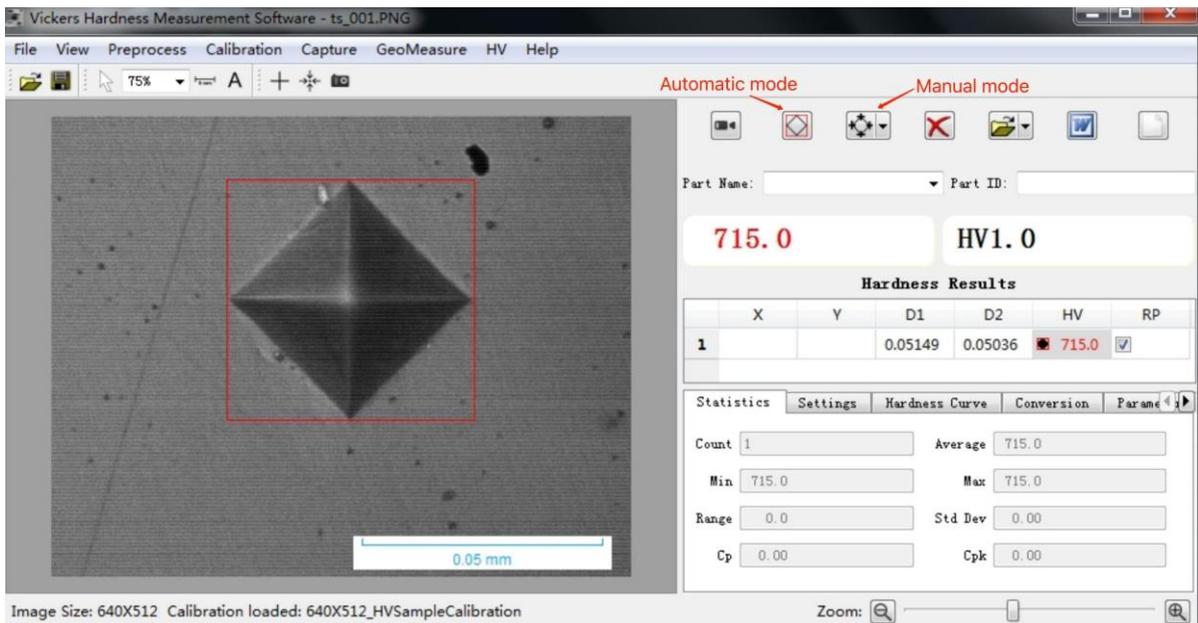
- 1) Input indentation diagonal length into machine, system automatic calculate and display hardness value on screen
- 2) In menu can set time, conversion scale, test scale, etc.
- 3) Can adjust the lightness of light source.
- 4) Press Start key machine automatic loading - dwell - unloading



STANDARD PACKING LIST:

Item	Q'ty	Item	Q'ty
Weight shaft	1	Weights	6
X-Y Cross clamping testing table	1	Eyepiece 10X	1
Flat clamping testing table	1	Thin Specimen Testing Table	1
Vickers diamond indenter	1	Level adjustment screw	4
Micro Vickers hardness block	2	Objective 10X, 40X	1+1
Dust-proof cover	1	Screw driver	2
Power cable	1	Fuse (2A)	2
Manual	1	Product Certificate	1

Micro / Vickers Hardness Measurement Software (Optional Purchase)

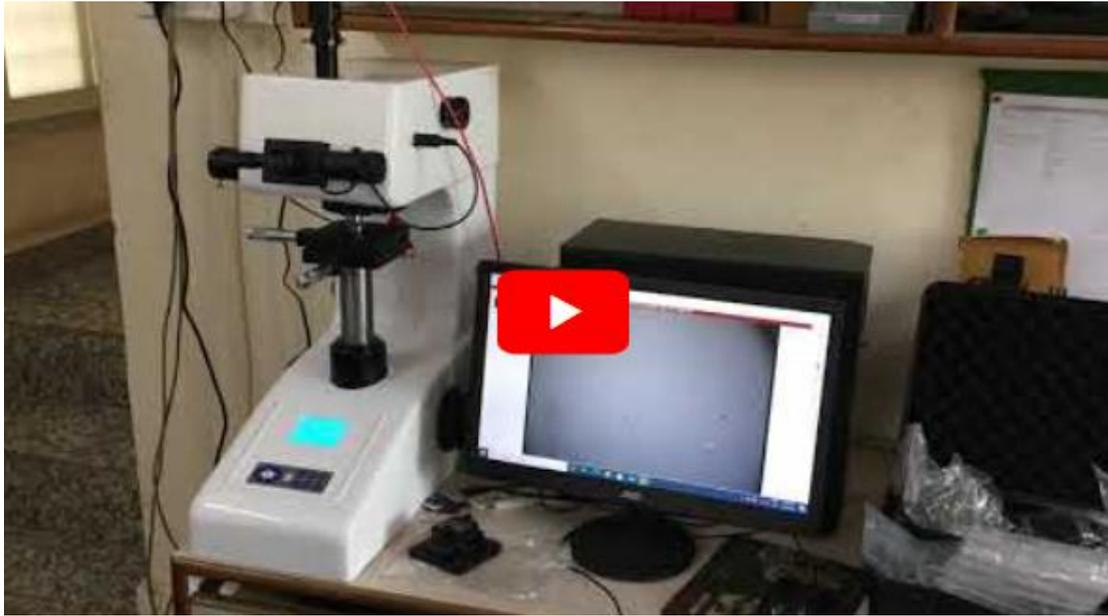


HVS-A: with automatic measuring mode and manual measuring mode.

HVS-M: Only with manual measuring mode, without automatic measuring mode, other functions same as HVS-A.

Software can generate test report automatically in word / Excel format, including hardness value, test force, indentation image and hardness curve, case depth, etc.

DEMO VIDEO: Please Click on it to open



 <https://www.vertexmachines.com/>  **+91 93234 05785**  info@vertexmachines.com

Actual product may differ in color and appearance due to constant development.