

# MICRO VICKERS HARDNESS TESTER



Equipped with built-in printer and RS232 Port: standard machine comes with Precision screw rod lifting system al available (precision worm gear rod lifting system for optional purchase.



## MAIN FEATURES:

- One-time casting aluminum machine body with car painting technology, structure more stable and appearance more decent.
- Digital 10X eyepiece with inbuilt encoder, click the encoder machine will automatic get indentation diagonal length data D1 & D2, no need manual input data into machine, greatly improved testing accuracy and working efficiency.

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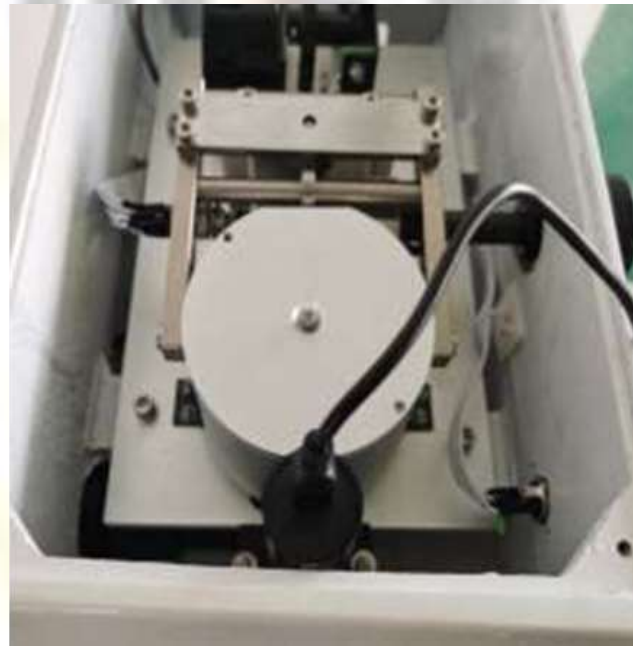
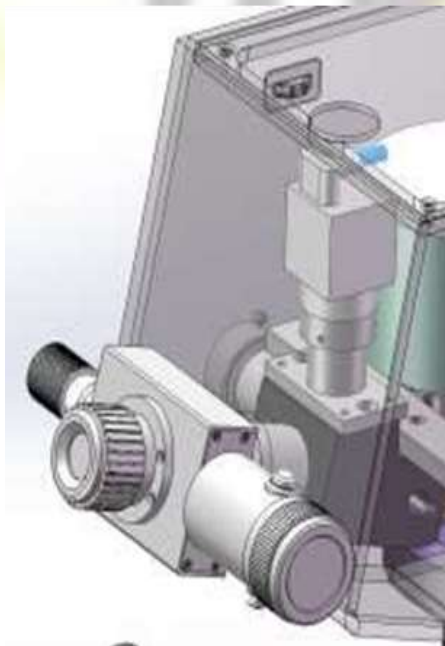
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- With LCD screen digital display, directly display hardness value, dwell time, conversion hardness value, etc.
- Menu structure interface, easy operation.
- With HV / HK test function (if need HK test function, optional purchase Knoop diamond indenter and standard Knoop hardness blocks).
- With a built-in printer, test results can be printed out directly.
- With RS232 communication port, purchase our data transfer software via RS232 port can save test data to a computer and by software can control machine (for Automatic turret machine)
- Double optical path design. Both the eyepiece and CCD camera path can work at same time. No need to switch optical paths. The camera can be installed inside machine (camera for optional purchase).



## TECHNICAL SPECIFICATIONS

<b>Model No.</b>	<b>MVH-1000DM</b>	<b>MVH-1000DA</b>
<b>Turret</b>	Manual turret	Automatic turret
<b>Test force</b>	10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf(4.9N), 1kgf (9.8N)	
<b>Hardness scale</b>	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1	
<b>Conversion Scale</b>	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
<b>Hardness range</b>	5-3000HV	
<b>Min measuring unit</b>	0.01µm	
<b>Data display</b>	LCD screen	
<b>Data output</b>	built-in printer, RS-232 port	
<b>Maximum height allowed for testing</b>	90mm	
<b>Throat depth</b>	95mm	
<b>X-Y Testing table</b>	Dimension: 100x100mm Max movement: 25x25mm	
<b>Force loading type</b>	Automatic (Loading, Dwell, Unloading)	
<b>Magnification</b>	Eyepiece: 10X; Objective: 10X (observation use); 40X (measuring use) Total: 100X (observation); 400X (Measuring)	
<b>Duration time</b>	1~99s	
<b>Power supply</b>	AC220V±5%, 50-60Hz	
<b>Machine size</b>	405*290*480mm; Net weight: 40kg	
<b>Package size</b>	530x350x820mm; Gross weight: 59kg	

## STANDARD ACCESSORIES: -

Part Name	Q'ty	Part Name	Q'ty
Weight shaft	1	Weights	6
X-Y Cross clamping testing table	1	Flat clamping testing table	1
Filament clamping testing table	1	Thin Specimen Testing Table	1
Printer paper	1	Level adjustment screw	4
Gradienter	1	Objective 10X, 40X	1+1
Micro Vickers hardness block	2	Eyepiece 10X	1
Dust-proof cover	1	Screwdriver	2
Power cable	1	Fuse (2A)	2
Manual	1	Product Certificate	1

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LED Cold light source (can be continuous use for 24 hours, no heat generates ensures stable working, servicing life can reach 100,000 hours); Lightness can be adjusted, avoiding visual fatigue of the operator.

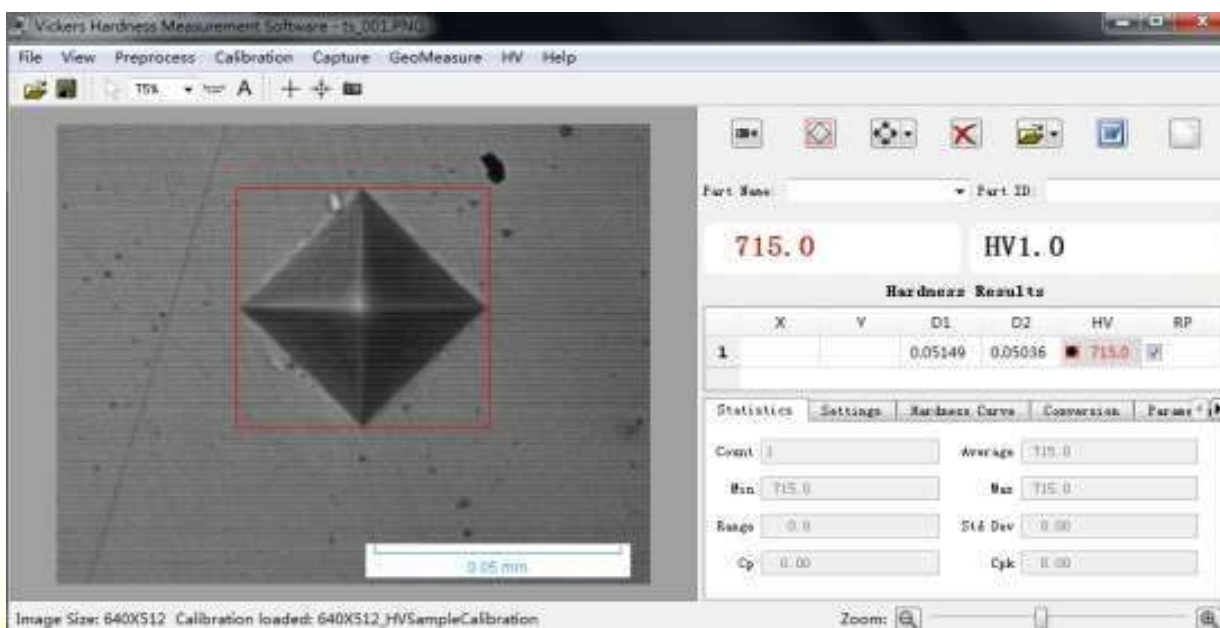
X-Y Testing table of Micro Vickers hardness tester

Dim.:100×100 mm, Max. Travel Range: 25×25mm,

Moving Resolution Ratio: 0.01mm

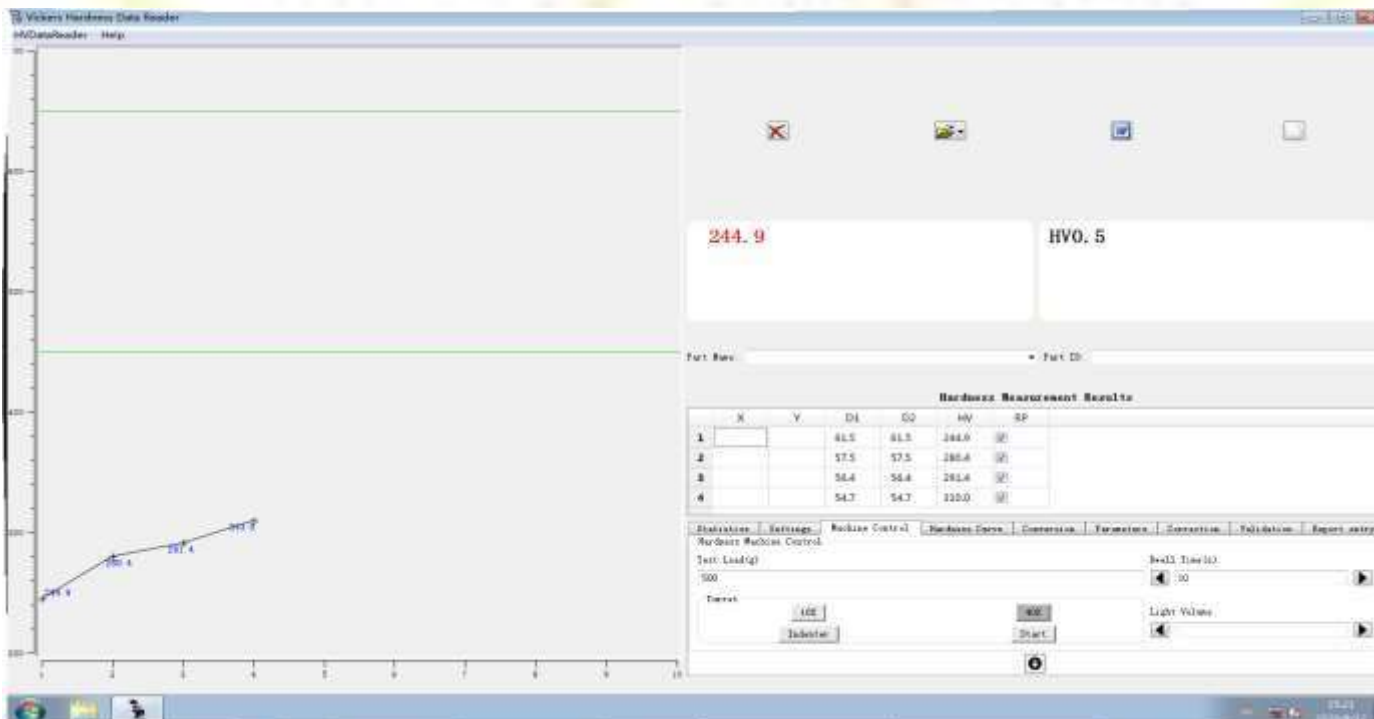


**HVS-A Micro / Vickers Hardness Measurement Software (Optional Purchase 1)**



Software support automatic measurement & manual measurement can generate test report automatically in word / Excel format, including hardness value, test force, indentation image and hardness curve, etc.

**Data Transfer Software (Optional Purchase 2)**



Software can control the machine turret and generate test report including hardness value curve. Software install on the computer, connect with hardness tester through RS232 port. All the testing result can save to computer and generate test report in word format.