

**Touch Screen Digital Micro Vickers Hardness Tester iVick-458ST**

iVick-458ST is a new generation of Micro Vickers hardness tester adopts the integrated design of hardness tester and panel computer, all the testing parameters can be selected on the panel computer.

Touch screen makes the operation quickly and conveniently. CCD image acquisition system can show dynamic indentation image, lock the image and automatically get the Vickers hardness value with high precision and stability, and avoid the human errors.

iVick-458ST adopts the integrated design of hardness tester and panel computer, with Windows 7 operating system, it has all functions of computer and can be connected to the output devices such as external screen and printer;

iVick-458ST equips with motorized turret between the objective and the indenter;

The lifting screw of iVick-458ST adopts worm and gear structure with smooth transmission;

iVick-458ST comes with the function of hardness scale conversion;

Automatically save the measuring data, generate the hardness-depth curve and save as WORD or EXCEL report;

Digital micrometer X-Y test table makes measurement more precise and realizes the fully automation of Micro Vickers hardness testing with optional motorized X-Y test table.

**Application range:**

Suitable for ferrous metal, non-ferrous metals, IC thin sections, coatings, ply-metals; glass, ceramics, agate, precious stones, thin plastic sections etc.; hardness testing such as that on the depth and the trapezium of the carbonized layers and quench hardened layers.

**Technical Specification:**

Model	iVick-458ST	
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N
Test Range	1HV~2967HV	
Test Mode	HV/HK	
Loading Method	Automatic (Loading/Dwell/Unloading)	
Turret	Automatic Turret	
Computer	CPU: Intel I3, Memory: 2G, SSD: 32G	
CCD Pixel	1.30 Million	
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBW	
Hardness Reading	Indentation Displaying and Automatic Measuring on Touch Screen	
Data Output	WORD or EXCEL Report with Curve Chart	
Objective	10x (Observe), 40x (Measure)	
Total Magnification	100x, 400x	
Resolution	0.0625μm	
Dwell Time	0~60s	
Light Source	Halogen Lamp	
Motorized X-Y Test Table	Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm	
Max. Height of Specimen	185mm	
Throat	130mm	
Power Supply	AC220V/50Hz/1Ph, AC110V/60Hz/1Ph	
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2	
Dimension	560×335×675mm, Packing Dimension: 650×380×960mm	
Weight	Net Weight: 48kg, Gross Weight: 62kg	

**Packing List:**

Name	Qty	Name	Qty
Instrument Main Body	1 set	Diamond Micro Vickers Indenter	1 pc
10x, 40x Objective	each 1 pc	Weights	6 pcs
Weight Axis	1 pc	Cross Test Table	1 pc
Flat Clamping Test Table	1 pc	Thin Specimen Test Table	1 pc
Filament Clamping Test Table	1 pc	Horizontal Regulating Screw	4 pcs
Level	1 pc	Power Cable	1 pc
Fuse 1A	2 pcs	Halogen Lamp 12V/15~20W	1 pc
Screw Driver	2 pc	Hardness Block 400~500 HV0.2	1 pc
Hardness Block 700~800 HV1	1 pc	Anti-dust Cover	1 pc
Usage Instruction Manual	1 copy		