

**Digital Vickers Hardness Tester iVick-483ST**

- New generation of Vickers hardness tester adopts the integrated design of hardness tester and tablet computer, all the testing parameters can be set on the tablet computer.
- 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.
- Touch screen tablet computer was installed with Windows 7 operating system, has all functions of computer and can be connected to the output devices such as external screen and printer;
- Original installed three objectives for measurement, automatic recognition and motorized turret.
- The lifting screw adopts worm and gear structure with smooth transmission;
- Support hardness conversion function;
- Automatically save the measuring data, generate the hardness-depth curve and save as WORD or EXCEL document;
- With digital micrometer X-Y test anvil, it makes measurement more precise and realizes the fully automation of 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:**

iVick-483ST	0.2kgf, 0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf 1.96N, 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N
iVick-484ST	0.2kgf, 0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf 1.96N, 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N
iVick-485ST	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N
iVick-486ST	0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N, 490N
Test Range	1HV~2967HV
Loading Method	Automatic (Loading/Dwell/Unloading)
Turret	Automatic Turret
Computer	CPU: Intel I3, Memory: 2G, SSD: 32G
CCD Pixel	1.3MP
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, 20x, 40x
Total Magnification	100x, 200x, 400x
Resolution	0.25 $\mu$ m, 0.125 $\mu$ m, 0.0625 $\mu$ m
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 E92, 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 Vickers Indenter	1 pc
10x, 20x, 40x Objective	each 1 pc	Cross Test Table	1 pc
Power Cable	1 pc	Horizontal Regulating Screw	4 pcs
Level	1 pc	Fuse 1A	2 pcs
Halogen Lamp 12V/15~20W	1 pc	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 700~800 HV1	1 pc
Hardness Block 400~500 HV5	1 pc	Anti-dust Cover	1 pc
Usage Instruction Manual	1 copy		