

# Fully Automatic Vickers Hardness Tester XHVT-5Z/10Z/30Z/50Z-II



## Description:

- A new generation of Vickers hardness testing incorporating a built in PC and a Touch Screen.
- Built-in CCD image capture system, displaying clearly the tested indentation.
- Touch screen panel and automatic testing of Vickers and Knoop scales.
- Automatic rotation between objective lens and indenter.
- Three objective Lenses 10X 20X 40X.
- USB and RS232 interfaces.
- Automatic saving of results, with hardness height curve and outputting to Word or Excel.
- Automatic X-Y stage focus and an automatic operation.

## Specifications:

Product Name		Fully Automatic Vickers Hardness Tester			
Model		XHVT-5Z-II	XHVT-10Z-II	XHVT-30Z-II	XHVT-50Z-II
Testing Force	Kgf	0.3 0.5 1 2 2.5 3 5	0.3 0.5 1 2 2.5 3 5 10	0.5 1 2 2.5 3 5 10 20 30	1 2 2.5 3 5 10 20 30 50
	N	2.94 4.9 9.8 19.6 4.5 29.4 49	2.94 4.9 9.8 19.6 24.5 9.4 49.0 98	4.9 9.8 19.6 24.5 29.4 49.0 98 196 294	9.8 19.6 24.5 29.4 49.0 98 196 294 490
Testing Range		8HV0.3~ 2900HV5/10/30/50 HK			
Lens & Indenter Switch		Auto-turret			
X-Y Stage		Size:100x100mm Travel:50X50mm Resolution:2µm			
Loading Control		Automatic (Loading, Dwell and Unloading)			
Data Output		RS-232/Mini-printer			
Auto Hardness Conversion		HRA HRB HRC HV HK HBW etc			
Microscope Magnification		Observation 10x Measurement 20x			
Eyepiece		10x			
Dwell Time		0~60s (5 seconds as a unit)			
Hardness Indication		Computer Display			
Illumination		Adjustable LED			
Max Test Height		185mm			
Test Throat		130mm			
Power Supply		AC 220V/50Hz 110V/60Hz			
Dimensions		560 × 335 × 675mm			
Packing Dimensions		630 x 460 x 710mm			
Gross/Net Weight		70/55kg			
Execution Standard		GB/T4340.2 EN-ISO6507 ASTME10-08 ASTME-384			

## Standard Packing List:

- Mainframe
- 10x Eyepiece
- 10x Objective Lens
- 20x Objective Lens
- 40x Objective Lens
- Accessories Box
- Gradienter
- Screwdriver
- Allen Wrench
- Vickers Indenters /Blocks
- Fuses
- Power Cable
- Halogen Lamp
- Anti-dust Cover
- Level Screw
- X-Y Test Anvil
- Large Test Anvil
- V-shape Test Anvil
- Mini-printer
- Instruction Manual

## Optional Accessories:

Optional Items	Optional Items	Optional Items
Filament Clamp	Hardness Blocks	Polishing Machine
Flat Clamp	Knoop Indenter	Cutting Machine
Thin-piece Clamp	Medium-Flat Anvil	Mounting Press