

# COMPUTERISED VICKERS HARDNESS TESTING MACHINE



VHT-50/250 PC

VHT-50/ 250IPC



Registered Office: UGF-12 Ansal Plaza-1 Chiranjeev Vihar Ghaziabad-201002 (U.P.) INDIA Workshop: Khasra No - 63 Village Bayana, Near Wave City, NH 24, Ghaziabad -201015 (U.P.) INDIA

Phone: +91-8750305291

Email: info@hsmleindia.in / sales@hsmleindia.com
Website: www.hopesmluckyenterprises.in / www.hsmleindia.com (Under Construction)

ISO 9001: 2015

### **DESCRIPTION**

The computerized Vickers / Brinell Hardness tester has a C-type load frame. The job is positioned on the test table and lifted by the hand wheel to set the focal point. The required load is applied on the job and removed by a motorized system. After indexing the plate, optics will come in place of indentation & will transfer the image of indentation to the Camera. The image is further digitalized and processed by PC/ TPC for measurement. The diagonal / diameter of the image can be measured automatically / semi-automatically / manually to get Vickers / Brinell Hardness value.

### **FEATURES**

- Fully computerized system for indentation measurement and display.
- Accurate measurement of Vickers / Brinell Hardness through matched Optics, CCD Camera, hardware and software using advanced image processing technologies.
- Wide range of testing
- High accuracy & confirms to related to IS & ISO standard @ Windows based software system.
- Three modes of measurement, manual, semi auto and auto
- In auto mode the image is scanned for measurement and hardness is displayed automatically.
- In Semi automatic mode curser is to click on the indentation to get the hardness value.
- In manual mode curser is to be matched to the diagonal / diameter of the indentation to get the hardness value.
- Calibration mode is provided with password protection. 

  Batch testing facility is provided.

  The test report consists of Machine, sample and test details along with
- Mean Diagonal / diameter
- Vickers / Brinell Hardness value
- Bitmap image
- Low / high limits acceptance and accept or reject status

Registered Office: UGF-12 Ansal Plaza-1 Chiranjeev Vihar Ghaziabad-201002 (U.P.) INDIA Workshop: Khasra No - 63 Village Bayana, Near Wave City, NH 24, Ghaziabad -201015 (U.P.) INDIA

Phone: +91-8750305291

Email: info@hsmleindia.in / sales@hsmleindia.com

Website: www.hopesmluckyenterprises.in / www.hsmleindia.com (Under Construction)

# ISO 9001: 2015

#### **TECHNICAL SPECIFICATIONS**

DESCRIPTION	VHT-50-PC	VHT-50-IPC	VHT-250-PC	VHT-250-IPC	
Loads (Kgf.)	5, 10, 20,30 & 50	5, 10, 20 ,30 & 50	5, 10, 20 ,30 & 50 For Vickers 62.5, 187.5, 250 For	5, 10, 20 ,30 & 50 For Vickers 62.5, 187.5, 250 For	
			Brinell	Brinell	
Maximum Test height (mm)	200 mm	200 mm	200 mm	200 mm	
Depth of throat (mm)	150 mm	150 mm	150 mm	150 mm	
Weight Approx. (Kgf)	180	180	180	180	
Dimension L x W x H mm	60x180x850	660 x 250 x	660 x 250 x 850 mm	660 x 250 x 850 mm	
	mm	850 mm			
Connected load	0.1 KVA, 1 Phase AC, 220V, 50 Hz				

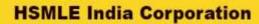
#### **STANDARD ACCESSORIES:**

TEM DESCRIPTION VHT-50-P	C	VHT-50-IPC VHT-2	50-PC	VHT-250-IPC
1. Flat Table of 100mm Dia.	1 No	1 No	1 No	1 No
2. Vee Table for Specimen	1 No	1 No	1 No	1 No
- 6 to 80 mm Dia				
3. Vickers Diamond Indenter	1 No	1 No	1 No	1 No
4.Ø2.5, 5mm Ball Indenter		1 No. eac		1 No. each
5.Ø2.5, 5mm Steel Balls		JU 10-10	5 No. each	5 No. each
6. Vickers test block	1 No	1 No	1 No	1 No
7. Brinell test block			1 No	1 No
8. Electrical Cord	1 No	1 No	1 No	1 No
9. Operate Manual	1 No	1 No	1 No	1 No
10. Panel PC		Fan less Panel Pc with 4:3 LED touch screen panel and industrial mother board. Intel Atom Processor 1.6 GHZ, 1 GB DDR 2 RAM		Fan less Panel Pc with 4:3 LED touch screen panel and industrial mother board. Intel Atom Processor 1.6 GHZ, 1 GB DDR 2 RAM 8.0" LCD Monitor of
				Resolution
		Resolution 800 x 600		800 x 600 (SVGA)
		(SVGA)		

Registered Office: UGF-12 Ansal Plaza-1 Chiranjeev Vihar Ghaziabad-201002 (U.P.) INDIA Workshop: Khasra No - 63 Village Bayana, Near Wave City, NH 24, Ghaziabad -201015 (U.P.) INDIA

Phone: +91-8750305291

Email: info@hsmleindia.in / sales@hsmleindia.com
Website: www.hopesmluckyenterprises.in / www.hsmleindia.com (Under Construction)





ISO 9001: 2015

Registered Office: UGF-12 Ansal Plaza-1 Chiranjeev Vihar Ghaziabad-201002 (U.P.) INDIA Workshop: Khasra No - 63 Village Bayana, Near Wave City, NH 24, Ghaziabad -201015 (U.P.) INDIA

Phone: +91- 8750305291

Email: info@hsmleindia.in / sales@hsmleindia.com
Website: www.hopesmluckyenterprises.in / www.hsmleindia.com (Under Construction)