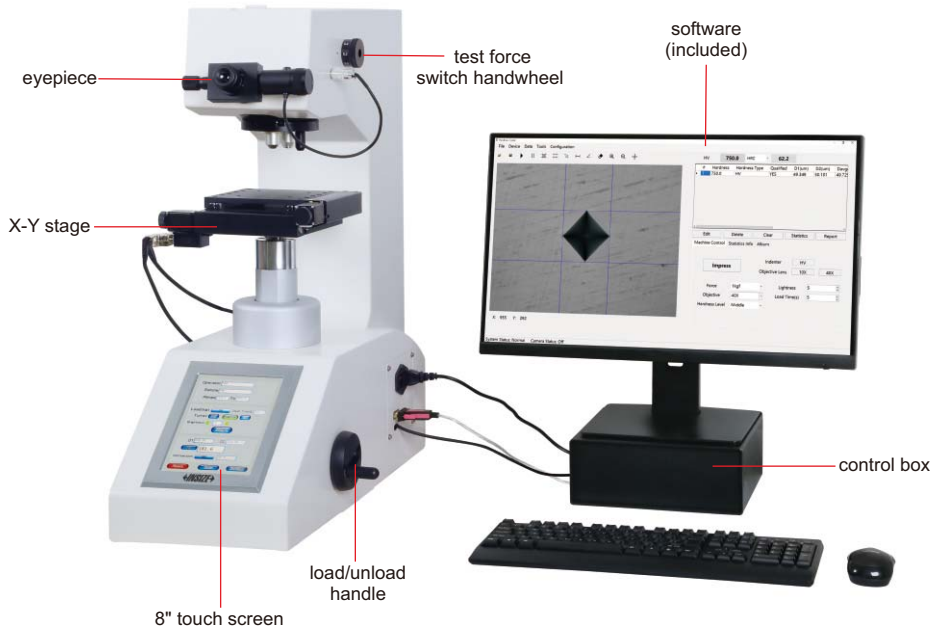


AUTOMATIC MICRO-VICKERS HARDNESS TESTER CODE HDT-VS1D**



vice (included)



slice holder (included)

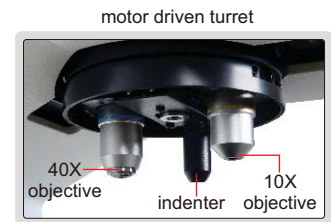


cylinder holder (included)

- Detect depth of hardened layer of head treatment and coating thickness. Can also be used for metallography observation
- Calibrate according to standard hardness blocks or length scales
- Convert to HRA, HRB, HRC, HRD, HRF, HV, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- Built-in printer
- According to ISO 6507



X-Y stage



motor driven turret

result and conversion

#	Hardness	Hardness Type	Qualified	D1(um)	D2(um)	Davg(um)
1	750.0	HV	YES	49.349	50.101	49.724

measuring list

report

machine control

depth of hardened layer

SPECIFICATION

Test force	0.098N(10gf), 0.245N(25gf), 0.49N(50gf), 0.98N(100gf), 1.96N(200gf), 2.94N(300gf), 4.9N(500gf), 9.8N(1kgf)	
Vickers scales	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1	
Range	8HV~2900HV	
Length measurement resolution	0.01μm	
Objective/indenter switch	motor driven turret	
Stage lifting	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	1~99 second	
Objective	10X, 40X	
Eyepiece	10X	
Total magnification	100X (for measurement or observation), 400X (for measurement)	
Data output	built-in printer	
Max. workpiece height	160mm	
Max. testing width	160mm (from the center of indenter to the wall of main body)	
X-Y stage	dimensions: 150×150mm, travel range: 50×50mm, graduation: 1μm, displacement repetition accuracy: less than 3μm	
Pixel	5M	
Measurement and control software	Stage movement control	Select points for indenter to press then read 1. Select any point 2. Rotate and select a point 3. Select points along X-axis 4. Select points along Y-axis 5. Select points along Z 6. Select points at any internal 7. Program selection of points
	Measurement	Automatic mode: automatic turret , automatic loading, automatic measurement control Can also select manual mode
Power supply	220V, 50/60Hz**	
Dimension	620×250×710mm	
Weight	50kg	

**Add "-U" on code No. when power supply is 110V, 50/60Hz

STANDARD DELIVERY

Main unit	1 pc
10X, 40X objective	1 pc of each
Micro Vickers indenter	1 pc
Hardness test block 400~500HV0.2	1 pc
Hardness test block 700~750HV1	1 pc
Level	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc
Control box	1 pc
Software and USB dongle	1 pc of each
Computer	1 pc
Slice holder	1 pc
Vice	1 pc
Cylinder holder	1 pc

OPTIONAL ACCESSORY

Hardness test block 400~500HV0.2	HDT-B-HV02C
Hardness test block 700~750HV1	HDT-B-HV1F
OFFICE software	7313-OFFICE
Knoop indenter	HDT-VS1D-KNOOP