DIGITAL VICKERS HARDNESS TESTERS (STANDARD TYPE)
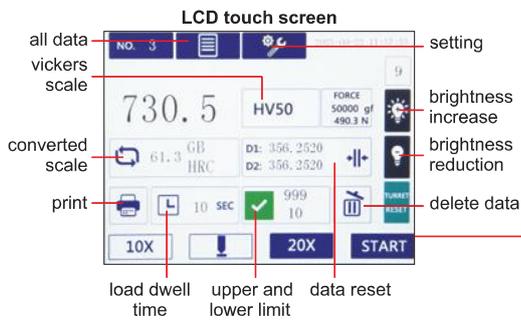
MOTOR DRIVEN TURRET

PRESS INPUT BUTTON TO HAVE DIRECT READING OF HARDNESS

TOUCH SCREEN

INSPECTION CERTIFICATE

VIDEO

camera adapter

electronic measuring eyepiece

LED lamp

input button (to have direct reading of hardness)

built-in printer

stage

test force switch handwheel

emergency stop

HDT-VH51-U

LCD touch screen

all data

vickers scale

converted scale

print

setting

brightness increase

brightness reduction

delete data

load dwell time

upper and lower limit

data reset

- Touch screen color LCD display
- Data storage and average value calculation
- Automatical switch between the indenter and objective lens
- According to ISO 6507

2.28" DIA flat anvil (included)

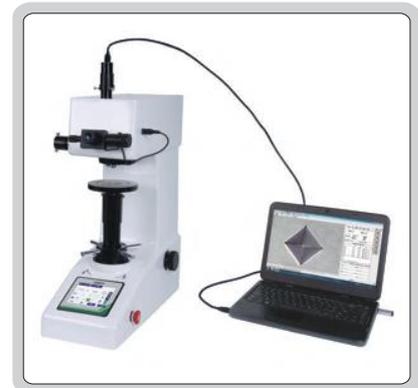5.91" DIA flat anvil (included)

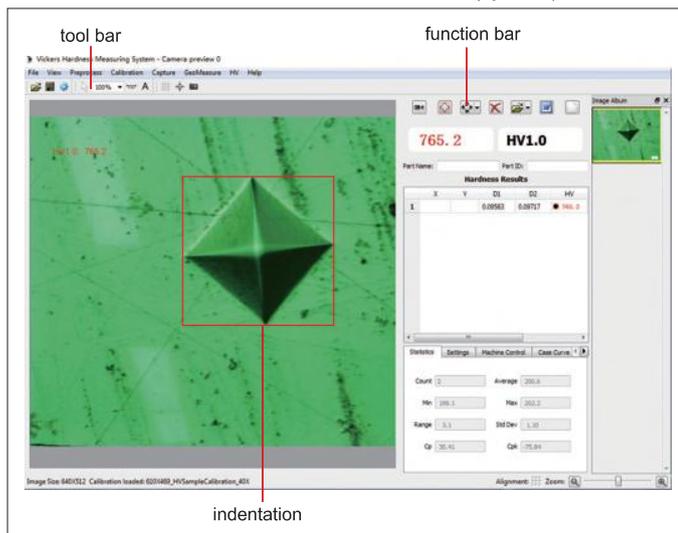V-type anvil (included)

XY platform (**optional**)

desk (**optional**)

camera and measuring software (**optional**)

vickers hardness measurement software (**optional**)

tool bar · function bar · indentation

SPECIFICATION

Part No.	HDT-VH05-U	HDT-VH11-U	HDT-VH31-U	HDT-VH51-U
Test force	0.3kgf, 0.5kgf, 1kgf, 2kgf, 3kgf, 5kgf	0.3kgf, 0.5kgf, 1kgf, 3kgf, 5kgf, 10kgf	1kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf	1kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf
Vickers scales	HV0.3, HV0.5, HV1, HV2, HV3, HV5	HV0.3, HV0.5, HV1, HV3, HV5, HV10	HV1, HV3, HV5, HV10, HV20, Hv30	HV1, HV5, HV10, HV20, HV30, Hv50
Converted scales	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T			
Range	8~3000HV			
Length measurement resolution	2.36µin/0.06µm			
Objective/indenter switch	motor driven turret			
Stage lifting	manual			
Load control	automatic (load/dwell/unload)			
Load dwell time	1~60 second			
Objective	10X, 20X			
Eyepiece	10X			
Total magnification	100X (for measurement or observation), 200X (for measurement)			
Max. workpiece height	6.89"			
Max. testing width	5.31" (form the center of indenter to the wall of main body)			
Output	built-in printer			
Power supply	110V, 50/60HZ			
Dimension	22.83×12.60×25.98"			
Weight	121lb			

STANDARD DELIVERY

Main unit	1 pc
10X, 20X objective	1 pc of each
Vickers indenter	1 pc
Hardness test block	2 pcs
2.28" DIA flat anvil	1 pc
5.91" DIA flat anvil	1 pc
V-type anvil	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block	page 1010~1012
Desk	HDT-DESK
Measuring software (manual, for 5kg and 10kg)*	HDT-CM1-SW
Measuring software (automatic, for 5kg and 10kg*	HDT-CM1-AW
Measuring software (manual, for 30kg and 50kg)*	HDT-CM2-SW
Measuring software (automatic, for 30kg and 50kg)*	HDT-CM2-AW
XY working platform	HDT-VEH-ST

*Measuring system includes camera and measuring software