

# AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS (ADVANCED TYPE) PART NO. HDT-CRS200-U



TOUCH SCREEN

HIGH ACCURACY

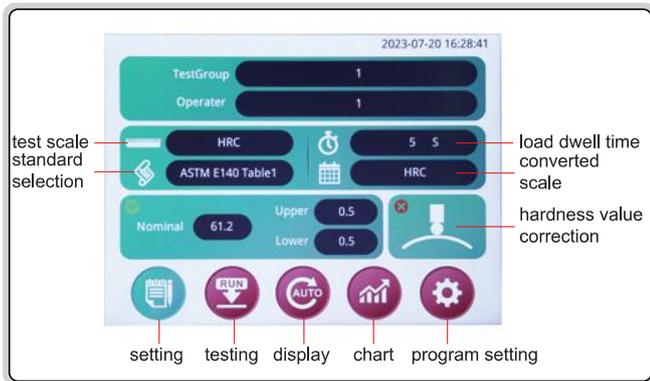
HIGH EFFICIENCY

BUILT-IN  
BLUETOOTH

AUTOMATIC  
OPERATION

FORCE LOADING BY ELECTRIC  
MOTOR (WITHOUT WEIGHTS)

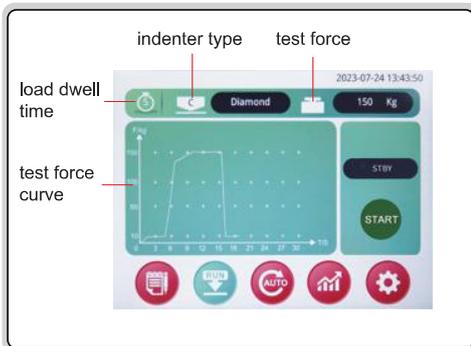
- One click operation can obtain measurement results, enabling large-scale hardness measurement of workpieces
- CNC system, close-loop electronic control system applies test force
- Touch screen operation and display
- Cantilevered structure, achieving full automation of hardness measurement
- The big flat stage is convenient for testing and can work in conjunction with robotic arms and automation equipment to step up online hardness testing and achieve completely unmanned testing
- Bluetooth, RS232 data transmission to computer, data management using hardness management software
- According to ISO 6508, ASTM E18, JIS Z2245



test interface



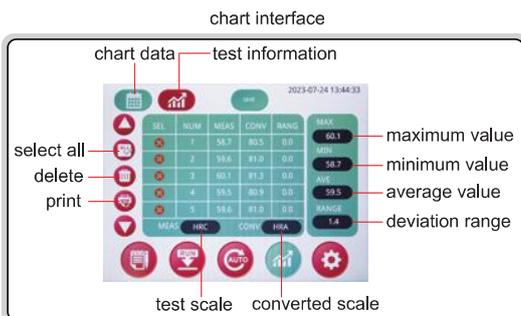
test result display interface



2.28" DIA flat anvil (included)



V-type anvil (included)



bluetooth printer (included)

## SPECIFICATION

<b>Measurement range</b>		Rockwell: 20~88HRA, 20~100HRB, 20~70HRC Superficial Rockwell: 70~91HR15N, 42~80HR30N, 42~70HR45N, 73~93HR15T, 43~82HR30T, 12~72HR45T
<b>Hardness scale</b>	<b>with indenter included</b>	HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	<b>with optional indenter</b>	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
<b>Preliminary test force</b>		Superficial Rockwell: 29.4N (3kgf) Rockwell: 98N (10kgf)
<b>Test force</b>		Superficial Rockwell: 147N (15kg), 294N (30kg), 441N (45kg) Rockwell: 588N (60kg), 980N (100kg), 1471N (150kg)
<b>Test force accuracy</b>		±1%
<b>Operational mode</b>		automatic
<b>Load control</b>		automatic (load/dwell/unload)
<b>Resolution</b>		0.05 HR
<b>Load dwell time</b>		0~99 second
<b>Max. workpiece height</b>		11.81"
<b>Max. testing width</b>		7.87" (from the center of indenter to the wall of main body)
<b>Output</b>		bluetooth printer, RS232
<b>Power supply</b>		110V, 50/60HZ
<b>Dimension</b>		21.85×15.75×49.21"
<b>Weight</b>		287lb

## STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>Diamond indenter</b>	1 pc
<b>1/16" DIA carbide ball indenter</b>	1 pc
<b>2.28" DIA flat anvil</b>	1 pc
<b>V-type anvil</b>	1 pc
<b>Hardness test block HRC20~30</b>	1 pc
<b>Hardness test block HRC60~70</b>	1 pc
<b>Hardness test block HRBW80~100</b>	1 pc
<b>Hardness test block HR30N60~85</b>	1 pc
<b>Hardness test block HR30TW70~85</b>	1 pc
<b>Bluetooth printer</b>	1 pc
<b>Hardness analysis software</b>	1 pc

## OPTIONAL ACCESSORY

<b>Hardness test block HRC20~30</b>	<b>HDT-B-HRC1</b>
<b>Hardness test block HRC60~70</b>	<b>HDT-B-HRC3</b>
<b>Hardness test block HRB80~100</b>	<b>HDT-B-HRB</b>
<b>Hardness test block HR15N78~88</b>	<b>HDT-B-HR15N2</b>
<b>Hardness test block HR30N55~73</b>	<b>HDT-B-HR30N2</b>
<b>Hardness test block HR30T73~82</b>	<b>HDT-B-HR30T</b>
<b>Desk</b>	<b>HDT-DESK1</b>