

TEST FORCE LOADING BY ELECTRIC
MOTOR(WITHOUT WEIGHT)



AUTOMATIC DIGITAL BRINELL HARDNESS TESTER

CODE HDT-XB500

AUTOMATIC TEST



Press the "test" button on the screen to start testing. The stage ascends automatically until the workpiece touches the indenter. Automatically load, dwell and unload. The turret rotates and the objective focuses automatically. Measure the indentation by measuring microscope or automatic measuring system.

- Automatic testing
- LCD touch screen, easy operation
- Measure indentation by measuring microscope or automatic measuring system
- Tolerance testing
- Insert USB flash disk, save the test results as Excel
- Force loading by electric motor, without weights
- According to ISO 6506



SPECIFICATION

Turret rotation		automatic
Stage elevation		automatic
Range		8~650HBW
Test force		62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf
Measuring Accuracy	HBW ≤ 125	±3%
	125 < HBW ≤ 225	±2.5%
	HBW > 225	±2%
Hardness measuring resolution		0.1HBW
Measuring microscope	eyepiece	20X
	resolution	0.1µm
Load control		automatic (load/dwell/unload)
Load dwell time		0~99 second
Max. workpiece height		400mm
Max. testing width		250mm(from the center of indenter to the wall of main body)
Power supply		220V, 50/60Hz
Dimension		700×340×970mm
Weight		160kg

STANDARD DELIVERY

Main unit	1 pc
Measuring microscope	1 pc
Automatic measuring system	1 pc
Ø80mm flat anvil	1 pc
Ø200mm flat anvil	1 pc
V-type anvil	1 pc
Ø2.5mm carbide ball indenter	1 pc
Ø5mm carbide ball indenter	1 pc
Ø10mm carbide ball indenter	1 pc
Hardness test block 150~250HBW2.5/187.5	1 pc
Hardness test block 75~125HBW10/1000	1 pc
Hardness test block 175~250HBW10/3000	1 pc
USB flash disk (8G)	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

10X eyepiece	HDT-XB500-EP10X
15X eyepiece	HDT-XB500-EP15X
Hardness test block	page 1037~1039
Desk	HDT-DESK