



Brinell Hardness Tester is a lab instrument to measure the hardness value of all kinds of metals according to Brinell hardness principle ASTM E10 and ISO 6506. They are widely used in metallurgy, forging, casting, hardness steel and nonferrous metals industries, as well as in the laboratories, universities, college and scientific research institutes.

- ※ Test force loading and unload motorized without heavy weight
- ※ Adopts electronic auto loading Use 0.5% accuracy load sensor to feedback
- ※ Microchip control system, automatically compensate the test force lost during testing
- ※ Test force and load dwell time can be set on the touch-keyboard, reliable repetition, precise reading, and easy operation.



HBE-3000

HBS-3000

HBE-3000 Reading value by magnifier and value table as standard accessories.

HBS-3000 is a digital control and reading Brinell hardness tester. ally. the indentation impression can be directly measured on the instrument through microscope, and LCD screen indicates the diameter, the hardness value and 17 different hardness Scales for example HR, HV tables as well as the HBW range under the present presetting.

## Specifications

MODEL	HBS-3000	HBE-3000
Test force	612.9N(62.5kgf), 980N(100kgf), 1226N(125kgf), 1839N(187.5kgf), 2452N(250kgf), 4900N(500kgf), 7355N(750kgf), 9800N(1000kgf), 14700N(1500kgf), 29400N(3000kgf)	
Hardness measuring range	8-650 HBW (Hard metals steel ball)	
Hardness value Max. tolerance	±3%(HBW≤125)	±2.5%(125<HBW≤225) ±2%(HBW>225)
Magnification of microscope	20X	
Min.division of microscope's drum wheel	0.00125mm	0.005mm
Max. height of specimens	220mm	
Max. width of specimens	135mm	
Power supply	1P~AC220V, 50/60Hz	
Package dimensions (D×W×H)	893×720×470mm	
Gross weight	160kg	
Net weight	130kg	
Standard accessories	Hard alloyed steel ball indenter:Ø2.5, Ø5, Ø10mm Testing tables: big, small and "V" Standard hardness block: HBW 3000/10 150~250(1) HBW 750/5,150~250(1) Reading microscope:20X	

# LCD Measuring Digital System

It is new type hardness tester which is equipped a Video Measuring camera and LCD monitor in the instrument of Digital Brinell, or Micro Vickers Hardness Tester.

Video Measuring Device is composed of CCD measuring camera, 6.8 inch colored LCD and other relative parts. By adding this Video Measuring Device, the indentation originally show on objective of hardness tester is now display on the LCD directly.

The working procedure is more visual and measuring is more accurate. Avoid seeing weariness and man-made error, and increase working efficiency. Many people can observe the working process at the same time. So the tester is warmly welcomed by many operators



HV-CCD

HV-LCD

# CCD Automatically Image Measuring System

It combines computer automatic measuring system with hardness tester. By means of CCD Camera Interface connect Digital Brinell or micro Vickers hardness tester with computer. Whole testing operation can be processed by operating keyboard and mouse, therefore the operation is easy and measuring precision is high. Maximum decrease man-made error and avoid seeing weariness of the operator. It is an advance hardness tester which can meet the needs of various Digital Brinell or micro Vickers hardness testing.

# Hardness Tester Accessories



Large Test Table



“V” Test Tabel



Flat Test Table



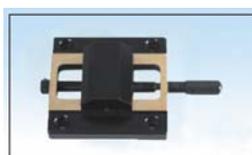
Fine wire test table



XY-stage test table



Diamond Indenter



Fork-shaped test table



Thin specimen test table



Ball Indenter

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