Touch Screen! Digital Brinell Hardness Tester

Auto Z-Axis!
Auto Load/Unload!
Touch Screen Monitor! • Instant Brinell Readings!
No Manual Scope Needed! • No Conversion Charts Needed!

3-Indentors
2.5mm, 5mm, 10mm
2-Objectives
20x, 40x
Covers all loads from 62.5kgf up to 3000kgf

Technical Data:

–Test force is selectable	
	612.9N(62.5kgf) 4903N(500kgf)
	980.7N(100kgf) 7355N(750kgf)
	1226N(125kgf) 9807N(1000kgf)
	1839N(187.5kgf) 14710N(1500kgf)
	2452N(250kgf) 29420N(3000kgf)
Test Range	3.18～653HBW
Loading Method	Automatic (Loading/Dwell/Unloading)
Hardness Reading	Indentation Displaying and Automatic Measuring on Touch Screen
Computer	
	–CPU: Intel I3
	–Memory: 2G
	–SSD: 32G
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBS, HBW
Data Output	USB Port, VGA Interface, Network Interface
Turret Control	Automatic Recognition and Shifting (Three Indenters, Two Objectives)
Objective	1×, 2×
Total Magnification	20×, 40×
Resolution	1.25μm – 0.625μm
Dwell Time	0～95s
Max. Height of Specimen	260mm
Throat	150mm
Power Supply	AC220V, 50Hz
Standard	ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
Dimension	600×330×890mm, Packing Dimension: 820×460×1170mm
Weight	Net Weight: 150kg, Gross Weight: 180kg

Features:

- Load Cell driven system provides precise control of test force application
- Direct Touch Screen Controls
- 3 Indentors and 2 Objectives covering all common Brinell scales
- Engineered to obtain highly sensitive and accurate readings
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.
- Measuring Range: 8-650HBW

900-357 *Special Order Only*

Innovative closed-loop technology. The brinell hardness tester incorporates the latest load cell technology. The test load is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit. The result is highly accurate Brinell hardness tester measurements at all test loads up to 0.5%. The common load overshoot or undershoot as known from traditional dead weight, or open-loop, systems is eliminated. The absence of mechanical weights not only eliminates friction problems but also makes the equipment less sensitive to misalignments caused by vibrations.

The 900-357 brinell hardness tester combines a touch screen computer and brinell hardness tester in one complete Brinell hardness testing package. All the required parameters can be selected on the panel computer. It's clear display and touch screen make it easy to use and eliminates user error. The clear video screen using it's CCD interface will directly display the dynamic indentation image, lock the image and automatically measure the Brinell hardness. The operator can choose the selectable conversion values among the hardness scales, save the results of each measurement and generate the image report. The load of test forces is accomplished using state of the art load cell system combined with precision mechanical drive.