



## TOUCH SCREEN DIGITAL BRINELL HARDNESS TESTER RoboBrinell-3000D-TS

### STANDARD

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**ISO 6506, ASTM E10, GB/T 231.2**

Multi-function touch screen Brinell hardness tester adopts imported components ensure equipment running more stable and test result is more accurate; powerful data measurement control system accompanying with 5.6 inch LCD screen function is more comprehensive, this machine is simple and easy to operation, the appearance is high end, is the ideal choice for high requirement client. Brinell hardness with huge test force, the indentation is large, which adapts to test the big size grain metal, reflecting the combination property. Cast iron, steel, ferrous metal especially for rather soft metal, such as pure aluminum, lead, tin etc.



Digital Brinell Hardness Tester					
Measurement					
D1:		mm	F: 0.000		
D2:		mm	ZERO please!		
<b>0.000 HBW</b>					
NULL HRC		No. 0		2015/04/20 17:19	
Force	Inden	DWell	Light	Thick	Temp
3000.	10. mm	10s	100%	0.000	20.4



## FEATURE

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- Equipped with Japan Omron encoder digital display micrometer eyepiece and precise data calculating system, only gently touch can directly show the hardness value.
- Equipped with sophisticated sensors and a microcomputer control system, dynamic force value fluctuation is less than 1/1000, test results are more accurate.
- The main components adopt brand such as American 3M, Allegro, Japan Omron and NKK, to ensure the equipment running stably for a long time.
- Equipped with high performance of servo motor which automatically load/unloading, it cause the less noise when do test.
- Designed by our institution engineer that make the optical system imaging more clearer, brightness is adjustable, comfortable vision, it's not easy to fatigue for long time operation.
- Input the indentation diameter, hardness value is displayed directly, and can display conversion hardness value at the same time, avoid the inconvenience of looking up table.
- The industry LCD screen can be visual display hardness value, hardness unit, conversion hardness, testing force, indenter type, the required minimum thickness, load time, measurement times, and the test process is intuitive and clear, built-in printer can print out measured times, hardness value, average, maximum and minimum values, range for the customer to archive.
- Accompanying equipped with data transmission software, through RS232 interface will transfer host measurement data to the computer to edit and save.
- The shell is one step casting molding with special foundry process, stable structure and no deformation, can work under relatively harsh environment; pure white car painting and its class is high, have scratch resistance ability, its still brightness used for years.



## TECHNICAL SPECIFICATION

Parameter	Specification
Brinell scale	HBW2.5/62.5,HBW2.5/187.5,HBW5/125,HBW5/750,HBW10/100,HBW10/250,HBW10/500,HBW10/1000,HBW10/1500,HBW10/3000
Test force	62.5kgf(612.9N),100kgf (980.7N),125kgf (1226N),187.5kgf (1839N),250kgf (2452N),500kgf (4903N),750kgf (7355N),1000kgf (8907N),1500kgf (14710N),3000kgf (29420N)
LCD Screen size	118x99mm
Minimum measuring unit	0.00125mm
Hardness data read	Touch Screen
Hardness range	8-650HBW
Total amplification times	20X
Load method	Automatic(load, dwell, unload)
Dwell time	1~99S each step is 1 second
Specimen maximum height allowed	220mm
Throat depth	120mm
Instrument size and weight	530×187×758mm (L×W×H) 135kg
Package size and weight	625x430x950mm(L×W×H) 149kg
Power supply	AC110V or AC220V + 5%, 50~60 Hz
Standard accessories	<p><b>1 piece:</b></p> <p>Hardness tester; 20X Omron digital measuring eyepiece ;            ;<math>\Phi</math>2.5,<math>\Phi</math>5m,<math>\Phi</math>10mm harden alloy indenter ; big, medium and “V” test table ; hand wrench; safety fuse; power cable ; accessory box; dust-proof cover ; manual instruction, certificate of quality ; warranty card; hardness conversion table.</p> <p><b>2 piece:</b></p> <p>Standard hardness block</p>