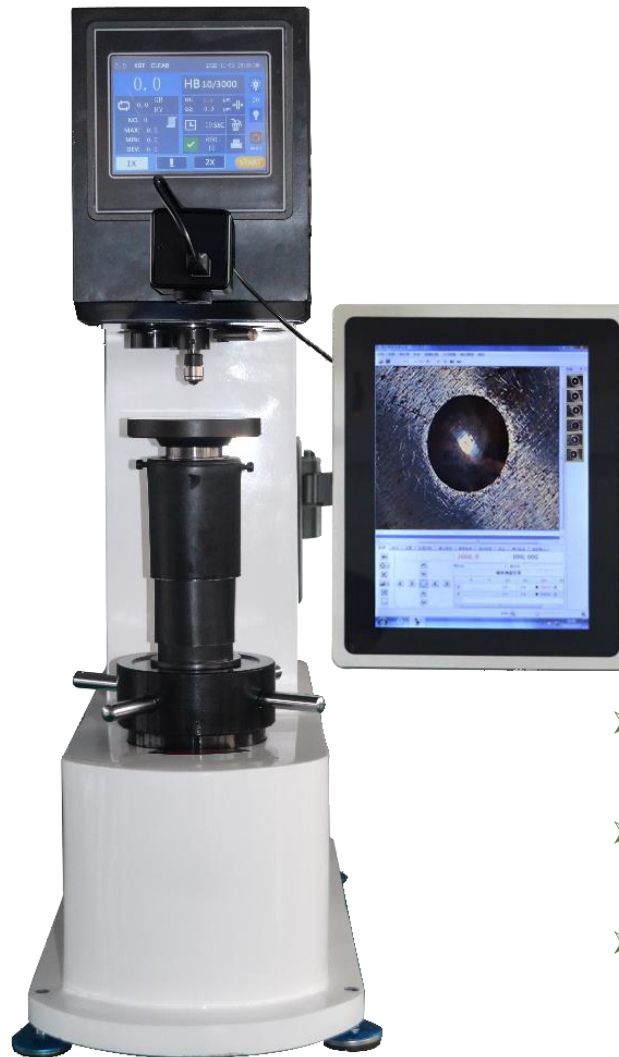




BANBROS ENGINEERING PVT. LTD.

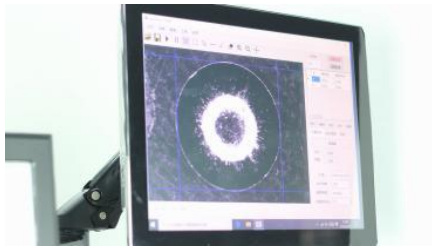
The Precision Measurement People

ADVANCED BRINELL HARDNESS TESTER WITH TOUCH SCREEN INDUSTRIAL COMPUTER



- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

BBAH-3000SM



Computer & automatic software



Digital eyepiece with encoder



Built-in printer

FEATURES:

1. Integrated hardness tester, image process system, hardness measurement software system and industrial touch screen computer system in one, more scientific and concise structure, and more easier operation.
2. Software can do automatic measuring and manual measuring, generate test report in word / Excel format, including hardness value, conversion value, indentation image, hardness curve, Max-Min data and average data, etc. Large test force range: 62.5Kgf to 3000Kgf.
3. With 10 kinds of measurement scale.
4. Closed-loop control, with high accuracy load cell, no need installs weights, easy installation and calibration.
5. One-time casting machine body with car painting design, structure more stable and looking more beautiful
6. Large test space: 135mm Depth and 200mm height.
7. Double touch screen design, software and machine can work independently. From front touch screen can set test force, dwell time, etc, measure by digital eyepiece hardness value will display on front touch screen; From side touch screen computer also can do indentation automatic measurement and test report generation.
8. Modular design, easy maintenance.
9. Low noise test process, suitable work at in research labs, school, Industrial plant, etc.

APPLICATION RANGE:

Suitable for cast iron, steel products, nonferrous metals and soft alloys etc. Also suitable for some nonmetal materials such as rigid plastics and Bakelite etc.

**TECHNICAL SPECIFICATIONS:**

Model No.	BBAH-3000SM
Turret	Manual turret
Brinell Scale	HBW2.5/62.5 HBW10/100 HBW2.5/187.5 HBW5/125 HBW10/250 HBW10/500 HBW5/750 HBW10/1000 HBW10/1500 HBW10/3000
Load Kgf(N)	62.5kgf(612.9N), 100kgf(980.7N), 125kgf(1226N), 187.5kgf(1839N), 250kgf(2452N), 500kgf(4903N), 750kgf(7355N), 1000kgf(8907N), 1500kgf(14710N), 3000kgf(29420N)
Software	1) Support Windows 10 system, can automatic measuring and manual measuring, generate test report in word / Excel format; 2) Calibration by hardness block or optical ruler; 3) Change camera settings such as exposure time and global gain to adjust image light intensity
Camera	5 megapixel camera
Microscope magnification	20X
Min measuring unit	0.625µm
Dwell time	1-60s
Hardness range	8-650HBW
Data output	Touch screen display
Executive Standard	ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
Test space	200*135mm (H*D)
Power supply	AC220±5%,50~60Hz
Overall Dimension	550*210*750mm
Net weight	About 130kg

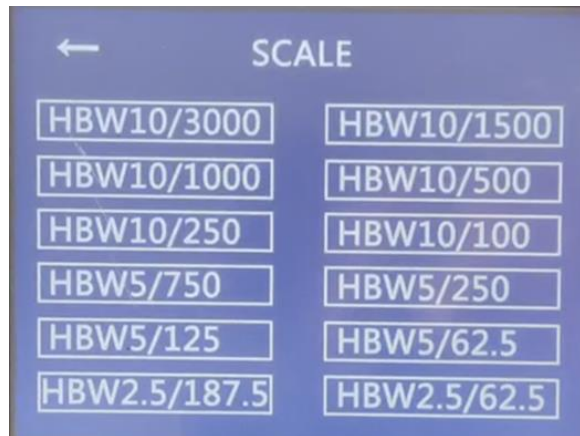


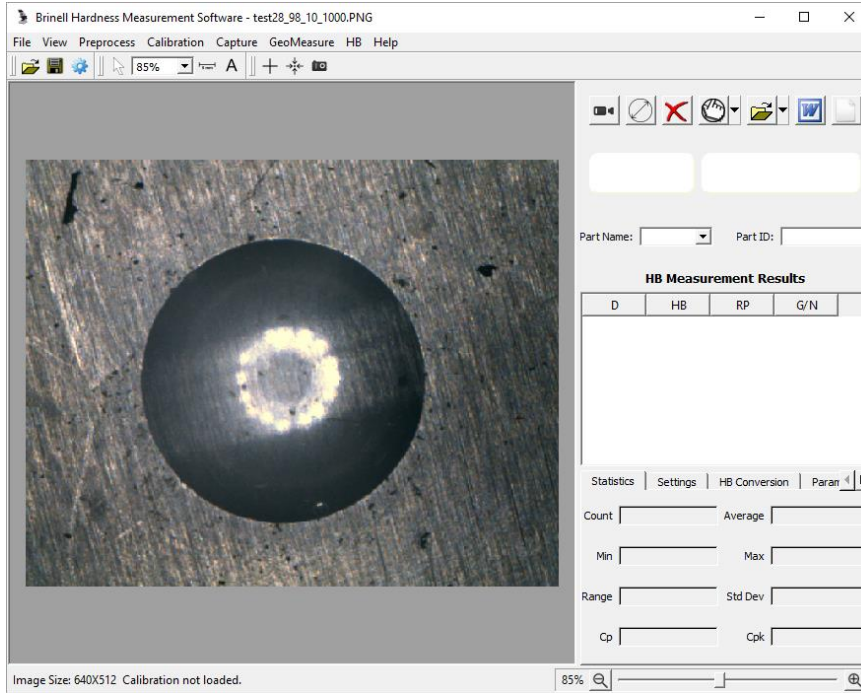
STANDARD ACCESSORIES: -

Item Name	Q'ty	Item Name	Q'ty
Measuring microscope 20X	1	Diameter 2.5mm Hard alloy indenter	1
Accessories box	1	Diameter 5mm Hard alloy indenter	1
Anti-dust cover	1	Diameter 10mm Hard alloy indenter	1
V-type working table	1	Medium working table	1
Hardness block	3	Large working table	1
Camera	1	Touch screen Industrial computer	1
Software key	1	Automatic Brinell Measuring Software	1
Manual book	1	Quality certificate	1

Front Touch Screen Interface:

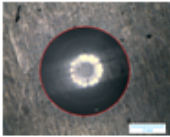
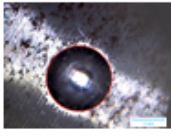
Side Touch Screen computer software Interface:





Test Report:-

Brinell Hardness (HB) Test Results

Submitter		Date Submitted					
Part Name		Part ID					
# of Samples		Sample Description					
Qual. UL	280	Qual. LL	120				
Machine ID		Meas. Standard					
Indenter Diam. (mm)	10	Force (Kg)	3000.0				
Test Results							
#	D	HB	Converted HRC	#	D	HB	Converted HRC
1	3.6082	111.0					
2	4.0952	217.8					
Indentation Images							
1. 				2. 			
Statistics							
Maximum	217.8		Minimum	111.0			
Average	164.4		Std. Dev.	37.76			
Cp	0.71		Cpk	0.39			
Operator	Test Date	Auditor	Audit date				
	2016.4.4						