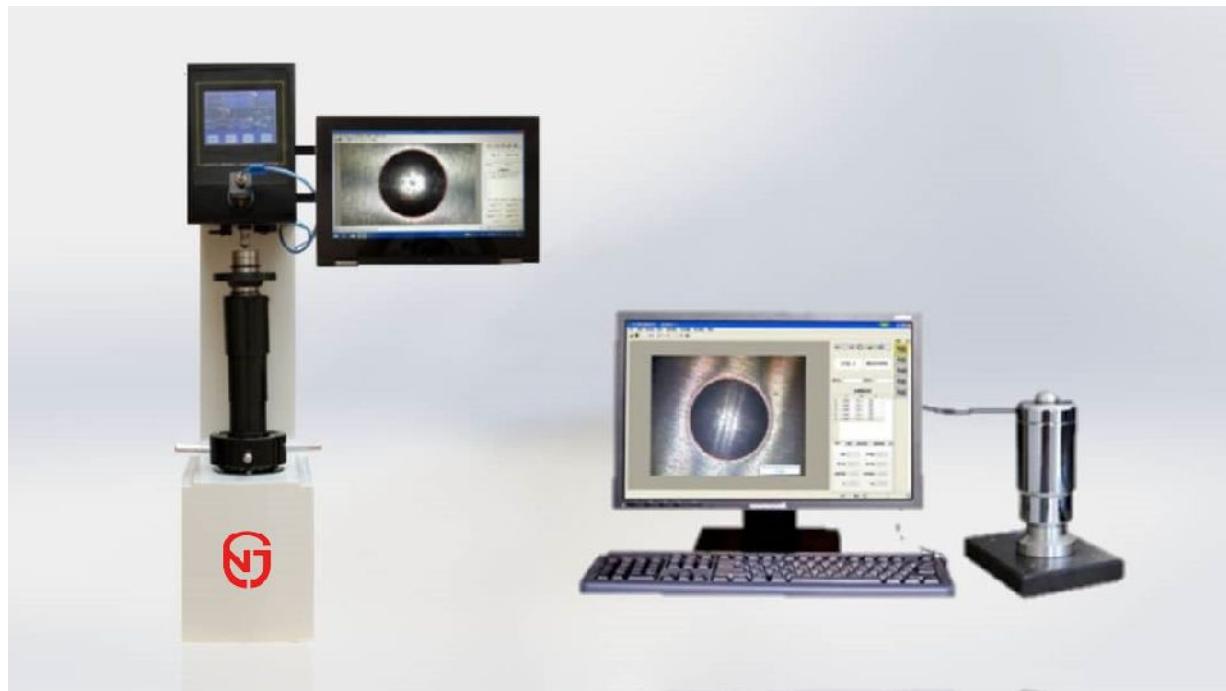


Weight Load Digital Display  
Brinell Hardness Tester  
With Measuring System  
Model: JG-113BW



(Integrated type)

(Separate type)

(For reference only)

Equipment Usage

It's suitable to determine the Brinell hardness of unquenched steel, cast iron, non-ferrous metals and soft bearing alloys, etc.

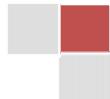


## Features

- Digital display of Hardness value;
- Hardness conversion between different hardness scales;
- Manual turret, Weight Loads
- Automatic test process, no human operating error;
- Large LCD display of testing process, easy operation;
- Precision conforms to GB/T 231.2, ISO 6506-2 and ASTM E10;

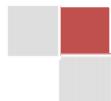
## Technical Specifications

Model	JG-113BW
Measuring range	8-650HBW
Test force	1838.8, 2451.8, 7355.3, 9807, 29421N (187.5, 250, 750, 1000, 3000Kgf)
Diameter of tungsten carbide ball	2.5, 5, 10mm
Max. height of test piece	280mm
Depth of throat	150mm
Hardness reading	LCD digital display
Min. value of drum wheel	1.25µm
Dwell time of test force	0 ~ 60S
Data output	In-built printer, RS232 / Can connect computer to print
Words processing	Excel or Word sheet
Power supply	220V AC, 50
Dimension	700 x 268 x 842 (mm)
Weight (approx...)	150Kg



## Main Accessories

Description of Goods	Quantity
Main unit	1 Unit
110mm Large flat anvil	1 Pc
60mm Small flat anvil	1 Pc
60mm V-notch anvil	1 Pc
Tungsten carbide ball penetrator	2.5, 5, 10mm (1 Pc each)
Anti-dust cover	1 Pc
20x Micrometer eyepiece	1 Pc
Brinell standardized block	2 Pcs
Power cable	1 Pc
Spanner	1 Pc
User manual	1 Set
Computer, CCD adapter and software	1 Set



## Brinell Hardness Indentation Automatic Measurement System



(Can be mounted to hardness tester or work as separate computer)

### Main Function

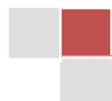
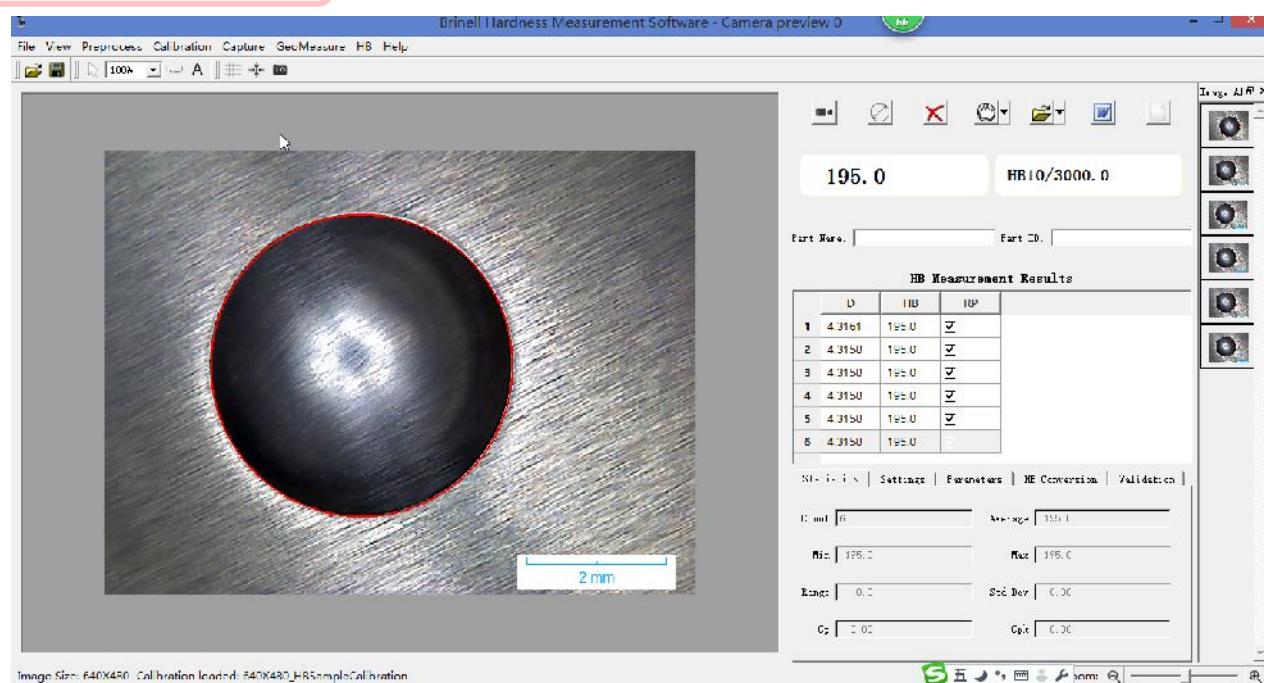
- Automatic measurement: Automatically capture the indentation and measure the diameter and calculate the corresponding value of Brinell hardness;
- Manual measurement: Manually measure the indentation, the system calculates the corresponding value of Brinell hardness.
- Hardness conversion: The system can convert the measured Brinell hardness value HB other hardness value such as HV, HR etc;
- Data statistics: The system can automatically calculate the average value, variance and other statistical value of the hardness;
- Standard exceeding alarm: Automatic mark the abnormal value, when the hardness exceeds the specified value, it automatically alarms;
- Test report: Automatically generate the report of WORD format, the report templates can be modified by the use.
- Data storage: Measurement data including the indentation image can be stored into file.
- Other function: Include all functions of image processing and measurement system, such as image capture, calibration, image processing, geometric measurement, annotation, photo album management and fixed times print etc.



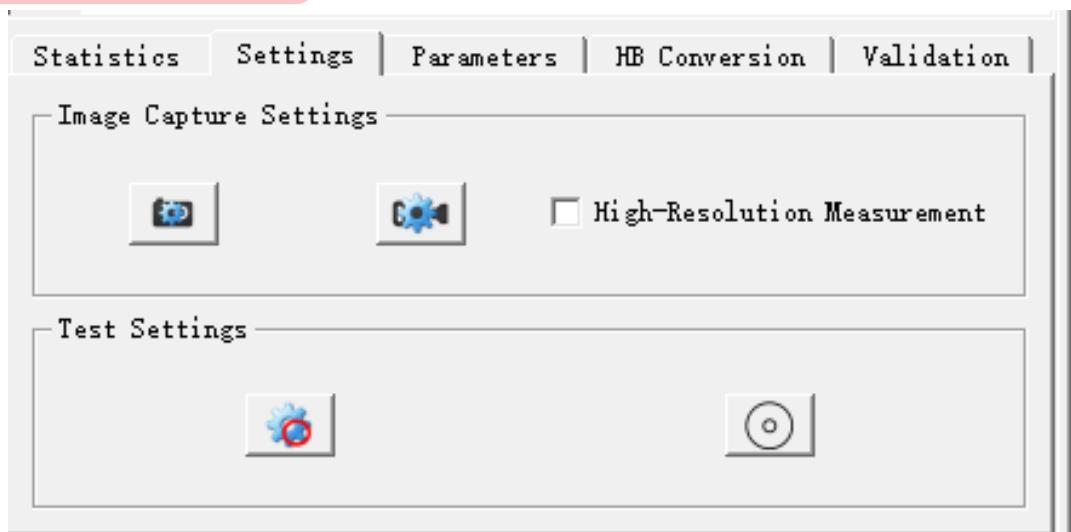
## Features

- Easy to use: Click on the interface button or press the camera button or press the run button to automatically complete all the work; if need manual measurement or modify the results, just drag the mouse;
- Strong noise resistance: The advanced and reliable image recognition technology can handle the indentation recognition on the surface of the complex sample, two kinds of automatic measurement mode to deal with the extreme situation;

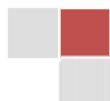
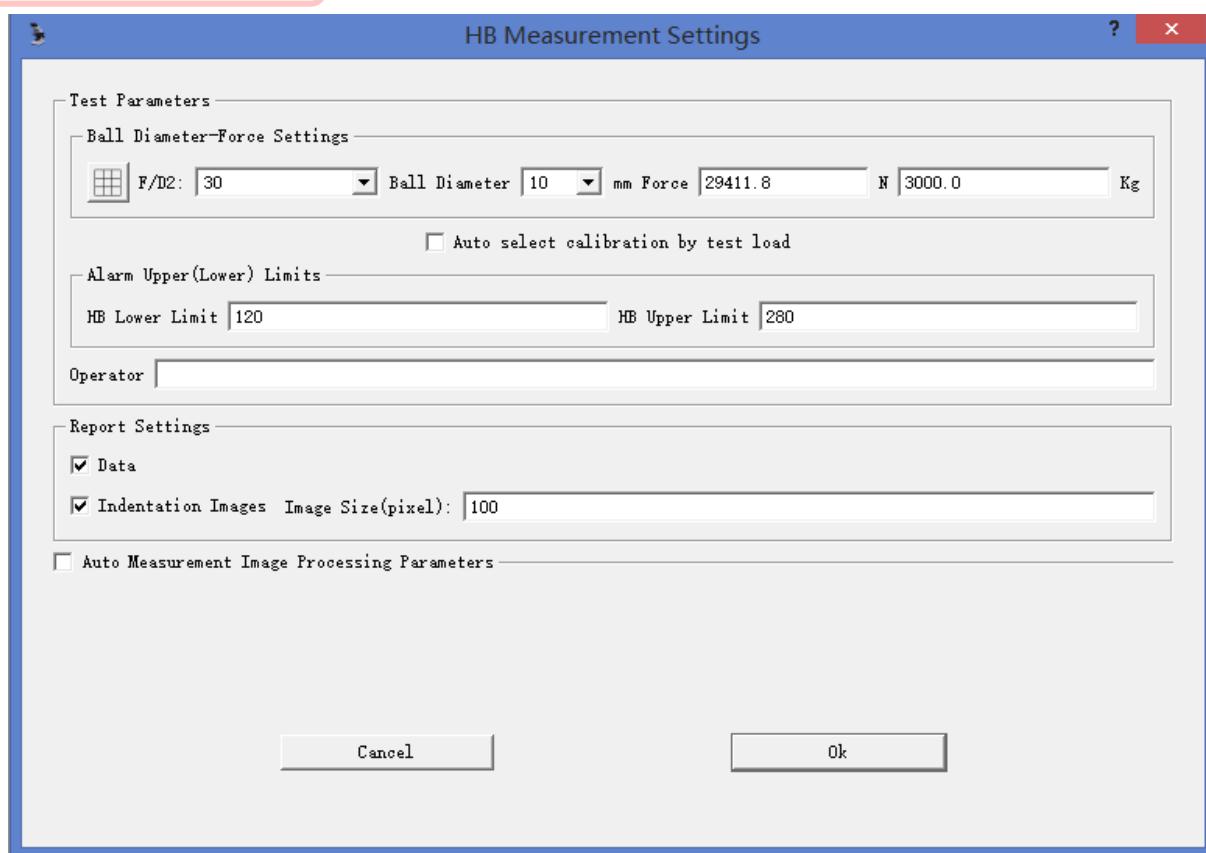
## Software Interface



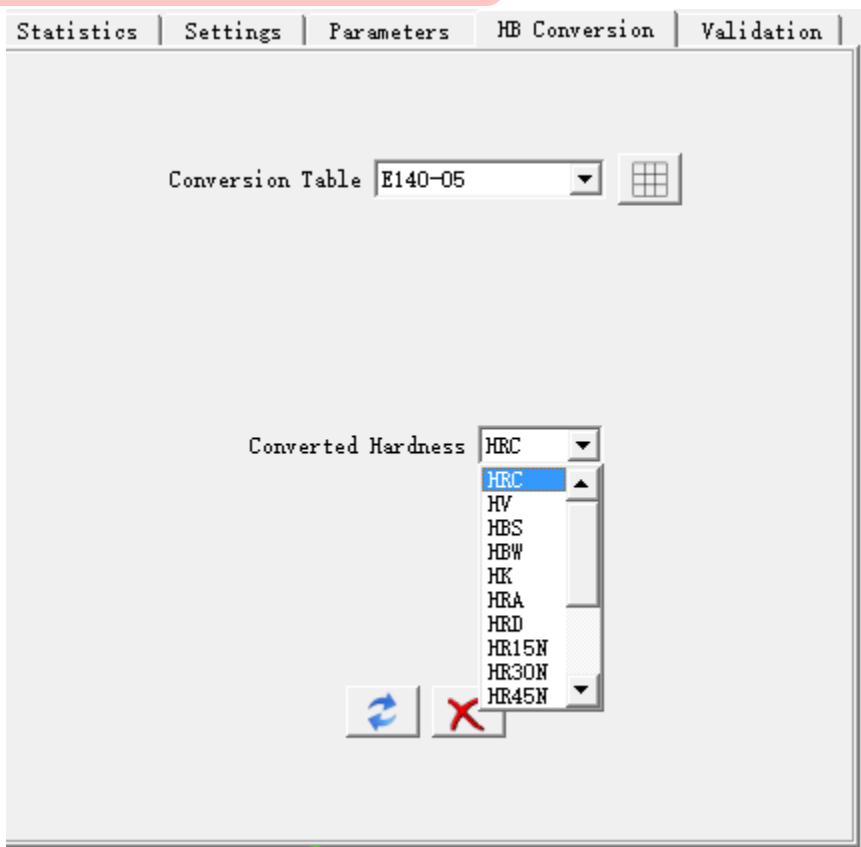
## Setting Interface



## Choose Test Force



## Conversion of hardness scale



## Results

