



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

LARGE TEST SPACE DIGITAL BRINELL HARDNESS TESTER WITH SOFTWARE

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



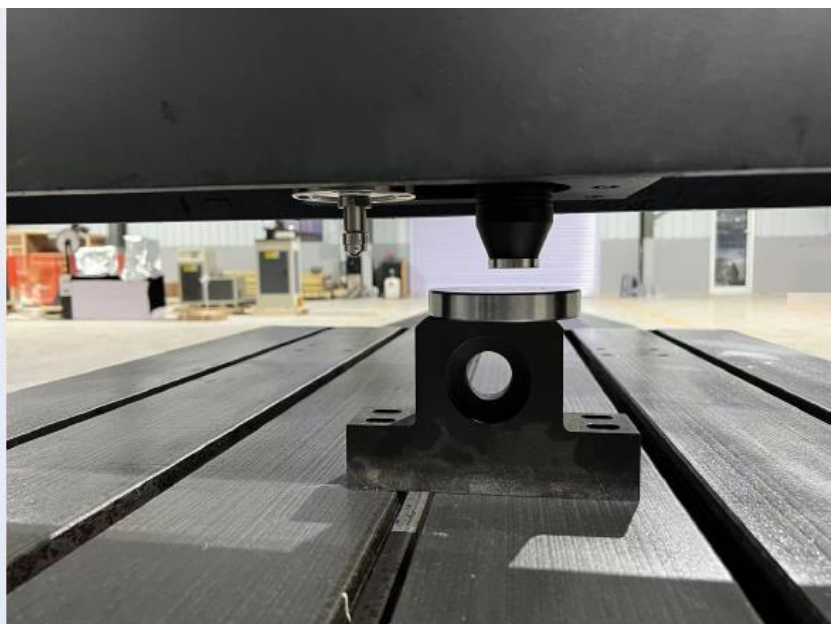
BFBS-3000

**APPLICATION:**

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.

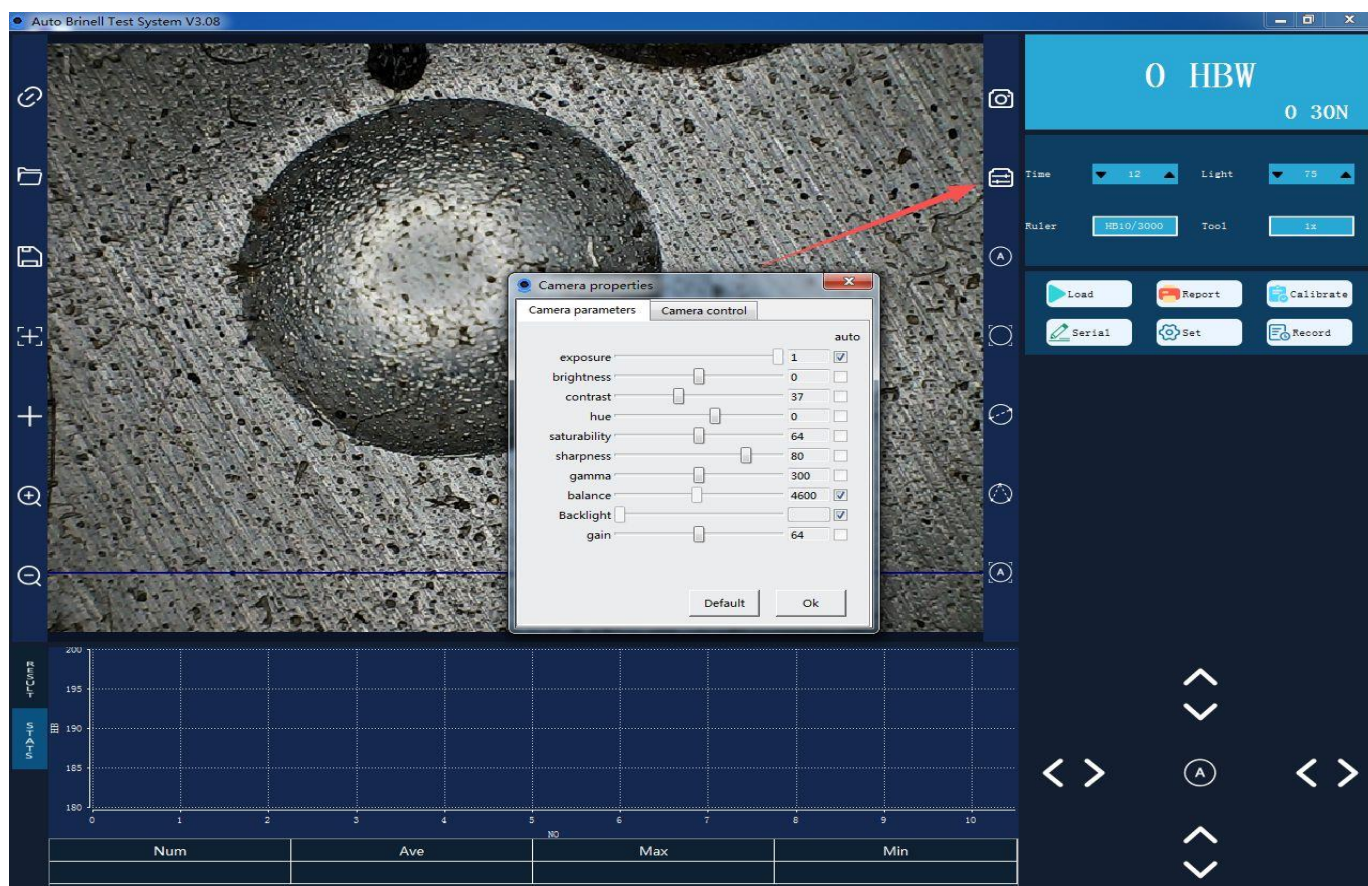
FEATURES:

- Large size movable working table 1500X1000mm can support over 3000kg weight work piece to do hardness testing, maximum moving distance 1000mm.
- More bigger test space to allow maximum 950mm height sample to do hardness testing.
- Close loop load cell design, the test process is automated, and there is no human operation error.
- The test mechanism adopts high-precision spoke-type pressure sensor; the loading device has built-in precision pressure sensor, the test force value is accurate, stable and reliable, and it has the function of automatic test force compensation.
- Contemporary advanced high-speed microprocessor is adopted, which has fast instant response and ensures that the test force accuracy is stable within $\pm 1\%$
- Testing force (load), duration time, moving speed and testing speed all can adjusted to meet different testing needs.
- The image processing system can capture the indentation, automatically display the Brinell Hardness value, save the test data and generate and print the hardness test report.
- With hardness conversion function, test data are automatically saved in the database.
- Adopted top quality stepper motor, high-precision ball screw and linear guide to ensure accurate positioning and easy maintenance.
- The fuselage and worktable adopt the precision casting process, the structure is firm, rigid, accurate, reliable and durable.



**TECHNICAL SPECIFICATION:**

Model No.	BFBS-3000
Test Force	Version A: 750kgf(7355N), 1000kgf(8907N), 3000kgf(29420N) Version B: 187.5kgf(1839N), 250kgf(2452N), 500kgf(4903N)
Brinell Scale	Version A: HBW5/750, HBW10/1000, HBW10/3000 Version B: HBW2.5/187.5, HBW10/250, HBW10/500
Microscope Magnification	20X
Resolution	0.625μm
Hardness Range	8-650HBW
Data Output	Touch screen display
Software	Automatically measuring the Brinell indentations and calculate to get hardness values. Generate test report including indentation image, hardness value, conversion value, etc.
Maximum Height of Sample	950mm
Horizontal Movement Distance	650mm
Work Table Size	1500X1000mm, maximum movement distance 1000mm
Two Vertical Frame Distance	1350mm
Power Supply	AC220,50Hz
Size / N.W	2000x1500 x 2000 mm; 3000kg
Executive Standard	ISO 6506-2, ASTM E10, JIS Z2243, GB/T 231.2



**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
Measuring Microscope 20X	1pc	Brinell Hardness Machine Frame	1pc
Hardness Block	2pcs	Diameter 5mm Hard Alloy Indenter	1pc
Software Key	1pc	Diameter 10mm Hard Alloy Indenter	1pc
Camera	1pc	Manual Book	1pc

* Due to continuous product development, Image & specification can be upgrade.