



**B.N.C.TOOLING Co.,Ltd.**

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## Hardness Testing Machines

### Fully Automatic Three Indenters Digital Brinell Hardness Teste ***AutoBrin AB-3000V***

Model	AutoBrin AB-3000V
Code#	831-160
Accuracy	$\leq \pm 3.5\%$
Standard	GB/T231.2, JJG150, EN-ISO 6506 ASTM E10-12 JIS Z2243
Certificate	CE



#### Product Feature

- This instrument has 10 level of test force, 13 Brinell hardness test scales, suitable for different kinds of metal materials;
- With three indenters and two objectives, no need to change the indenters when testing different samples; with rigorous optical structure and high magnification, it makes the indentation observed clearly;
- According to the selected scale, with automatic shifting the instrument will automatically select the corresponding indenter and objective for measurement;
- The automatic lifting test table adopts precise structure with high stability, it automatically rises when start measuring, and then back to the focusing position for measuring after loading the test force, which realizes the one key automation;
- It adopts the integrated design of hardness tester and panel computer; With Windows 7 operating system, it has all functions of computer;
- With CCD image measuring system, touch screen operating and displaying, it can preset the test force dwell time, adjust intensity of light source, show the indentation length, hardness value, test range and test number etc.;
- The software has the function of calibration, manual fine tuning and set up and down limit etc., which ensures the accuracy of measurement;
- Conversion scales of different kinds of hardness;
- Test result can be saved as WORD or EXCEL report and can be printed out;
- With USB port, VGA interface and network interface, it can connect to the internet and other devices for more optional functions.



## Hardness Testing Machines

### 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.

### Specification

Model		AutoBrin AB-3000V
Code#		831-160
Test Force	kgf	62.5kgf, 100kgf, 125kgf, 187.5kgf, 250kgf, 500kgf, 750kgf, 1000kgf, 1500kgf, 3000kgf
	N	612.9N, 980.7N, 1226N, 1839N, 2452N, 4903N, 7355N, 9807N, 14710N, 29420N
Test Range		3.18 ~ 653HBW
Loading Method		Automatic (Loading/Dwell/Unloading)
Hardness Reading		12 inch Touch Screen, Automatic Measuring
Micro Computer		CPU: Intel I5, Memory: 8G, SSD: 128G
CCD Pixel		3.00 Million
Conversion Scale		HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBS, HBW
Data Output		3×USB, 1×VGA, 1×LAN
Turret		Automatic Recognition and Shifting (Three Indenters, Two Objectives)
Objective		1×, 2×
Effective Field of View		1×: 6mm, 2×: 3mm
Min. Measuring Unit		1×: 4.6μm, 2×: 2.3μm
Dwell Time		0~95s
Max. Sample Height		260mm
Throat Depth		150mm
Power Supply		AC220V, 50Hz
Execute Standard		ISO 6506, ASTM E10, JIS Z2243, GB/T 231.2
Dimension		690×360×1000mm, Packing Dimension: 830×490×1300mm
Weight		Net Weight: 200kg, Gross Weight: 230kg