

Motorized Lifting System Fully Automatic Brinell Hardness Tester with Touch Screen**Model: HBST-3000Z****Brief Introduction:**

Fully automatic digital Brinell hardness tester adopts casting shell with strong rigidity and precise structure design, the load of test force is controlled by the sensor, which makes the whole structure compact and loading of test force stable and exact.

The test process is controlled by CPU, using automatic switching between the objective and the indenter. The location of switching adopts mechanical and electronic double matching, makes the location precision better.

With built-in computer, it makes the parameter setting and results display directly with easy operation, it also avoids the stimulation and visual fatigue of the light source of the eyepiece, and reduces the measuring error.

After select the scale, the instrument will automatically select the indenter and objective, the test table rises automatically and then back to the focusing position after loading the test force, it shows the clear image of the indentation and automatically measures, which realizes the fully automation of the Brinell test.

Features:

- 1, Integrated design with Built-in computer, support USB expand;
- 2, Motorized lifting system, auto positioning, auto measuring with high accuracy;
- 3, Directly display indentation, auto calculate hardness result;
- 4, Automatically generate report in Word format;
- 5, Motorized Turret between objectives and indenter;

Technical Specifications:

Model	HBST-3000Z
Scales	HBW2.5/62.5, HBW2.5/187.5, HBW5/125, HBW5/750, HBW10/100, HBW10/1500, HBW10/3000, HBW10/250, HBW10/500, HBW10/1000
Loading Force (Kgf)	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000
Hardness Range	3.18-653HBW
Hardness Conversion	Rockwell and Vickers scales (Meets standards ASTM, ISO, JJG)
Hardness Reading	Built-in Computer, Automatic measuring
Resolution	0.1HB
Calibration	Automatically/Manually
Force Calibration	Automatic compensation
Limitation Setting	Automatically judge whether in the setting ranges
Menu Language	Support English
Loading Control	Automatic Loading, Dwell, Unloading
Turret	Automatic Switch Among Objectives and Indenter
Dwell Time	5 ~ 60s
Optic System	LED Illumination
Objectives	1X, 2X
Total Magnifications	20X, 40X
Measuring Resolution	1.25um, 0.625um
Vertical Space	280mm
Horizontal Space	150mm
Data Output	Built-in Printer, COM, LAN
Weight	180Kg