

HST-HBT3000PCZ-A Z-axis Automatic Brinell hardness tester



1. Industrial tablet computer integration, support USB expansion
2. Visual display of indentation and automatic hardness measurement
3. Automatically generate WORD report to meet the needs of test personnel

HST-HBT3000PCZ touch-screen digital Brinell hardness tester can be easily measured by operating a touch tablet computer! And all the parameters required for the test can be directly selected, modified and analyzed on the computer. The PC terminal is connected with the hardness tester through communication protocol to control the mechanical moving parts of the hardness tester. It can realize: automatic multi-function tower position, automatic identification of objective lens and indenter, automatic loading, automatic load keeping, automatic unloading, and light brightness. By linking the built-in CCD measurement and acquisition system, clear indentation image dynamics can be displayed on the PC in real time, and the indentation can also be directly locked to automatically measure the hardness value, automatically save the test data, and generate a report. The operation is very simple and fast, eliminating man-made measurement errors.. With tablet computer as the platform, more application functions can be expanded through the Internet, and external displays, printers and other devices can

also be connected.

Technical parameter:

Product model	HST-HBT3000PCZ
Brinell Ruler	HBW2.5/62.5 HBW2.5/187.5 HBW5/62.5 HBW5/125 HBW5/250 HBW5/750 HBW10/100 HBW10/250 HBW10/500 HBW10/1000 HBW10/1500 HBW10/3000
Test force	62.5kgf(612.9N)100kgf(980.7N)125kgf(1226N)187.5kgf(1839N)250kgf(2452 N)500kgf(4903N)750kgf(7355N)1000kgf(8907N)1500kgf(14710N)3000kgf(29420N)
Loading control	Automatic (loading/holding/unloading)
Maximum height of specimen	220mm
Indenter-outer wall distance	135mm
Indenter-upper wall distance	55mm (The distance from the indenter to the upper machine wall can be increased by customizing the indenter)
Smallest unit of measurement	0.125um
Dwell time	0~60s
Hardness test range	8~650HBW
Turret	Automatic turret
Hardness reading	PCAutomatic hardness measurement
Error correction	The system calibrates the hardness at any time
Qualified judgment	The qualified range can be set, and the machine automatically reminds whether it is qualified
Total magnification	20X
Executive standard	EN ISO 6506, , ASTM E-10-08, GB/T231.2, JJG150 -2005
Data output	The computer saves the test data directly
power supply	AC220±5%,50~60Hz
Overall size (mm)	520*210*745mm
Host weight	About 125kg