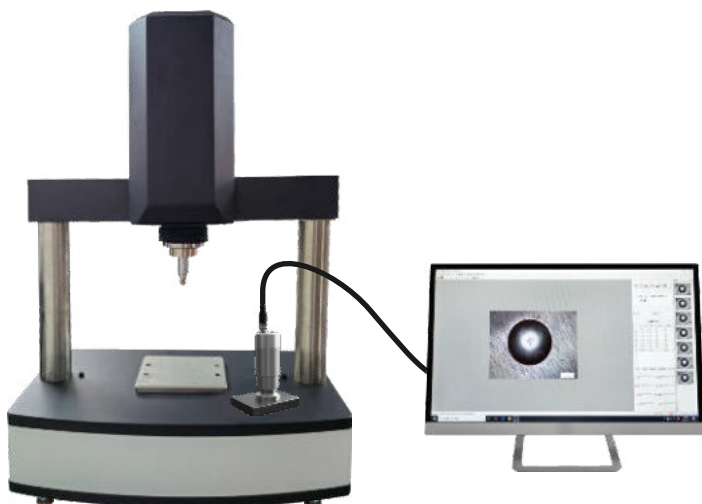


HB-3000MS



HBM-3000E



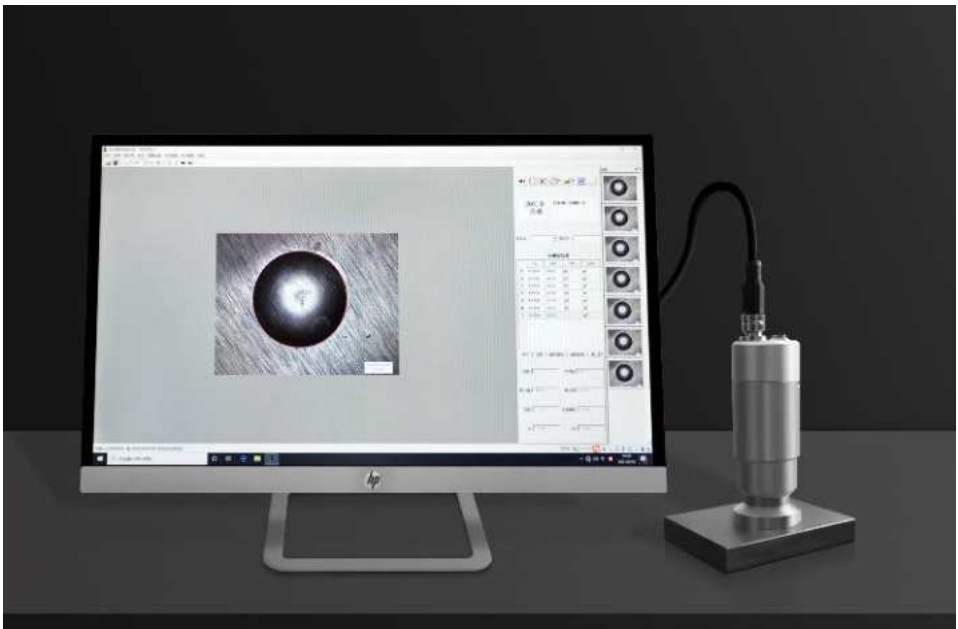
PATAMETER

- 1 Gate-type structure for hardness testing of large workpieces .
- 2 Adopt specialized CNC control system, Closed-loop electronic control system to apply test force.
- 3 The transmission part of the whole machine is completely composed of servo motor and ball screw .

- 4 The machine has low failure rate , saving time and effort in maintenance .
- 5 It is stable and reliable used in environment with large temperature difference.

MAIN PARAMETER

Model / Parameter	HB-3000MS	HBM-3000E
Test Force - kgf	62.5, 187.5, 250, 500, 750, 1000, 1500, 3000 kgf	
Measuring Scope	3 ~ 650 HBW	
Resolution	0.1 HBW	
Test Force Loading	Automatic(Loading/ Dwell/ Unloading)	
Turrent	Manual(Optional Auto)	
Test Force Loading	Electric Loading	
Control System	Touch Screen	
Dwell Time	0~ 99 s	
Max Test Height	400mm	1000 mm
Throat	570 mm	1350 mm
Main axis travel distance	100 mm(Optional)	600 mm
Indentataion Measuring	20x Reading Microscope(Atuo Brinell measuring system)	
Power	AC 220 V/ 50 Hz	



CHARACTERISTIC

- Brinell hardness image measuring instrument is a newly developed computer image measuring system specially used for Brinell hardness indentation measurement. It adopts high-pixel high speed USB II industrial camera, which has a high speed of digital image acquisition; adopts advanced aerial digital image remote sensing automatic tracking processing technology, which can accurately distinguish Brinell indentation images in complex backgrounds.
- **Measurement method:**
Automatic, circle and card line measurement.
- **Hardness conversion:**
Measured values can be converted to other hardness value,
such as:HV,HRA, HRB, HRC, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T etc.
- **Statistical results:**
Maximum/ minimum/ average value, standard deviation, Cp, Cpk etc will be automatically generated, and the upper&lower limits will be automatically indicated.
- **Test report:**
The software will automatically generate reports in Microsoft Word format , including measurement data, statistical results and measurement pictures.

STANDARD CONFIGURATION

1	20x Reading Microscope	1 pc
2	Ø 2.5/ 5/ 10 mm Ball Indenter	each 1 pc
3	Brinell Hardness Block	total 2 pcs
4	Fuse	2 pcs
5	Power Cable	1pc
6	Manual	1 copy
7	Tools	1 set



HBST-3000



ZHB-3000

MAIN PARAMETER

Model/ Parameter	HBST-3000		ZHB-3000	
Test Force - kgf	62.5 kgf, 100 kgf, 125 kgf, 187.5 kgf, 250 kgf, 500 kgf, 750 kgf, 1000 kgf, 1500 kgf, 3000 kgf			
Test Force - N	612.9 N, 980.7 N, 1226 N, 1839 N, 2452 N, 4903 N, 7355 N, 9807 N, 14710 N, 29420 N			
Conversation	HV, HRA, HRBW, HRC, HRD, HREW, HRFW, HRGW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW			
Measuring Scope	3 ~ 650 HBW			
Hardness Reading	Measuring system auto reading			
Lense	20× Digital eyepiece , 1× Objective lense			
View	6 mm			
Turrent	Manual		Auto	
Dwell Time	0~ 60 s			
Max Test Height	280 mm			
Throat	150 mm		165 mm	
Test Force Loading	Electric loading			
Power	AC 220, 110 V/ 60, 50 Hz			



210HBS-3000/ HBS-3000

MAIN PARAMETER

Model/ Parameter	210HBS-3000	HBS-3000
Measuring Scope	8- 450 HBS, 8- 650 HBW	
Total Test Force	1838.8, 2415.8, 7355.3, 9807, 14705, 29421 N (187.5, 250, 500, 750, 1000, 3000 kgf)	612.9, 980.7, 1225.9, 1838.8, 2451.8, 4903.5, 7355.3, 9807, 14710.5, 29421 N (62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000 kgf)
Max Test Height	280 mm	
Throat	150 mm	
Indenter	Ø 2.5, 5, 10 mm	
Loading Type	Weight Loading	Electric Loading
Hardness Reading	Digital	
Power	AC 220 V	

Economic Brinell Hardness Tester



HB-3000B



HB-3000C



MHB-3000E

MAIN PARAMETER

Model/ Parameter	HB-3000B	HB-3000C	MHB-3000E
Test Force - kgf	62.5 kgf(For HB-3000C & MHB-3000E), 100 kgf, 125 kgf, 187.5 kgf, 250 kgf, 500 kgf, 750 kgf, 1000 kgf, 1500 kgf, 3000 kgf		
Test Force - N	612.9 N(For HB-3000C & MHB-3000E), 980.7 N, 1226 N, 1839 N, 2452 N, 4903 N, 7355 N, 9807 N, 14710 N, 29420 N		
Measuring Scope	3 ~ 650 HBW		
Hardness Reading	Check hardness form for value	Key input indentation diameter to obtain the hardness value	Digital reading
Lense	20× Reading microscope	20× Reading microscope	Digital reading
View	6 mm	6 mm	6 mm
Min value of drum wheel	5 μm	5 μm	5 μm
Dwell Time	0~ 60 s	0~ 60 s	0~ 60 s
Max Testing Height	230 mm	280 mm	280 mm
Throat	120 mm	150 mm	150 mm
Testing Force Loading	Weight loading	Electric loading	Electric loading
Power	AC 220, 110 V/ 60, 50 Hz		



SCB-62.5



SCB-62.5S

MAIN PARAMETER

Model/ Parameter	SCB-62.5	SCB-62.5S
Test Force - kgf	1 kgf, 5 kgf, 6.25 kgf, 10 kgf, 15.625 kgf, 30 kgf, 31.25 kgf, 62.5 kgf (6.25 kgf, 10 kgf, 31.25 kgf not suitable for model SCB-62.5)	
Measuring Scope	3 ~ 650 HBW	
Hardness Value Resolution	0.1 HBW	
Data Output	Printer, RS232	Printer, Bluetooth
Loading Type	Automatic(Loading/ Dwell/ UnLoading)	
Turrent	Manual(Optional Auto)	
Test Force Loading	Weight Loading	Electric Loading
Eyepiece	10x Digital eyepiece	
Objective	5x, 10x	
Total magnification	50x, 100x	
View	50x: 1.6 mm, 100x: 0.8 mm	
Min value of drum wheel	50x: 0.5 μ m, 100x: 0.25 μ m	
Dwell Time	0~60 s	
Light	Halogen/ LED light	
Max Test Height	160 mm	185 mm
Throat	130 mm	
Power	AC 220 V/ 50 Hz	

Portable Brinell Hardness Tester



HBC

CHARACTER

Model/ Parameter	HBC
Measuring Scope	100- 400 HB5
Ball Dia	10 mm
Size	26* 120 mm
Weight	About 3 Kg

STANDARD CONFIGURATION

Hammering Brinell Hardness Block	2 pcs
Reading Microscope	20x 1 pc



HBX-0.5

CHARACTER

Model/ Parameter	HBX-0.5
Measuring Scope	100- 400 HB5
Impact energy	4.9 Joule
Size	Φ 55* 370 mm
Weight	About 3.3 kg

STANDARD CONFIGURATION

Standard Brinell Hardness Block	1 pc
Reading Microscope	20x 1 pc