



TIME GROUP INC.
www.timegroup.com

Ver 1.0



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Regional Agent:

HARDNESS TESTER SERIES



JINAN SHIJIN GROUP CO.
www.shijin.com

Enterprise Introduction

www.timegroup.com

Time Group Inc. is a high-tech testing equipment manufacturer, which was founded in 1984. At present, Time owns more than 200 million dollars of capitals and 40 branches both at home and abroad. With the effort of 2000 Time staff members, Time gained 130 million dollars of turnover in 2008. In addition, the reputation of Top 500 of China machinery industry also further certified the strength of Time Group Inc.

In 2003, the strategic combination of Time Group Inc. and Jinan Shijin Group Co., (the biggest testing machine manufacturer in China) leads the development of China testing machine industry to a higher international level.



JINAN SHIJIN Group Co. was established in 1952. Equipped with 800 sets of processing machines and a professional expert team of testing machines, Shijin realizes yearly productivity of 6000 sets of testing machines. Based on 56 years' history of manufacturing testing machines in China, focusing on R&D, Shijin launched 6 sets of newly designed testing machines (WDW-100E, WDW-200E, WAW-1000D, YE-S2000C, MM-W1A, and MR-S10B) into the international market in 2007 and 2008 respectively. Keeping on innovating and offering the best solutions with greater speed and lower cost are always the tenets of Time and Shijin.



Company Honor

Technology:

TIME SHIJIN Group have about 60 years experience in manufacturing testing machines, and we bring up a team of elite who is dedicating in testing machine industry both in researching and developing.

We have more than 60 professional technicians, include 3 experts who is taking national allowance from State Department.

After recombination with TIME Group Inc. we achieved the real technical resource share, and TIME SHIJIN Group become an enterprise which is devoting to technology innovation.



Manufacturing:

Since year 1952, the company is performing technology development every year. Now, we have different producing machine 1259 units; grand processing machine tools 4 units. Achieved the production of each machine parts of testing machine: include machine screw, oil cylinder, oil piston and so on. Strictly ensure the accuracy of whole testing machine.



ISO 9001



TÜV CE Certification



ISO Product conformity certificate

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Micro Vickers Hardness Tester DHV-1000



Features:

- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- By means of a 10× objective and a 40× objective, the tester has wide measurement and high accuracy
- Optional Knoop indenter can be used to measure Knoop hardness value

Micro Vickers Hardness Tester DHV-1000

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading / dwell / unloading
Amplification of the Microscope	100 ×、400 ×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V, 60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● DHV-1000 main unit	1	● Power cord	1
● Weights	6	● 10× numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	2
● Plane-holding fixture	1	● Weight shaft	1
● Filament fixture	1	● Instruction manual	1
● Screw driver	2	● TIME certificate	1
● Horizontal regulation screws	4	● Warranty card	1
● Level	1		

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	



Micro Vickers Hardness Tester DHV-1000Z

Anvil Automatic up / down



Features:

- Equipped with auto turret for anti-maloperation^①
- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- By means of a 10× objective and a 40× objective, the tester has wide measurement and high accuracy
- Optional Knoop indenter can be used to measure Knoop hardness value

Micro Vickers Hardness Tester DHV-1000Z

Anvil Automatic up / down

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading / dwell / unloading
Amplification of the Microscope	100 ×、400 ×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V, 60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● DHV-1000Z main unit	1	● Power cord	1
● Weights	6	● 10× numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	2
● Plane-holding fixture	1	● Weight shaft	1
● Filament fixture	1	● Instruction manual	1
● Screw driver	2	● TIME certificate	1
● Horizontal regulation screws	4	● Warranty card	1
● Level	1		

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	

Digital Micro Vickers Hardness Tester HVS-1000



Features:

- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- By means of a 10x objective and a 40x objective, the tester has wide measurement and high accuracy
- Optional Knoop indenter can be used to measure Knoop hardness value
- Print out testing results through built-in printer

Digital Micro Vickers Hardness Tester HVS-1000

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading /dwell / unloading
Amplification of the Microscope	100×、400×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V, 60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● HVS-1000 main unit	1	● Power cord	1
● Weights	6	● 10× numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	2
● Plane-holding fixture	1	● Weight shaft	1
● Filament fixture	1	● Instruction manual	1
● Screw drivers	2	● TIME certificate	1
● Horizontal regulation screws	4	● Warranty card	1
● Level	1		

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	

Digital Micro Vickers Hardness Tester HVS-1000Z

Anvil Automatic up / down



Features:

- Equipped with auto turret for anti-maloperation
- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- By means of a 10x objective and a 40x objective, the tester has wide measurement and high accuracy
- Optional Knoop indenter can be used to measure Knoop hardness value
- Print out testing results through built-in printer

Digital Micro Vickers Hardness Tester HVS-1000Z

Anvil Automatic up / down

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading /dwell / unloading
Amplification of the Microscope	100×、400×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V, 60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● HVS-1000Z main unit	1	● Power cord	1
● Weights	6	● 10× numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	2
● Plane-holding fixture	1	● Weight shaft	1
● Filament fixture	1	● Instruction manual	1
● Screw drivers	2	● TIME certificate	1
● Horizontal regulation screws	4	● Warranty card	1
● Level	1		

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	



Digital Micro Vickers Hardness Tester MHV-1000/2000



Features:

- Extendable up to 2000gf load (19.61N)
- Large LCD screen to display the measuring method, test force, indentation length, hardness value, dwell time of test force
- The hardness tester can be equipped with LCD device (composed of CCD measuring device and LCD display screen)
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- The tester has wide measurement and high accuracy by means of a 10X objective and 40X objective
- Optional Knoop indenter can be used to measure Knoop hardness value
- Print out testing results through built-in printer

Digital Micro Vickers Hardness Tester MHV-1000/2000

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading / dwell/ unloading
Amplification of the Microscope	100×、400×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V,60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● MHV-1000(2000) main unit	1	● Power cord	1
● Weights	6	● 10x numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	1
● Plane-holding fixture	1	● Cave for RS232 Interface	1
● Filament fixture	1	● Weight shaft	1
● Screw drivers	2	● Instruction manual	1
● Horizontal regulation screws	4	● TIME certificate	1
● Weight level	1	● Warranty card	1

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	



Features:

- Equipped with auto turret for anti-maloperation
- Large LCD screen to display the measuring method, test force, indentation length, hardness value, dwell time of test force
- The hardness tester can be equipped with LCD device (composed of CCD measuring device and LCD display screen)
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- The tester has wide measurement and high accuracy by means of a 10X objective and 40X objective
- Optional Knoop indenter can be used to measure Knoop hardness value
- Print out testing results through built-in printer



Digital Micro Vickers Hardness Tester MHV-1000Z

Anvil Automatic up / down

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading / dwell/ unloading
Amplification of the Microscope	100×、400×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V,60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● MHV-1000Z main unit	1	● Power cord	1
● Weights	6	● 10x numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	1
● Plane-holding fixture	1	● Cave for RS232 Interface	1
● Filament fixture	1	● Weight shaft	1
● Screw drivers	2	● Instruction manual	1
● Horizontal regulation screws	4	● TIME certificate	1
● Weight level	1	● Warranty card	1

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	



Digital Touch Panel Display Vicker Hardness Tester XHV-1000

Anvil Automatic up / down

Features:

- Equipped with auto turret for anti-maloperation
- Adopts Digital touch panel control method which at consideration of personality. Easy and obviously for the operation.
- Large LCD screen to display the measuring method, test force, indentation length, hardness value, dwell time of test force
- The hardness tester can be equipped with LCD device (composed of CCD measuring device and LCD display screen)
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- The tester has wide measurement and high accuracy by means of a 10X objective and 40X objective
- Optional Knoop indenter can be used to measure Knoop hardness value
- Print out testing results through built-in printer



SOFT STEEL		HARDENED STEEL	
HRC	77-248HV	HRC	159-1865HV
HR	77-248HV	HR	159-1876HV
HV	159-248HV	HV	159-252HV
HRC	77-157HV	HRC	236-1865HV
HR	94-248HV	HR	236-1865HV
HRC	77-127HV	HRC	236-1865HV
HR	77-155HV	HRC	236-1865HV
HRC	77-248HV	HRC	236-1865HV
HRC	77-248HV	HRC	196-200HV
HRC	77-248HV	HRC	196-200HV
HRC	127-248HV	HRC	TEXT

TEST MORE		TAB		L		R	
01	77.69	mm	TEST LOAD	9.987M			
02	77.75	mm	DWELL TIME	65 S			
306.3		HV		30.7		HRC	
2006/04/28 16:05:11						No. 61	
CLR	FREE	DEL	*20	START			

MICROHARDNESS TESTER XHV-1000	
歡迎使用	
WELCOME	
ENTER	
2006/04/28 16:03:24	

Digital Touch Panel Display Vicker Hardness Tester XHV-1000

Anvil Automatic up / down

Technical Specification:

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading / dwell/ unloading
Amplification of the Microscope	100×、400×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV-2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V,60/50Hz
Dimension	425 × 245 × 490mm

Standard Delivery:

● XHV-1000 main unit	1	● Power cord	1
● Weights	6	● 10x numerical microscope	1
● Cross testing table	1	● Vickers hardness blocks	2
● Platelet fixture	1	● Repair fuses (1A)	1
● Plane-holding fixture	1	● Cave for RS232 Interface	1
● Filament fixture	1	● Weight shaft	1
● Screw drivers	2	● Instruction manual	1
● Horizontal regulation screws	4	● TIME certificate	1
● Weight level	1	● Warranty card	1

Optional Accessory:

● Knoop indenter	● Grinding machine	● Mosaic machine
● LCD device	● Cutting machine	



Digital Vickers Hardness Tester HVS-30



Features:

- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- Optional Knoop indenter can be used to measure Knoop hardness value
- By means of closed-circuit system for control, CPU control testing force to load, dwell and unload, the sensor feedback information, therefore the lost of the testing force can be automatically compensated during testing for high accuracy

Digital Vickers Hardness Tester HVS-30

Technical Specification:

Testing force	N	4.903、9.807、19.61、24.52、29.42、49.03、98.07、196.1、294.2
	KGF	0.5、1、2、2.5、3、5、10、20、30
Carriage control		Automatic (loading/dwell /unloading)
Dwell time		(0~60) s
Amplification of the microscope		100×、400×
Min. graduation value of the test drum wheel		0.0625um
Testing field		1HV~2967HV
Lens/Indenter switch		with hand turret
Max. Height of the specimen		170mm
Max. Width specimen of the specimen		130mm
Light source		Cold light source
Power		110V / 220V, 60/50HZ
Dimension		535 × 225 × 580 (mm)

Standard Delivery:

● Large test table	1	● 10×digital microscope	1
● "V" shape test table	1	● Vickers hardness blocks	2
● Screw drivers	2	● Repair fuses (1A)	2
● Horizontal regulation screws	4	● Instruction manual	1
● Level	1	● TIME certificate	1
● Power cord	1	● Warranty card	1

Optional Accessory:

● LCD device	● Knoop indenter
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Digital Vickers Hardness Tester HVS-50

Features:

- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- Optional Knoop indenter can be used to measure Knoop hardness value
- By means of closed-circuit system for control, CPU control testing force to load, dwell and unload, the sensor feedback information, therefore the lost of the testing force can be automatically compensated during testing for high accuracy



Digital Vickers Hardness Tester HVS-50

Technical Specification:

Testing force	N	9.807、19.61、24.52、29.42、49.03、98.07、196.1、294.2、490.3
	KGF	1、2、2.5、3、5、10、20、30、50
Carriage control		Automatic (loading/dwell /unloading)
Dwell time		(0~60) s
Amplification of the microscope		100×、400×
Min. graduation value of the test drum wheel		0.0625um
Testing field		1HV~2967HV
Lens/Indenter switch		with hand turret
Max. Height of the specimen		170mm
Max. Width specimen of the specimen		130mm
Light source		Cold light source
Power		110V / 220V, 60/50HZ
Dimension		535× 225 × 580 (mm)

Standard Delivery:

● Large test table	1	● 10× digital microscope	1
● "V" shape test table	1	● Vickers hardness blocks	2
● Screw drivers	2	● Repair fuses (1A)	2
● Horizontal regulation screws	4	● Instruction manual	1
● Level	1	● TIME certificate	1
● Power cord	1	● Warranty card	1

Optional Accessory:

● LCD device	● Knoop indenter
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Brinell, Rockwell & Vickers Optical Hardness Tester HBRVU-187.5

Features:

- Suitable for testing the hardness of ferrous, non-ferrous metals, hard metals, carburized layers and chemical treating layers
- Multiple testing method: Brinell & Rockwell & Vickers
- Different kinds of testing force and indenter can be selected
- Adopt test force transformation framework and optical measuring instruction system
- Equipped with indentation measuring device



Brinell, Rockwell & Vickers Optical Hardness Tester HBRVU-187.5

Technical Specification:

Pre- test force (N)	98
Rockwell test force (N)	588,980,1471
Brinell test force (N)	306,613,1839
Vickers test force(N)	294,588,980
Magnification of microscope	37.5×,75×
Max. height of specimens(mm)	180
Distance from Indenter's center to Outer Wall (mm)	200
Machine Size(D×W×H)(mm)	560×260×760
Power supply	AC220V/50Hz
Weight(kg)	90

Standard Delivery:

● Diamond Rockwell indenter	1	● Weight 3	1
● Diamond vickers indenter	1	● Weight 4	1
● 1.5875mm ball indenter	1	● Weight 0#	1
● 2.5mm ball indenter	1	● 15× Micrometer eyepiece	1
● 5mm ball indenter	1	● 2.5× Objective	1
● Testing table (Big)	1	● 5× Objective	1
● Testing table (Small)	1	● Instruction manual	1
● Testing table (“ V ”)	1	● TIME certificate	1
● Standard Rockwell hardness block (55~65HRC)	1	● Warranty card	1
● Standard Rockwell hardness block (25~35HRC)	1	● Power cord	1
● Standard Rockwell hardness block (HRB)	1	● Fuse	1
● Standard Brinell hardness block	1	● Lamp 6V, 21CP	1
● Standard Vickers hardness block	1	● Lamp 6V, 15W	2
● Weight 1	1	● Baffle testing table	1
● Weight 2	1	● Inner lamp head	1



Other Hardness Testing Machines And Accessories

Rockwell Hardness Tester

Application:

This tester is designed for use in measuring the Rockwell hardness of hard alloys, quenched and unquenched steels. It is a desired instrument for determining the hardness in the factories and scientific research institute and laboratories of college etc.

Specifications:

Measuring range	20-88HRA, 20-100HRB, 20-90HRC
Test force	588.4, 980.7, 1471N (60,100,150kgf)
Max. height of test piece	170mm
Depth of throat	135mm
Dimensions	466×238×630mm
Weight	approx. 65kg

Main accessories:

Large flat anvil	1 pc.
Small flat anvil	1 pc.
V-notch anvil	1 pc.
Diamond cone penetrator	1 pc
1/16" steel ball penetrator	1 pc
Rockwell standardized block	5 pcs.



HR-150A-1

HB-3000B-1



Brinell Hardness Tester

Main applications:

Model HB-3000B is equipped with an electronic changeover switch. It can be used for determining the Brinell hardness of unquenched steels, cast iron, non-ferrous metal and soft bearing alloy material.

Specifications:

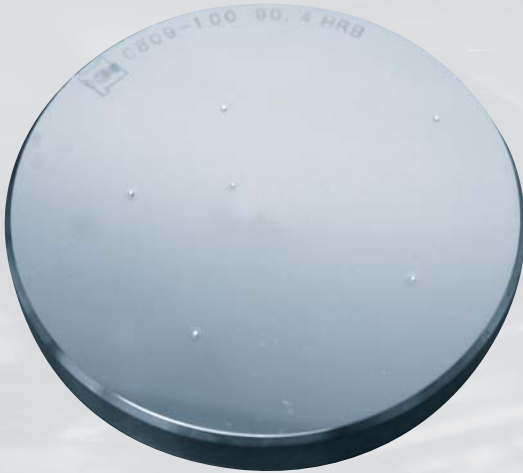
Measuring range	8-450HBS, 8-650HBW
Test force	1.839, 2.452, 7.355, 9.807, 29.42KN 187.5, 250, 750, 1000 & 3000kgf
Max. height of test piece	230mm
Depth of throat	120mm
Power supply	220V AC / 110V AC, 50/60Hz
Dimensions (L×W×H)	700mm×268mm×842mm
Weight	approx. 210kg

Main accessories:

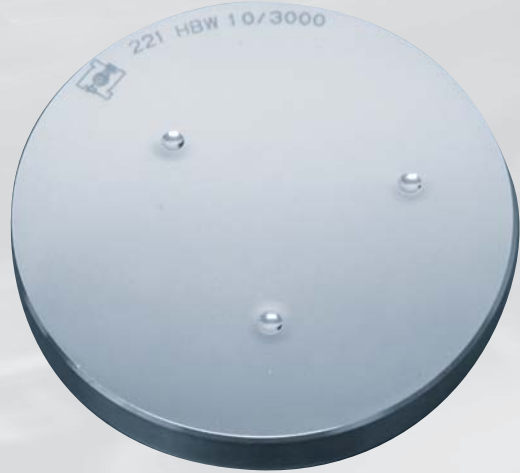
Large flat anvil	1 pc.
Small flat anvil	1 pc.
V-notch anvil	1 pc.
Steel ball penetrator	Φ2.5, Φ5, Φ10mm 1 pc. each
Brinell standardized block	2 pcs.
20× Readout microscope	1 pc.

Hardness Test Block

For Hardness Tester Calibration



Rockwell Hardness Block



Brinell Hardness Block

Technical Specification of Rockwell Hardness Block

Rockwell Hardness Scale	Range	Uniformity	Test Block Dimension		Surface Roughness(Ra/um)		Parallelism between Working Surface and Supporting Surface should be(mm/50mm)	Planeness of Working Surface and Supporting Surface should be(mm)
			Diameter (mm)	Thickness (mm)	Working Surface	Supporting Surface and Outer Rim		
A	(80~88)HRA	≤0.4HRA	≤Φ60	≥10	≥0.3	≥0.8	≤0.02	≤0.01
B	(85~100)HRB	≤1.0HRB						
C	(20~30)HRC (35~55)HRC (60~70)HRC	≤0.4HRC						
N	(89~91)HR15N (74~80)HR30N (63~70)HR45N	≤0.6HRN						
T	(88~90)HR15T (70~82)HR30T (55~72)HR45T	≤1.2HRT						

Technical Specification of Brinell Hardness Block

Brinell Hardness Scale		Range HBW	Uniformity %	Test Block Dimension		Surface Roughness (Ra/um)		Parallelism between Working Surface and Supporting Surface should be(mm/50mm)	Planeness of Working Surface and Supporting Surface should be (mm)
				Diameter (mm)	Thickness (mm)	Working Surface	Supporting Surface and Outer Rim		
30D ²	10/3000	200±50	≤2.0%	≤Φ100	≥16	≥0.2	≥0.8	≤0.03	≤0.02
	5/750			≤Φ100					
	2.5/187.5			≤Φ64	≥12				
10D ²	10/1000	100±25	≤3.0%	≤Φ100	≥16				
	5/250			≤Φ64	≥12				
	2.5/62.5			≤Φ64	≥12				

Other Hardness Testing Machines And Accessories



Model HRSS-150 Digital Rockwell Superficial Rockwell Hardness Tester



Model HRMS-45 Superficial Rockwell Hardness Tester



Model HBE-3000A Brinell Hardness Tester



Model HB-LCD/HV-LCD Series Measuring Digital Brinell Micro Vickers Hardness Tester



Model HRS-150 Digital Rockwell Hardness Tester

Application:

LCD displayer can be used for equipping with all digital Vickers or Brinell Hardness testers, such as DHV-1000, MHV-1000 / 2000 and XHV-1000 etc. The display dimension used an 8 inches liquid crystal screen; the indentions of hardness tests will be directly displayed on this screen which enable more than one operator to observe the results. Reduce the tiredness from the tests and improve the work efficiency.



Hardness Tester Accessory