

Johoyd[®]
— 鉅惠儀器 —

ACCURACY AT EVERYTHING



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Advantage

- Steel, non-ferrous metals, metal foil, carbide, metal sheet, microstructure, carbonization;
- Carburizing, nitriding and decarburizing layer, surface hardening layer, electroplating, coating, heat treatment;
- Glass, wafer, ceramic materials.



Advantage

- Industrial tablet computer integration, USB expansion
- Equipped with the latest Windows operating system, I7 processor
- Built-in CCD image automatic measurement system
- Indentation visual display, automatic hardness measurement
- Automatically record the measurement data, can generate hardness - depth curve, save into WORD document
- Dual screen can synchronously display real-time indentation, can synchronously operate automatic measurement,

Model	CHVS-2000Z	PCHVT-1000Z
Hardness Scale	HV0.025,HV0.05,HV0.1,HV0.2,HV0.3, HV0.5,HV1,HV2	HV0.01,HV0.025,HV0.05, HV0.1,HV0.2, HV0.3,HV0.5,HV1
Force(KGF)	0.025,0.05,0.1,0.2,0.3,0.5,1	0.01,0.025,0.05,0.1,0.2,0.3,0.5,1
Optical System	Objective Lens: 10×,40× Eyepiece Total Magnification(μm):100 ×,400× Resolution(μm):0.0625	Multiple: 10 × (Optional 15X) Range(μm):200 Total Magnification (μm):100×(Observation),400×(Measurement) Range (μm):200 Resolution(μm):0.0625
Hardness Measurement Range	(5-9999)HV	(5-3000)HV
XY Test Bench	Dimension (Mm): 100 × 100 Stroke Range (Mm): 25 × Twenty-Five Minimum Reading (Mm): 0.01	Size (Mm):100×100 Travel Range (Mm):25×25 Minimum Reading (Mm):0.01
Maximum Height Of Specimen(MM)	165	150
Maximum Width Of Specimen(MM)	130 (Distance From The Center Line Of The Indenter To The Machine Wall)	120
Supply Voltage	AC220V/50HZ	AC220V/50HZ
Weight(KG)	42	60
Exterior Dimensions(MM)	585×200×630	620×230×630

Products



HBE-3000A

HBE-3000S

HBS-3000

PCHBST-3000

PCHBST-3000Z

HBS-62.5

Model	HBS-62.5	PCHBST-3000Z	PCHBST-3000	HBS-3000	HBE-3000	HBE-3000A
Initial test force	3kgf(29.42N)/10kgf (98.07N) allowed error $\pm 2.0\%$	3kgf(29.42N)/10kgf (98.07N) allowed error $\pm 2.0\%$	10kgf(98.07N) allowed error $\pm 2.0\%$	10kgf(98.07N) allowed error $\pm 2.0\%$	10kgf(98.07N)	10kgf(98.07N)
Total test force	15kgf,30kgf,45kgf, 60kgf,100kgf,150kgf	15kgf,30kgf,45kgf, 60kgf,100kgf,150kgf	60kgf(588N) 100kgf(980N) 150kgf(1471N)	60kgf(588N) 100kgf(980N) 150kgf(1471N)	60kgf(588N) 100kgf(980N) 150kgf(1471N)	60kgf(588N) 100kgf(980N) 150kgf(1471N)
Display accuracy (HR)	0.1	0.1	0.1	0.1	-	-
Data output	Printer, communication interface, PC	Printer, communication interface, PC	-	-	Digital display	Digital display
Maximum height of specimen (MM)	270	260	230	230	230	170
Hardness display	8 inch color touch screen	8 inch color touch screen	Touch LCD	LCD	-	-
Distance from indenter to machine(MM)	160	160	165	165	165	135
Size(MM)	560*210*810	560*210*810	550*220*730	520*240*720	520*240*700	466*238*630
Power supply	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	AC220V+5%, 50~60Hz	-
Weight(KG)	100	100	85	70	70	65

Products



CHRTS-150ZS



CHRTS-150S



XHRTS-150



XHRS-150



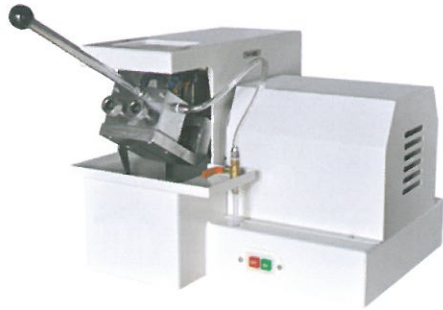
HR-150DTS



HR-150AS

Model	CHRTS-150ZS	CHRTS-150S	XHRTS-150	XHRS-150	HR-150DTS	HR-150AS
Test force	1、5、10、 15.625、30、 62.5kgf	31.25kgf(306.5N) 62.5kgf(612.9N) 100kgf(980.7N) 125kgf(1226N) 187.5kgf(1839N) 250kgf(2452N) 500kgf(4903N) 750kgf(7355N) 1000kgf(8907N) 1500kgf(14710N) 3000kgf(29420N)	31.25kgf(306.5N) 62.5kgf(612.9N) 100kgf(980.7N) 125kgf(1226N) 187.5kgf(1839N) 250kgf(2452N) 500kgf(4903N) 750kgf(7355N) 1000kgf(8907N) 1500kgf(14710N) 3000kgf(29420N)	62.5kgf(612.9N) 100kgf(980.7N) 125kgf(1226N) 187.5kgf(1839N) 250kgf(2452N) 500kgf(4903N) 750kgf(7355N) 1000kgf(8907N) 1500kgf(14710N) 3000kgf(29420N)	62.5kgf(612.9N) 100kgf(980.7N) 125kgf(1226N) 187.5kgf(1839N) 250kgf(2452N) 500kgf(4903N) 750kgf(7355N) 1000kgf(8907N) 1500kgf(14710N) 3000kgf(29420N)	62.5kgf(612.9N) 100kgf(980.7N) 125kgf(1226N) 187.5kgf(1839N) 250kgf(2452N) 500kgf(4903N) 750kgf(7355N) 1000kgf(8907N) 1500kgf(14710N) 3000kgf(29420N)
Load control	Automatic (load/hold/unload)	Automatic (load/hold/unload)	Automatic (load/hold/unload)	Automatic (load/hold/unload)	Automatic (load/hold/unload)	Automatic (load/hold/unload)
Maximum specimen size	Maximum height 165mm	220mm	220mm	220mm	220mm	220mm
Minimum unit of measurement	0.25μm	0.125μm	0.125μm	0.125μm	0.005μm	0.005μm
Hardness test range	-	8~650HBW	8~650HBW	8~653HBW	8~650HBW	8~653HBW
Data output	Built-in printer	The computer saves the test data directly	Built-in printer	Built-in printer	Measured directly by computer	Built-in printer
Power source	AC220V±5% 50~60Hz	AC220V±5% 50~60Hz	AC220V±5% 50~60Hz	AC220V±5% 50~60Hz	AC220V±5% 50~60Hz	AC220V±5% 50~60Hz
Weight(KG)	About 45	About 125	About 125	About 125	About 105	About 105
Size(MM)	-	520*210*745	520*210*745	520*210*745	520*210*745	520*210*745

Metallographic sample cutting machine



Model	Q-2	Q-2A	HQG-60	HQG-80	HQG-100	Q-80	ZQ-100B
Max cutting diameter(mm)	30	55	60	80	100	80	100
Speed	2800r/min	2800r/min	2800r/min	2800r/min	2800r/min	2800r/min	2300r/min
Wheel specifications(MM)	250×2×32	300×2×32	250×2×32	300×2×32	300×2×32	350×2.5×32	350×2.5×32
Power(KW)	1.1	2.2	2.8	2.8	2.8	3	3
Cutting method	Manual	Manual	Manual	Manual	Manual	Manual	Automatic

High-speed precision cutting machine



Low speed precision cutting machine



Model	HQG-200D
Motor Power	1500W
Cutting Speed	500-5000rpm
Y-axis Travel	260mm
Cutting method	Spindle Y-direction automatic feed (automatic homing after cutting), manual feed, pulse feed (automatic homing after cutting)
Feed speed	0-600mm/min (adjustment step 0.01mm1)
Lateral clamping width	225mm
Longitudinal clamping length	150mm
Size(MM)	830×810×410
Input power	Single phase AC220V, 50Hz
Weight(KG)	130

Model	HQG-100D
Motor Power	300W
Cutting Speed	50-1000rpm
Operation method	Touch screen
Cutting method	Gravity feed straight cut
Counterweight loading	0-450g
Micrometer feed	0-25mm
Positioning accuracy	0.1mm
Size(MM)	335×330×365
Input power	Single phase AC220V, 50Hz
Weight(KG)	30

Sample Mounting



XQ-2B



HXQZ-1



HYXQZ-2

Grinder and Polisher



MP-1T



MP-2T



HMP-2

Automatic Grinder and Polisher



HMPB-2



HMP-1AB



HMP-2AB