



B.N.C.TOOLING Co.,Ltd.

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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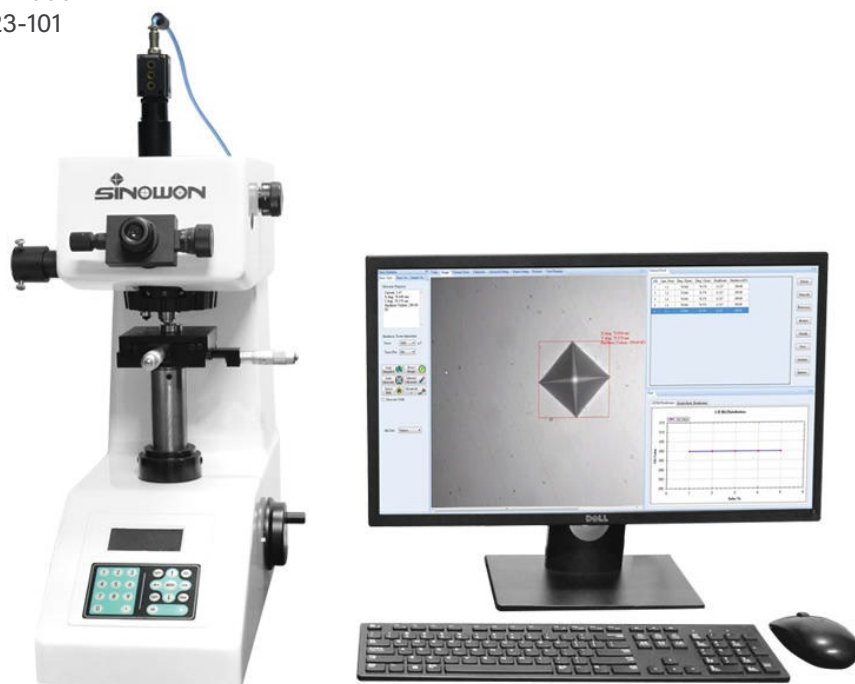


Hardness Testing Machines

Manual Micro Vickers Hardness Tester

HV-1000

Model	HV-1000
Code#	823-101



Characteristics

- The micro hardness testing of materials allows for the determination of the hardness of small or thin specimens and small areas of larger specimens, Micro hardness testing is commonly used to determine characteristics of thin sheets, foils, fine wire, epoxies, paints, etc. and is often employed in R&D applications.
- Micro hardness is especially useful in determining hardness variations, caused by hardening, quenching, plating, fabrication, welding or annealing, bonding, etc. Micro hardness testing can be accurately employed using loads as slight as 10 grams, somewhat less and considerably more in certain situation.
- Optional Vickers hardness testing software is available for CDH(Carburized layer depth)measurement.

Application Range

- Testing very thin materials like foils, thin pieces, coatings layers, etc;
- Measuring hardness of the surface of a part, small parts or small areas;
- Measuring individual micro-structures;
- Measuring the depth of case hardening by sectioning a part and making a series of indentations to describe a profile of the change in hardness.



Hardness Testing Machines

Specification

Commodity		Manual-Turret Micro Vickers Hardness Tester		Auto-Turret Micro Vickers Hardness Tester	
Model		HV-1000		HV-1000Z	
Code#		823-101		823-101Z	
Hardness Scale		HV			
Hardness Conversion		HV, HR, HRC, HB, HK			
Loading Force	N	0.098、 0.246、 0.49、 0.98、 1.96、 2.94、 4.90、 9.80			
	gf	10、 25、 50、 100、 200、 300、 500、 1000			
Indentation Measurement		Analogue Eyepiece with Mechanic		Micrometer	
		(To measure the indentation by optional Vickers		Testing Software system)	
Loading Control		Automatic (Loading, Dwell, Unloading)			
Magnification of Microscope		Observation:10x/40x; Measurement:10x/40x			
Magnification on of Eyepiece		10x Analogue Eyepiece			
Dwell Time		Adjustable 5~60s			
Testing Range		1HV~3000HV			
Analogue X-Y Anvil		Size:100x100mm; Travel:25 x25mm; Resolution: 0.25um			
Optical Channel		Two-Channel: Eyepiece/camera switchable			
Illumination		Adjustable	Halogen light-source		
Max. Height of Specimen		90mm			
Instrument Throat		120mm			
Operating Temperature		23±5℃			
Operating Humidity		<65%			
Power Supply		AC220V/50Hz; AC110V/60Hz			
Dimension (LxWxH)		530×290×490mm			
Gross/Net Weight		50Kg/40Kg			



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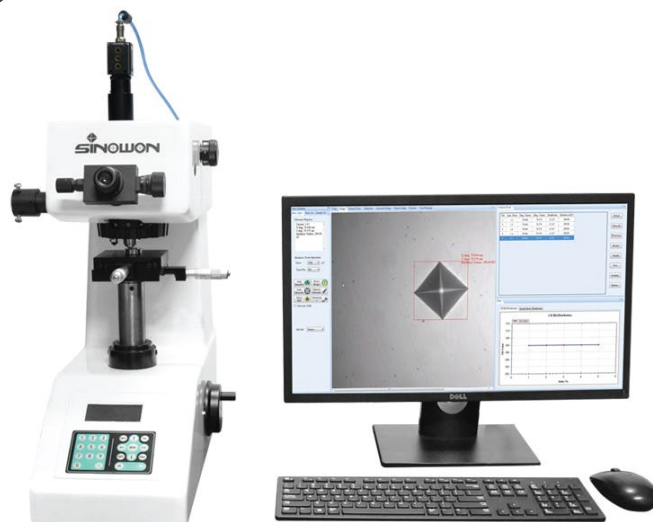


Vision Measuring Machine

Manual Micro Vickers Hardness Tester

HV-1000

Model HV-1000
Code# 823-101



Standard Delivery

Commodity	Code #	Commodity	Code #	Commodity	Code #
MicroVickers Intender	823-401	10x Analogue Eyepiece	823-301	Dust Cover	823-911
X-Y Working Stage	823-701	10x Objective	823-311	Toolbox	823-901
Hardness Block (700~800) HV1	823-611	40x Objective	823-341	Power Cord	823-801
Flat Precision Clamp	823-711	Thin-Piece Clamp	823-751	Filament Clamp	823-761
Hardness Block (400~500) HV0.2	823-621	Warranty Card / Qualified Certificate/ Operation Manual / Packing List	HV-1000	Flat Precision Clamp	823-711

Standard Delivery

Commodity	Code #	Commodity	Code #	Commodity	Code #
Digital Micrometer Head	823-719	Unequal Specimen Clamp	823-741	Dell PC System	Dell3070MT
Camera Adapter	823-361	USB CMOS Camera	823-471	Vickers Measuring Software	iVicky 2.0