



MICRO HARDNESS TESTER QUALIVICK 1000-SERIES

HARDNESS TESTING TECHNOLOGIES

MICRO HARDNESS TESTER

QUALIVICK 1000-SERIES

QualiVick 1000-Series Micro Hardness Testers redefine precision and efficiency.

Featuring an integrated design, touch screen controls, and CCD image acquisition, **the QualiVick 1000-Series guarantees precise measurements.** For enhanced automation, the QualiVick-1000Auto features fully automatic functionalities, setting a new standard in efficiency with motorized X-Y tables and automatic focusing.

Experience innovation, accuracy, and user-friendly interfaces with the QualiVick 1000-Series for unparalleled micro hardness testing.



FEATURES/ADVANTAGES OVERVIEW

QUALIVICK 1000-SERIES

Feature	QualiVick-1000	QualiVick-1000Auto
Integrated computer interface	Yes (Windows 7 OS)	Yes (Windows 7 OS)
Automatic recognition & shifting	Yes	Yes
Digital X-Y test table	Yes	Yes (Motorized)
CCD image acquisition system	Yes	Yes
Hardness scale conversion	Yes	Yes
Automatic data saving & document generation	Yes (WORD/EXCEL)	Yes (WORD/EXCEL)
Interfaces (USB, VGA, LAN)	No	Yes (USB, VGA, LAN)
Automation of focusing and measuring	No	Yes

Common Features:

- Automatic recognition and shifting between the objective and the indenter.
- Utilization of the Windows operating system for comprehensive functionality.
- CCD image acquisition system for clear image display and automatic hardness value retrieval.
- Hardness scale conversion functionality.
- Automatic saving of measuring data, generation of hardness-depth curves, and the ability to save as WORD or EXCEL documents.

Distinct Features:

QualiVick-1000:

- Integration of hardness tester functionalities with a computer interface, utilizing a responsive touch screen for parameter selection, enhancing user-friendliness.
- Digital X-Y test table providing improved precision in positioning and measurement without motorization.
- Utilizes an Intel I5 CPU, 4G memory, and a 240G SSD.

QualiVick-1000Auto:

- Responsive touch screen, including an external touch screen for direct display of indentation images, reducing eye strain for operators.
- Motorized X-Y test table with a slightly smaller size but larger travel capability. Offers automated and precise positioning for enhanced measurement accuracy.
- Interfaces for USB, VGA, and LAN.
- Utilizes an Intel I5 CPU, 8G memory, and 240G SSD.

MICRO HARDNESS TESTER QUALIVICK 1000

The Micro Hardness Tester QualiVick-1000 seamlessly combines the functionalities of a hardness tester with those of a computer interface. Featuring a responsive touch screen, **it allows for easy parameter selection and operation.** Equipped with a CCD image acquisition system, it ensures precise and stable Vickers hardness measurements, enhancing efficiency through automated processes. Adhering to international standards such as ASTM E384, ISO 6507, and JIS Z2244, the QualiVick-1000 guarantees accuracy and reliability in hardness testing. With compatibility for external devices and versatile data-saving options, it sets a new standard in microhardness testing technology, embodying the latest advancements with its user-friendly interface.

Application Range:

The Micro Hardness Tester QualiVick-1000 is well-suited for hardness testing across various materials, including ferrous and non-ferrous metals, IC thin sections, coatings, ply-metals, glass, ceramics, agate, precious stones, thin plastic sections, and more. It excels in assessing hardness on the depth and trapezium of carbonized layers and quench-hardened layers.



TECHNICAL SPECIFICATIONS

QUALIVICK 1000

Item		Technical Parameter
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N
Test Range		1HV~2967HV
Test Mode		HV/HK
Loading Method		Automatic (Loading/Dwell/Unloading)
Turret		Automatic Shifting
Micro Computer		CPU: Intel I5, Memory: 4G, SSD: 240G
CCD Pixel		1.30 Million
Conversion Scale		HV, HK, HRA, HRBW, HRC, HRD, HREW, HRFW, HRGW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HS, HBW
Hardness Reading		Indentation Display and Automatic Measuring on Touch Screen
Data Output		WORD or EXCEL Report with Curve Chart
Objective		10×, 40×

Item	Technical Parameter
Effective Field of View	10×: 680μm, 40×: 170μm
Min. Measuring Unit	10×: 0.1μm, 40×: 0.025μm
Dwell Time	0~60s
Light Source	Halogen Lamp
Digital X-Y Test Table	Size: 120×120mm; Travel: 25×25mm; Resolution: 0.001mm
Max. Sample Height	170mm
Throat Depth	130mm
Voltage	AC220V, 50Hz (110V is also available. Please specify when ordering)
Standards	ASTM E384, ISO 6507, JIS Z2244.
Dimension	560×335×675mm, Packing Dimension: 650×380×960mm
Weight	Net Weight: 48kg, Gross Weight: 62kgNet Weight: 105.82 lbs, Gross Weight: 136.68 lbs
Standard Configuration	Main Body, Diamond Micro Vickers Indenter, 10×, 40× Objective, 10× Eyepiece, Digital X-Y Test Table, Flat Clamp, Filament Clamp, Halogen Lamp 12V、20W, Thin Specimen Clamp, Hardness Block 400~500 HV0.2, Hardness Block 700~800 HV1, Mouse

MICRO HARDNESS TESTER

QUALIVICK 1000AUTO

Experience cutting-edge automation with the Micro Hardness Tester QualiVick-1000Auto, **seamlessly integrating a hardness tester with computer functionality and boasting the Windows operating system for comprehensive performance.** Equipped with a CCD image acquisition system, it directly displays indentation images on the touch screen for precise Vickers hardness values, eliminating the need for eyepiece measurements and reducing strain. With intuitive touch screen controls, automatic recognition and shifting between objectives, versatile language options, and automated features like motorized X-Y test tables and automatic focusing, the QualiVick-1000Auto sets a new standard in fully automated Micro Vickers hardness testing. Offering USB, VGA, and LAN interfaces for convenient data output, it redefines efficiency and precision in micro hardness testing, making it a pioneering solution in the field.

Application Range:

Ideal for testing ferrous metal, non-ferrous metals, IC thin sections, coatings, ply-metals, glass, ceramics, agate, precious stones, thin plastic sections, and more. Particularly effective for hardness testing on the depth, trapezium of carbonized layers, and quench-hardened layers. The QualiVick-1000Auto sets a new standard in fully automated Micro Vickers hardness testing technology.



TECHNICAL SPECIFICATIONS

QUALIVICK 1000AUTO

Item		Technical Parameter
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N
Test Range		1HV~2967HV
Test Mode		HV/HK
Loading Method		Automatic (Loading/Dwell/Unloading)
Turret		Automatic Shifting
Micro Computer		CPU: Intel I5, Memory: 8G, SSD: 240G
CCD Pixel		1.30 Million
Conversion Scale		HV, HK, HRA, HRBW, HRC, HRD, HREW, HRFW, HRGW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HS, HBW
Hardness Reading		Indentation Display and Automatic Measuring on Touch Screen
Data Output		WORD or EXCEL Report with Curve Chart
Objective		10×, 40×

Item	Technical Parameter
Effective Field of View	10×: 680μm, 40×: 170μm
Min. Measuring Unit	10×: 0.1μm, 40×: 0.025μm
Dwell Time	0~60s
Light Source	Halogen Lamp
Digital X-Y Test Table	Size: 110×110mm; Travel: 50×50mm; Resolution: 0.001mm
Max. Sample Height	170mm
Throat Depth	130mm
Voltage	AC220V, 50Hz (110V is also available. Please specify when ordering)
Standards	ASTM E384, ISO 6507, JIS Z2244.
Dimension	560×335×675mm,Packing Dimension: 650×380×960mm
Weight	Net Weight: 52kg, Gross Weight: 67kgNet Weight: 114.64 lbs, Gross Weight: 147.71 lbs
Standard Configuration	Main Body, External Touch Screen, 10× Eyepiece, 10×、40× Objective, Diamond Micro Vickers Indenter, Motorized X-Y Test Table, Flat Clamp, Thin Specimen Clamp, Filament Clamp, Hardness Block 400~500 HV0.2, Hardness Block 700~800 HV1, Halogen Lamp 12V、20W



About Qualitest

Qualitest's Advanced Metals Testing Technologies, meticulously designed to cater to a diverse array of applications tailored to your specific needs.

Our portfolio of advanced testing technologies encompasses a range of state-of-the-art systems such as Universal Testing Machines, Portable / Benchtop Hardness Testers, Impact Testers, Metallography Systems, Spectroscopy and Analytical Instruments, XRF Analyzers, Environmental Chambers, Sample Specimen Preparation Machines, Vision Measuring Machines, Hardness Testers, and an extensive range of other specialized equipment.

Explore our comprehensive range of metal testing technologies to find the perfect solution for your unique requirements.

KEY QUALIBENEFITS



Best Price Guarantee: Qualitest is committed to delivering top-quality, competitive flexible packaging & film testing equipment at unbeatable prices. Our confidence in providing the highest value for your investment is backed by a price match guarantee.



Trusted Partner for Fortune 500 Companies: Join the ranks of Fortune 500 companies who choose Qualitest as their trusted vendor. Benefit from tailored solutions and proven excellence, gaining a strategic edge for business success.



Efficient Global Logistics: Enjoy quick delivery of standard products through our extensive network of worldwide distribution centers. Our high shipping volume enables us to offer the most competitive rates for global delivery.



Centralized Service & Support Coordination: Our central service department manages efficient customer service support directly or through our global QualiService authorized network, ensuring seamless assistance.



Exceeding Standards: Qualitest products are meticulously crafted to not only meet but surpass North American and global standards, ensuring uncompromised quality. Our dedication to excellence drives every aspect of our production process.



Qualitest Finance Packages: Explore affordable payment plans and flexible options through our QualiFinance program, making quality products and solutions accessible without compromising your budget.



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[Toll-Free: 1.877.884.TEST \(8378\)](#) | [Fax: 954.697.8211](#)

info@qualitest-inc.com | www.WorldofTest.com

Canada & International: 70 East Beaver Creek Rd., #9, Richmond Hill, Ontario L4B 3B2, Canada

USA: 8201 Peters Rd., #1000, Plantation, FL 33324, USA

Qualitest FZE - GCC/Middle East/Africa: Jafza One, BB 1610, Jebel Ali Free Zone, PO Box 261440, Dubai, UAE