Advanced Hardness Testing Technologies

Rockwell
Brinell
Micro / Vickers / Knoop / Case Depth
Universal
Special Scale Hardness Testers
Accessories
Durometers/IRHD Hardness Testers for Polymers
About Qualitest

QUALITEST, together with the WorldofTest.com network, is a global supplier of testing technologies that help customers improve their design, development and manufacturing processes. Our mission is to help our customers design, develop and produce their products faster, with higher quality and at a lower cost. A leader in offering the widest range of precision hardness measurement tools on the market, Qualitest leverages extensive industry experience to provide products that determine accurate hardness of metallic and non-metallic materials, and products. These solutions include portable and low cost hardness testers as well as bench-top and sophisticated systems to meet your highest demands. Qualitest also delivers leading-edge in-line hardness testing systems for higher volume and automated testing processes.

With rapidly growing presence in North America and worldwide, Qualitest maintains offices in USA, Canada, UAE and Asia with a wide network of sales and service partners. This global presence ensures that Qualitest customers have fast and efficient access to Qualitest service, support and consulting services to realize optimal return on their testing solution investments.

Qualitest offers after sales service/calibration support directly or through our authorized and nationwide A2LA accredited and ISO 17025 certified service centers.

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Rockwell Hardness Testers
Benchtop Models

HardRocker 150A - Basic Analog Rockwell Regular (HRC, HRB, HRA) Hardness Tester. Low Cost and very popular.
www.WorldofTest.com/hardrocker.htm

HardRocker HRS-150 - Basic Digital Rockwell Regular (HRC, HRB, HRA) Hardness Tester. Low cost.
www.WorldofTest.com/hardrocker.htm

HardRocker MS-45 Digital Superficial - Basic Digital Rockwell Superficial (15, 30, 45 kgf) Hardness Tester. Low Cost.
www.WorldofTest.com/hardrocker.htm

QualiRock R & RS - Digital Rockwell Hardness Tester (Regular, and TWIN Model). Advanced & highly accurate.
www.WorldofTest.com/qualirock.htm
Rockwell Hardness Testers
Benchtop Models

M4R - Highly advanced Load-cell type Digital Rockwell Hardness Tester. Rockwell Regular, Superficial, Brinell, Vickers
www.WorldofTest.com/rockwellm4r.htm

MTR EsaTest - Accurate patented hardness tester, for hard to access areas. Small or large specimens, irregular sample shapes, gears, bearings, engine blocks, cylinders & other automotive components. Special applications also include galvanizing, coatings (hard chrome, anodizing, cylinders) & other applications in heat treatment department as well as case depth up to 1/10mm.
www.WorldofTest.com/esatest.htm

In-Line Rockwell Testers - Efficient, Fast and accurate, for High volume production lines.
Rockwell Hardness Testers
Portable Models

Ames Regular & Superficial - Low cost Analog Portable Rockwell Testers. Regular & Superficial in 11 different models.
www.WorldofTest.com/ames.htm

TH-170 - Rebound-type tester with many advanced and convenient features such as:
• USB Interface
• Replaceable Batteries
• Extended Memory

H-1000 - Basic and low cost single scale HRC rebound-type hardness tester.
www.WorldofTest.com/h1000.htm

TH-130 - Entry-level Rebound-type Hardness Tester. Low Cost.
www.WorldofTest.com/th130.htm

TH-130 - Entry-level Rebound-type Hardness Tester.
www.WorldofTest.com/th1series.htm

Hartip-3000 - Intermediate Rebound-type Hardness Tester with interchangeable Impact Devices for other applications
www.WorldofTest.com/hartip3000.htm

TH-150 - Rebound-type Hardness Tester, with ergonomic design and more features.
www.WorldofTest.com/th150.htm

TH-160 - High End Rebound-type Hardness Tester with interchangeable Impact Devices, integrated mini-printer and many more features.

HT-100 - Standard Rebound-type Hardness Tester with separate impact devices.
www.WorldofTest.com/ht100.htm

HT-100 - Standard Rebound-type Hardness Tester.
www.WorldofTest.com/htseries.htm

H-1000 - Basic and low cost single scale HRC rebound-type hardness tester.
www.WorldofTest.com/h1000.htm

TH-160 - High End Rebound-type Hardness Tester with interchangeable Impact Devices, integrated mini-printer and many more features.
Rockwell Hardness Testers
Portable Models


DynaTest - Heavy Load Digital Hardness Tester, most suitable for Cast Iron (Oil Pipes or similar – Turbine Blades, etc.) and Forged Steel. www.WorldofTest.com/dynatest.htm

Handy EsaTest - Accurate patented hardness tester, for hard to access areas. Small or large specimens, irregular sample shapes, gears, etc. www.WorldofTest.com/handyesatest.htm
Bore Hardness Tester - For hardness measurement inside the bores, holes, pipes, cutting dies, keyways, etc. www.WorldofTest.com/borehardness.htm

Webster Testers - 3 different models for Aluminum, Mild Steel-Brass, and Copper with conversions to HRE and HRB. www.WorldofTest.com/webster.htm

Gear Tooth Flank Hardness Tester - The tester consists of test unit N1E 000 (S80), complete with dial gauge, dial gauge cover, spring sleeve and measuring head with lever for applying test loads. It also incorporates a spring link to transmit the test loads to indenter and device for clamping instrument to gear tooth flanks. www.WorldofTest.com/gearteethht.htm

Gear Teeth Hardness Tester - The Tester consists of test unit N1E 000 (complete with dial gauge, dial gauge cover and spring set) load application lever, measuring head (comprising two, hardened steel plates) with built-in spring link to transmit test load to indenter, including diamond indentor, with device of light metal to clamp tester to gear tooth flanks by means of load limiting clutch. www.WorldofTest.com/gearteethht.htm
Brinell Hardness Testers
Benchtop Models


Used-Rebuilt Models - We also carry Rebuilt and used Brinell Testers. These units have all new electrics, new load valve block, new pump, new hydraulic lines and fittings, newer o-ring style bottom cylinder cover, an additional pressure safety valve, external oil filter system, repainted.) Please contact us for the current list of our rebuilt Brinell Testers.
info@qualitest-inc.com
Brinell Hardness Testers
Portable Models

TeleBrineller - Low cost Portable Telebrineller System permits the accurate and convenient determination of the “Brinell Hardness” of metals and metal products, independent of their dimensions, shape, and location.
www.WorldofTest.com/telebrineller.htm

DynaTest - Heavy Load Digital Hardness Tester, most suitable for Cast Iron (Oil Pipes or similar – Turbine Blades, etc.) and Forged Steel
www.WorldofTest.com/dynatest.htm

King Brinell - The most popular Brinell Hardness Tester on the market. Accurate, versatile, affordable.
www.WorldofTest.com/brinell.htm

Brinell Microscope (Manual), and Stage Micrometer - This Brinell microscope is the most rugged, versatile and optically reliable on the market today.
www.WorldofTest.com/brinellmicroscope.htm

KingScan Automatic Microscope with CCD Camera and advanced features - Brinell impression reading is faster and easier than ever before with the KingScan computerized microscope.
www.WorldofTest.com/kingscan.htm
Micro / Vickers / Knoop Hardness Testers

M1C - Top-of-the-Line Low Load Hardness Tester for Vickers, Knoop, & Brinell
www.WorldofTest.com/microhardnesstester.htm

www.WorldofTest.com/microhardnesstester.htm

HV Series - Extensive Range of Micro & Macro Vickers Hardness Testers
www.WorldofTest.com/microhardnesstester.htm

CMT Retrofit Package for Existing Micro Hardness Testers
- The solution of choice for laboratories that require a low cost modernization package. Using your own computer, install easy-to-use CMT software, an acquisition board and a high resolution camera.
Supported testers include: Buehler, Clark, Future-Tech, Leco, Leica/Leitz, Mitutoyo, Shimadzu and Zwick.
www.WorldofTest.com/microhardnesstester.htm
Vickers / Case Depth Hardness Testers

**HTD-900** - Now you can accurately measure the case depth hardness of metals, with up to 1.3mm, in less than 30 seconds with HTD-900 advanced hardness tester. The direct readings will be shown in Vickers and mm, and can be converted to other scales. The main advantage of HTD-900 is that you can measure awkward and hard to access test points non-destructively without damaging the integrity of test sample. www.WorldofTest.com/casedepth.htm

**MTR EsaTest** - Accurate patented hardness tester, for hard to access areas. Small or large specimens, irregular sample shapes, gears, bearings, engine blocks, cylinders & other automotive components. Special applications also include galvanizing, coatings (hard chrome, anodizing, cylinders) & other applications in heat treatment department as well as case depth up to 1/10mm. www.WorldofTest.com/esatest.htm

**Handy EsaTest** - Advanced & Accurate Portable Model. The most simple and accurate patented hardness tester, for hard to access areas. Small or large specimens, irregular sample shapes, gears, etc. www.WorldofTest.com/handyesatest.htm
Universal Hardness Testers

M4U-Series Universal Models
- Available in Manual or Motorized versions, covering all of the Rockwell ranges plus, Brinell, Vickers, Knoop, and more
www.WorldofTest.com/universalm4u.htm

M4C Universal Hardness Tester - Combined Rockwell (Regular / Superficial) / Brinell / Vickers / Knoop hardness tester, similar to M4U Series with Innovative design and direct indication of the indentation on the integrated LCD Monitor.
www.WorldofTest.com/m4c.htm

M5-Series Universal Brinell
www.WorldofTest.com/brinelluniversal.htm
Special Scale Hardness Testers

**Barcol Impressor Hardness Tester** - Analog and Digital models, for accurate hardness measurement on glass-reinforced plastics, duroplastics, hard thermo plastics, semifinished and finished products, and aluminum according to Barcol

www.WorldofTest.com/barcol.htm

**Webster Testers** - 3 different models for Aluminum, Mild Steel-Brass, and Copper with conversions to HRE and HRB.

www.WorldofTest.com/webster.htm
Hardness Testing Accessories

Rockwell Test Blocks
Comes with full certification.
Rockwell Regular Hardness Test Blocks: HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV.
Rockwell Superficial Hardness Test Blocks: HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
www.WorldofTest.com/hardnessblocks.htm

Brinell Test Blocks
Comes with full certification.
3000Kg, 2000Kg, 1500Kg, 1000Kg, 500Kg, 250Kg, 187.5Kg & Telebrineller Bars
Brinell Accessories:
• Steel Balls
• Carbide Balls
www.WorldofTest.com/hardnessblocks.htm

Rockwell Testing Accessories
• Diamond Penetrators
• Ball Penetrators
• Anvils
• Other
www.WorldofTest.com/hardnessblocks.htm

Micro (Vickers / Knoop) Test Blocks and Indentors
Comes with full certification.
Our range of micro hardness test blocks exceed industry standards. All of our micro test blocks are mirror-polished and mounted to provide the best possible test surface. We offer Vickers and Knoop Diamond Indenters that are suitable for different hardness tester makes.
Durometers / IRHD Hardness Tester Range
For Rubber, Plastics and Other Elastomers

**Portable Models**

- **HP-Series Analog Durometer** - Low-cost Hand-held Dial Type Durometers for all Shore scales. Highest quality and accuracy and the most durable on the market. Can be used as bench-top units with the optional test stand. [www.WorldofTest.com/durometer.htm](http://www.WorldofTest.com/durometer.htm)

- **HPE-II Digital Durometers** - Digital Hand-held Durometers for all Shore scales. Highest quality and accuracy and the most durable model on the market. RS-232 interface for data transfer to PC is available. Can be used as bench-top units with the optional test stand. [www.WorldofTest.com/hpe.htm](http://www.WorldofTest.com/hpe.htm)

- **HHP-2001 Electronic Durometer** - Digital versatile Electronic unit which can accommodate as many as different test stamps for different Shore scales. Cost-effective if more than 2 Shore scales are required. Can be used as bench-top unit with the optional test stand. [www.WorldofTest.com/hhp-2001.htm](http://www.WorldofTest.com/hhp-2001.htm)


**Benchtop Models**

- **DigiTest Automatic Motorized** - The most versatile and accurate automatic Durometer on the market with easy expansion and upgradability as well as possibility to test various Shore or IRHD scales with the push of a button, totally eliminating operator’s influence on test results. [www.WorldofTest.com/digitest.htm](http://www.WorldofTest.com/digitest.htm)


Also offered by Qualitest:

- Universal Tensile/Compression Testing Machines
- Pendulum Impact Tester
- Resonant Fatigue Testers
- Grips & Fixtures for Tensile, Compression, Flexure, etc. Tests
- Sheet Metal Formability Testing Machine
- Physical Sample Preparation Equipment (Tensile/Impact, etc.)
- Metallography Equipment / Metallurgical Microscopes
- Surface Roughness Testers
- Thickness Gauges
- Large Chamber SEM
- Extensive Range of Plastics & Rubber Testing Equipment

Contact Information:

Toll free 1.877.884.8378
Fax: 954.697.8211
email: info@qualitest-inc.com

www.WorldofTest.com

Qualitest Locations:

USA:  Plantation, Florida
       Buffalo, New York
       San Diego, California

Canada: Markham, Ontario

UAE:  Dubai

Asia:  Hong Kong