

Advanced Hardness Testing Technologies



Rockwell

Brinell

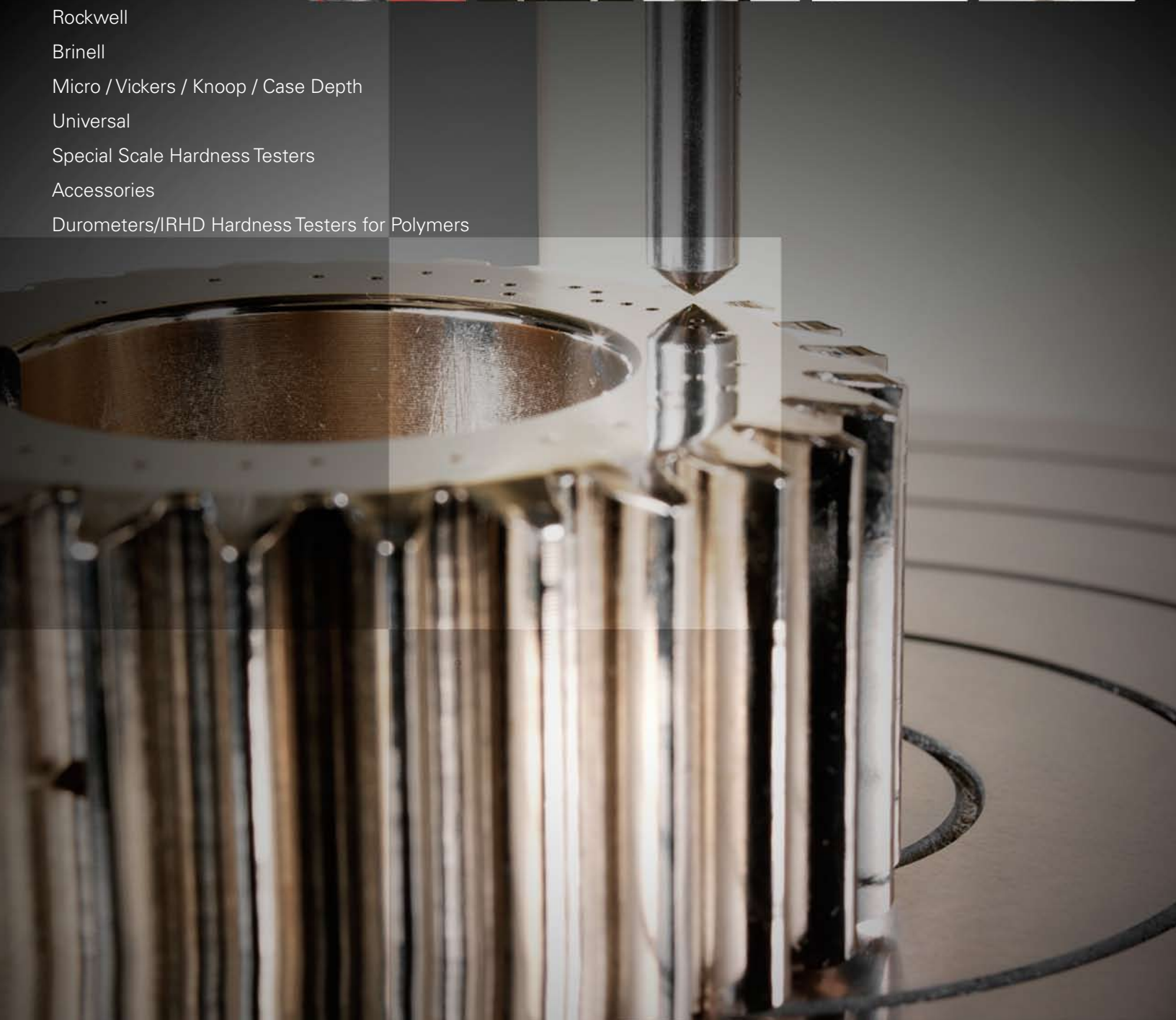
Micro / Vickers / Knoop / Case Depth

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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Portable Hardness Testers For Metals



Handy EsaTest

- Accurate patented hardness tester, for hard to access areas. Small or large specimens, irregular sample shapes, gears, etc. Many customers that don't find Ultrasonic hardness testers reliable and accurate for their application, have chosen Handy Eastest as the most versatile portable hardness tester for their precise hardness measurement. Also a successful application for Handy EsaTest is HAZ (Heat Affected Zone) hardness measurement for weld joints, and many more. Handy Eastest conforms to DIN 50158 standard and as standard comes with Rockwell and Vickers scales.

www.WorldofTest.com/handyesatest.htm



DynaTest

- Heavy Load Digital Portable Hardness Tester, most suitable for Cast Iron (Oil Pipes or similar – Turbine Blades, etc.) and Forged Steel. Conforming to DIN 50157 standard, Dynatest can apply a load of 100 kgf using indenter, which can make this tester comparable to bench top hardness testers.

www.WorldofTest.com/dynatest.htm



CompuTest SC

- Best-selling state-of-the-art Digital Rockwell Portable Hardness Tester with many advanced features. Conforming to ASTM B724 and DIN 50157 standards, and using diamond indentation method Computest is one of the most accurate portable hardness tester on the market and most suitable for flat surfaces with standard configuration or round objects using the V shaped adapter.

www.WorldofTest.com/computest.htm

Leeb's Rebound Type Portable Hardness Testers For Metals



QualiTip

- Very popular and best-selling rebound-type portable hardness tester. Complete and universal model offered at a compact and attractive package.
www.WorldofTest.com/qualitip.htm



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/thseries.htm



TH-170

- Rebound-type tester with many advanced and convenient features such as a USB Interface, Replaceable Batteries & Extended Memory
www.WorldofTest.com/th170.htm



HT-100

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



Hartip-3000

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



HT-200

- Top-of-the-line rebound type hardness tester, capable of measuring the hardness of a broad variety of metals on flat and round surfaces.
www.WorldofTest.com/ht200.htm

Portable Hardness Testers For Metals



Webster Testers
- The Webster Hardness Tester is an analog, portable, fast, accurate hardness gauge that is made in three distinct models for testing Aluminum, Brass, Copper and Mild Steel. Webster Hardness Tester will quickly identify tempers and test a variety of shapes that other testers cannot check, such as extrusions, tubing and flat stock.
www.WorldofTest.com/webster.htm



Ames Regular & Superficial
- Ames Portable Hardness Tester are Low cost Analog Rockwell Tester, that use traditional diamond indenter and ball penetrator for measuring the hardness in Rockwell Regular & Superficial scales, and come in 11 different configurations.
www.WorldofTest.com/ames.htm



King Brinell
- The most popular Brinell Hardness Tester on the market. Accurate, versatile, affordable, using traditional Brinell method, King Brinell hardness tester is the most common portable Brinell tester that meets ASTM E-110 standard.
www.WorldofTest.com/brinell.htm



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



Impressor - Barcol Hardness Tester
Barcol Impressor Hardness Tester
- Analog and Digital models, for accurate hardness measurement on aluminum, glass-reinforced plastics, duro plastics, hard thermo plastics, semifinished and finished products, according to Barcol method, these models are highly popular portable hardness testers. Compliant with the National Fire Protection Association, NFPA1932, the Barcol hardness tester is a proven device for field testing of fire ladders after being exposed to high temperatures. Available models include GYZJ series Analog BarcolImpressor Hardness Tester as well as HPE-II series Digital Barcol Hardness Tester.
www.WorldofTest.com/barcol.htm



HPE - Digital Barcol Hardness Tester

Rockwell Hardness Testers

Rockwell Regular, Superficial, TWIN Hardness Testers



HardRocker 150A

- HardRocker 150A is an entry level Basic Analog Rockwell Regular (HRC, HRB, HRA) Hardness Tester. This low cost and popular model meets your basic Rockwell testing needs.

www.WorldofTest.com/hardrocker.htm



Rocky Series

- Rocky Series Digital Rockwell Hardness Tester are low cost Rockwell hardness testing options for day-to-day accurate and simple hardness testing in the labs or workshops. Meeting and exceeding ASTM E-18 standard requirements, Rocky-series hardness testers come in two models of DR (Rockwell Regular) and DS (Rockwell Superficial).

www.WorldofTest.com/rocky.htm



QualiRock R & RS

- QualiRock Digital Hardness Tester available in Rockwell Regular, and TWIN configurations are among the most competitive versatile Rockwell hardness testers on the market. Their unique nose-mounted indenter, friction free design and dead weight system, provides long term test load stability with the advantage of being able to test on extremely restricted interior surfaces, and on shafts as small as 1mm diameter. You can test deep inside bores and tight against shoulders without a special fixture. QualiRock Hardness Tester are designed for Rockwell Regular (Model R), or Combined Rockwell Regular/Superficial testing (Model RS) to the full Rockwell scales with full compliance to ASTM E-18 and ISO 6508-2.

www.WorldofTest.com/qualirock.htm



HardRocker QR-600 Series

- Available in 6 different configurations, starting with manual load selection, up to fully motorized automatic load selection, and also available in Rockwell Regular or TWIN configurations, the QR-600 series hardness testers combine the latest modern electronics and hardness testing technologies, in an attractive and competitive package to ensure your highest accuracy requirements. QR-600 series Rockwell hardness testers offer superior GR & R results, simultaneous conversion to HV, HB and other HR scales, and full compliance to ASTM, ISO, and JIS standards. QR-600 series hardness testers are also equipped with an advanced LCD touch screen and operator panel with user-friendly menu operation in multiple languages.

www.WorldofTest.com/hardrocker.htm#650

Rockwell Hardness Testers

Rockwell Regular, Superficial, TWIN Hardness Testers



MTR EsaTest

- Advanced Motorized Hardness Tester for Hard to access areas. Most suitable for Automotive & Aerospace components, large or small samples, irregular shapes, inside bores, gear teeth in various positions, MTR Esatest hardness tester offers unique possibility to apply loads progressively and as a result with one hardness test, different hardness values conforming to the entire range of applied loads can be measured. This is extremely useful for testing of surface treated specimens, for quick evaluation of the depth of superficial treatment and possible rectification of ground parts.
www.WorldofTest.com/esatest.htm



Load-Cell Type

- Using load-cell technology, combined with automatic image analysis, LCD touch screen and built-in PC, Qualitest offers one of the most advanced Rockwell Hardness Testing systems on the market covering the full Rockwell scale (Regular/Superficial) range (15, 30, 45, 60, 100 and 150kgf). These cutting-edge technology models offer a full load range of 1-250kgf, which also allows for full range macro Vickers testing (1-120kgf), as well as Brinell testing in the load range of 1-250kgf on the same machine. Versatility, cost effectiveness and repeatability of results are key characteristics of this line, which makes them the highest technology Rockwell Universal Hardness Tester on the market.
www.WorldofTest.com/omnitest.htm



In-Line Rockwell Testers

- Whether you test steel pipes and tubing, steel plates, CNG cylinders, bottles, train wheels, camshafts, crankshafts, engine blocks or any other automotive part, Qualitest can offer an efficient, accurate and competitive system to be integrated to any production line. These In-Line systems combined with our surface preparation solutions on the same system add full automation and less operator influence to your hardness testing requirements.
www.WorldofTest.com/inline-hardness-tester.htm

Brinell Hardness Testers



King Brinell

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



HardBrineller HBE-3000A

- Load Cell type Brinell Hardness Tester for loads up to 3,000 kgf. Economical and suitable for low to medium volume testing.
www.WorldofTest.com/hbe-3000a.htm



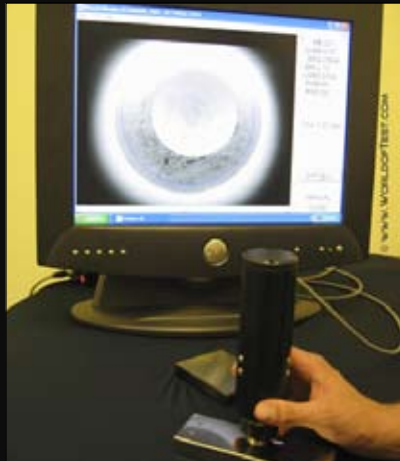
BRE-AUT Motorized

- Rugged & Top quality Floor Model Brinell Hardness Testers, Suitable for Production Environments and High Volume Testing.
www.WorldofTest.com/bre-aut.htm



Deep Reading Brinell Scope and Stage Micrometer

- Qualitest offers high quality, rugged and competitive Brinell microscopes to complement our Brinell Hardness Testing Range. Calibrated on equipment traceable to NIST standards, this Brinell microscope meets ASTM E-10 specifications. The optional stage micrometer is used to check the calibration of the Brinell Microscope.
www.WorldofTest.com/brinellmicroscope.htm



King Scan Automatic Brinell Microscope Systems

- Our cutting-edge technology in Automatic Brinell Microscope Systems, delivered as software/CCD Camera, PC or laptop/Tablet PC versions, offers the best value on the market. These user-friendly systems allow the operators to instantly measure Brinell impressions and view/record the Brinell values, store data and conveniently create test reports. With our Automatic Brinell Microscope systems operator's influence on test results and errors are minimized.
www.WorldofTest.com/kingscan.htm



Qualiscope

- Available in two economical and advanced versions, offers convenient and accurate measurement of Brinell hardness, via CCD camera and advanced software.
www.WorldofTest.com/qualiscope.htm

Brinell Hardness Testers



Used-Rebuilt Models

- We also carry Rebuilt and used Brinell Testers. These units have all new electricals, 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.
sales@qualitest-inc.com



In-Line Brinell Testers

- Whether you test steel pipes and tubing, steel plates, CNG cylinders, bottles, train wheels, camshafts, crankshafts, engine blocks or any other automotive part, Qualitest can offer an efficient, accurate and competitive system to be integrated to any production line. These In-Line systems combined with our surface preparation solutions on the same system add full automation and less operator influence to your hardness testing requirements.

www.WorldofTest.com/inline-hardness-tester.htm



Load-Cell Type

- Using load-cell technology, combined with automatic image analysis, LCD touch screen and built-in PC, Qualitest offers one of the most advanced Rockwell Hardness Testing systems on the market covering the full Rockwell scale (Regular/Superficial) range (15, 30, 45, 60, 100 and 150kgf). These cutting-edge technology models offer a full load range of 1-250kgf, which also allows for full range macro Vickers testing (1-120kgf), as well as Brinell testing in the load range of 1-250kgf on the same machine. Versatility, cost effectiveness and repeatability of results are key characteristics of this line, which makes them the highest technology Rockwell Universal Hardness Tester on the market.

www.WorldofTest.com/omnitest.htm

Micro / Vickers / Knoop Hardness Testers



Automatic Image Analysis

- Our advanced line of QV-1000 Series hardness testers are low-cost and precise testing systems suitable for hardness analysis of metallic specimens in metallography laboratories or production environments.

www.WorldofTest.com/microhardnesstester.htm



QV-430 / QV450AAT Vickers Hardness Tester

- Analogue measurement micrometer reading and easy-to-use integrated hardness calculator

www.WorldofTest.com/macro-vickers-hardness-tester.htm



QV-430 / QV-450DAT Vickers Hardness Tester

- With digital measurement microscope, large LCD display featuring statistics, limits checking and scale conversions

www.WorldofTest.com/macro-vickers-hardness-tester.htm



QV-CCD Filar Systems

Fast and easy determination of Vickers / Micro hardness on PC, featuring hardness depth graphics. Unique, user-friendly system combines the power, speed and flexibility of PC with the precision of our Vickers / Microhardness testers' series, to accommodate a full spectrum of micro hardness testing requirements. Simple test procedure, user defines simple or complex pattern for automatic positioning and indentation. The software automatically measures and records indentation size and hardness measurement. Results display includes depth versus hardness XY plotting as well as statistics and individual indent results.

www.WorldofTest.com/qv-ccd.htm



CMT Retrofit Package for Existing Micro Hardness Testers

- CMT advanced image analysis software is a flexible yet affordable software solution that enables you to acquire, measure and even analyze the results of your Vickers or Knoop hardness test. The automatic image analysis software measures the size or area of your indentation and calculates the Vickers hardness of your test piece. The CMT software will guide you while testing case depth or other test patterns and the result of your complete test can be analyzed using the software. The CMT package is also offered as an upgrade/ modernization kit for laboratories that require a package to retrofit an existing microhardness tester. Using your own PC, install easy to use CMT software, an acquisition board, and high-resolution camera.

www.WorldofTest.com/cmt.htm

Vickers / Case Depth Hardness Testers



Case Depth Hardness Tester

- New innovative HTD-Series Case Depth Hardness Tester, have revolutionized heat treat industries by offering a technology to accurately, non-destructively and within a couple of minutes, measure case depth hardness of the heat treated parts. Such advanced technology in other words minimizes the need of sample preparation in metallography labs eliminating the need and use of metallography cutters, polishers, mounting presses and most importantly the time spent to destroy and analyze the sample. The HTD-900s model can perform case depth analysis up to maximum 1.5mm below the surface. With the Heavy Duty HTD 4000 model the case depth measurement possibility has been increased to up to 2.8mm below the surface
www.WorldofTest.com/casedepth.htm



MTR EsaTest

- Advanced Motorized Hardness Tester for Hard to access areas. Most suitable for Automotive & Aerospace components, large or small samples, irregular shapes, inside bores, gear teeth in various positions, MTR Esatest hardness tester offers unique possibility to apply loads progressively and as a result with one hardness test, different hardness values conforming to the entire range of applied loads can be measured. This is extremely useful for testing of surface treated specimens, for quick evaluation of the depth of superficial treatment and possible rectification of ground parts.
www.WorldofTest.com/esatest.htm

Universal Hardness Testers



QV-700

- A low cost, dead-weight type analog universal hardness tester for reliable Rockwell, Brinell and Vickers testing with features like combined testing procedures for Rockwell, Brinell and Vickers, Conforming to DIN-EN-ISO 6506, 6507, 6508 and ASTM. Test load range of up to 187.5 kgf.

www.WorldofTest.com/qv-700.htm



OmniTest Universal Hardness Tester

- Using load-cell technology, combined with automatic image analysis, LCD touch screen and built-in PC, Qualitest offers one of the most advanced ranges of Universal Hardness Testing systems on the market covering the full Rockwell scale (Regular/Superficial) range (15, 30, 45, 60, 100 and 150kgf) as well as full load range of 1-250kgf, which also allows for full range macro Vickers testing (1-120kgf), as well as Brinell testing in the load range of 1-250kgf on the same machine. Versatility, cost effectiveness and repeatability of results are key characteristics of this line, which makes them the most cutting-edge technology Universal Hardness Tester on the market.

www.WorldofTest.com/omnitest.htm

Hardness Test Blocks, Indentors & Accessories

Rockwell, Brinell, Vickers, Microhardness, Micro, Knoop, Blocks & Indenter



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



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 Indentors that are suitable for different hardness tester makes.

www.WorldofTest.com/hardnessblocks.htm



Rockwell Testing Accessories

- Diamond Penetrators
- Ball Penetrators
- Anvils
- Other

www.WorldofTest.com/hardnessblocks.htm



Master Calibration Kits

Our Master Calibration Kits are produced to provide our customers with the ultimate tool in Quality Control. Each kit contains a test block or blocks and the actual indenter unit that was used to calibrate them. By matching specific blocks to a specific indenter, a set relationship is established, and they can be eliminated as potential variables in the hardness test system. Should a problem arise, a master kit on hand allows you to quickly and accurately determine whether your hardness tester is the source.

www.WorldofTest.com/hardnessblocks.htm

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



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



P&J Plastometer
- Popular Digital Durometer for the Printing and rubber roll manufacturing industry. Pusey & Jones scale, and also known as P&J Plastometer.
www.WorldofTest.com/puseyandjones.htm



Fruit Firmness Tester
- Non-destructive and accurate firmness Tester available in analog or digital display, suitable for hardness measurement of fruit such as apple, peaches, apricots, plums, cherries, tomatoes, strawberries, and avocados
www.WorldofTest.com/fff.htm



Impressor - Barcol Hardness Tester
Barcol Impressor Hardness Tester
- Analog and Digital models, for accurate hardness measurement on aluminum, glass-reinforced plastics, duro plastics, hard thermo plastics, semifinished and finished products, according to Barcol method, these models are highly popular portable hardness testers. Compliant with the National Fire Protection Association, NFPA1932, the Barcol hardness tester is a proven device for field testing of fire ladders after being exposed to high temperatures. Available models include GYZJ series Analog Barcol Impressor Hardness Tester as well as HPE-II series Digital Barcol Hardness Tester.
www.WorldofTest.com/barcol.htm



HPE - Digital Barcol Hardness Tester

Durometers / IRHD Hardness Tester Range

For Rubber, Plastics and Other Elastomers

Benchtop Models



DigiTest Automatic Motorized

- DigiTest, known to be the most modular, flexible, accurate and state-of-the-art durometer/IRHD hardness tester on the market, is the best of polymer materials hardness testing, combined in one system. DigiTest can be upgraded at any time with any of durometer or IRHD scale test heads and totally eliminates operator's influence on test results. This intelligent system is the ideal durometer solution for any research labs or universities.

www.WorldofTest.com/digitest.htm



IRHD Compact Hardness Tester

- The latest generation of this popular IRHD Micro Hardness Tester line has more convenient and user-friendly operation. Accurate IRHD Micro hardness measurement of soft elastomers such as O-rings, seals and gaskets, with thickness down to 0.6mm, is guaranteed.

IRHD Micro Compact III offers new advantages, with an excellent price/quality ratio. Testing of O-rings, molder samples with irregular shapes, seals, etc. are ideal applications for this model. A quick center lever allows quick and precise positioning of the samples and the measuring head comes with integrated display and keypad for ease of use. IRHD Micro Compact III comes with standard RS-232 data interface as well as exchangeable indenters.

www.WorldofTest.com/irhdmicrocompact.htm



O-Ring Automat

- As a dedicated variation of our popular DigiTest system, O-Ring Automat is the ideal solution for mid to high volume hardness testing of O-rings. With every batch, 50 up to 100 O-rings can be tested in-line automatically and precisely, while the results can be sent to our data analysis software, Hardtest. At the end of the measurement the analyzed O-Rings are selected as GOOD or BAD.

www.WorldofTest.com/oringautomat.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
- Drop Weight Tear Impact Tester
- Automatic Strain Measurement & FLC Analysis
- Spectroscopy Products (UV / VIS, FTIR, AAS)
- Physical Sample Preparation Equipment (Tensile/Impact, etc.)
- Metallography Equipment / Metallurgical Microscopes
- Surface Roughness Testers
- Thickness Gauges
- Profile Projectors
- XRF Metal Analyzers
- Extensive Range of Plastics & Rubber Testing Equipment

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www.WorldofTest.com

Qualitest Locations:

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 California

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Mexico: Mexico City

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Asia: Hong Kong