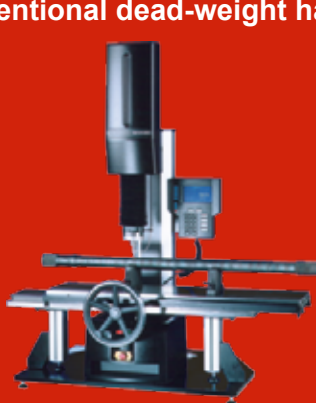


Original Wilson USA Rockwell testers

The Rockwell 2000 series hardness tester uses a unique closed-loop electronic control system and load cell mounted directly on the indenter (U.S Patent No. 5,616,857) to eliminate errors. This ensures that preliminary and total forces are applied with unparalleled accuracy and repeatability, from day to day, operator to operator and tester to tester.

The 2000 series uses optical linear measurement technology to achieve the highest level of depth measurement accuracy and resolution available. There are no mechanical linkages or sources of friction between this measuring device and the tested part. This is a major improvement over conventional dead-weight hardness testers.



TECHNICAL SPECIFICATIONS

Model	2000-R	2000-S	2000-T
Rockwell scales	A, B, C, D, E, F, G, H, K, L, M, P, R, S & V	15N,30N,45N,15T,30T,45T 15W,30W,45W,15X,30X, 45X, 15Y,30Y,45Y	A, B, C, D, E, F, G, H, K, L, M, P, R, S & V 15N,30N,45N,15T,30T,45T 15W,30W,45W,15X,30X, 45X, 15Y,30Y,45Y
Test loads	60kg, 100kg, 150kg [10kg pre-load]	15kg, 30kg, 45kg [3kg pre-load]	15kg,30kg,45kg,60kg,100kg,150kg [3kg and 10kg pre-load]
Test force selection	Automatic		
Test force application	Automatic (loading/dwell/unloading)		
Test force type	Closed-loop electronic load cell		
Load duration (Dwell time)	3 to 99 sec		
Accuracy Conform to	EN-ISO 6508, ASTM E-18 and JIS		
GR&R performance	<5%		
Hardness resolution	0,1 or 0,01 of a Rockwell unit		
Testing height			
Size 1 (2001)	153mm (6.0")		
Size 2 (2002)	255mm (10.0")		
Size 3 (2003)	355mm (14.0"), minimum height 203mm		
Statistics	No. of tests, average, S.dev., range, real time after each test, Histogram		
Data Output	Built-in printer (values & statistics), RS232 serial		
Conversion:	Vickers, Brinell, Tensile, Rockwell, Superficial Rockwell		
Enhanced panel Memory	20 test programs and 20,000 hardness values		
Light source	Flexible fiber optic		
Depth from the centerline	216mm (8.5")		
Anvil	Flat anvil O 63mm		
Specimen access	External surfaces, Cylindrical specimens down to 3 mm diameter		
Operating temperature	Range: 10 to 38°C (50 to 100F)		
Humidity	10% to 90% non condensing		
Dimensions (LxWxH)			
Size 1 (2001)	590mm x 343mm x 1029mm and 100kg (220lb)		
Size 2 (2002)	590mm x 343mm x 1232mm and 107kg (236lb)		
Size 3 (2003)	590mm x 554mm x 1341mm and 111kg (245lb)		
Power supply	100, 110, 220 or 240 VAC ±10%, 47 to 63 Hz. Single phase		

Original Wilson USA Rockwell testers

The Rockwell RB2000 series hardness testers provide the user with the advantage of selecting and ordering a configured system specific to your testing needs. The modular ordering system of the RB2000 provides complete flexibility in choosing instrument size, scales and components such as indenters, test blocks and anvils.

- ASTM and ISO compliant, closed-loop control insures unmatched test accuracy and repeatability
- Guaranteed GR&R (Gage Repeatability and Reproducibility) of 5% or less
- Encoder based, high precision, optical displacement measurement system
- Intuitive, bright and crisp display/control panel
- Logical menu drive system with soft keys and user friendly operation
- Large clear fluorescent back-lit display with status icons that indicate indenter type, scale, conversion, cylindrical correction and tolerances
- Meets or exceeds current versions of ASTM E 18, DIN, EN, ISO 6508-1 and other standards
- 2000 series main unit size 1, 2 or 3
- Regular, Superficial or Twin
- Diamond and/or Ball indenters
- Test blocks in selectable scale and hardness
- Wide range of test tables, anvils and fixtures
- Control (SPC) software
- Power supply adapted to your region.
- Various printers
- Enhanced operator panel provides reports and statistics
- User programmable storage (up to 20,000 hardnes values)

Check with your WOLPERT agent for specified packages included with the hardness tester as standard delivery.

**Check latest accessories update on:
www.wolpertgroup.com**



**Also available: 2000MRT
Micro Rockwell tester**



New indenter snap grip eliminates traditional gripsel, provides increased repeatability by eliminating side loading of the indenter