

# Mikrosize®

## uRocky-150CM

Touch Screen Digital  
Carbon Brush Hardness Tester



### Contact us

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## Product Features and Application

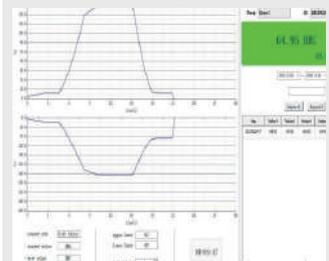
### Product Features



● This machine uses electronic loading test forces instead of weights, enhancing the accuracy of force values and ensuring more stable measurements.



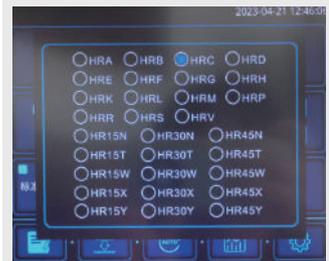
● An 8-inch touch-screen for operation and display, offering a user-friendly interface to complete instrument settings.



● Bluetooth connection to the computer allows for data analysis and management through dedicated hardness software.



● Powerful data processing capabilities allow for the calculation and analysis of maximum, minimum, average values, and more.



● Touch screen selection for various Rockwell hardness scales, with the ability to convert between multiple hardness scales such as HV, HB, etc.



● The operation interface is simple, with user-friendly parameter settings. The main unit independently stores up to 500 sets of data.



● Comply with the latest ISO, ASTM, GB standards for scale conversion.



● The initial load holding time and loading time can be freely set, along with functions such as hardness value correction.

### Product Application

- Measures the Rockwell hardness of carbon brushes and electrocarbon products.
- Especially suitable for precise measurement on parallel surfaces, and provides stable and reliable measurements on curved surfaces.



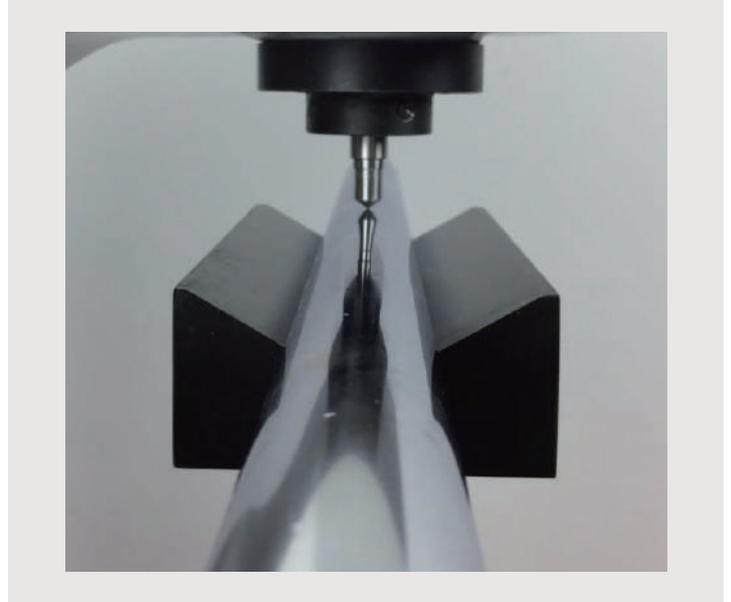
## Technical Parameters

Test Force	20、 40、 60、 100 KGF
Testing Range	30-110HR
Indentation Head Types	2.5mm, 5mm, 10mm (diameter)
Testing Space	Max Test Height: 230mm Test Throat: 170mm
Test Force Application Method	Main initial test force: Automatic (loading, holding, and unloading are fully automated)
Testing Scale	HRA,HRBHRC,HRD,HRE,HRF,HRG,HRH,HRK, HRL,HRM,HRP,HRR,HRS,HRV
Conversion Scale	HRA,HRB,HRC,HRD,HRF,HV,HK,HBW,HBS,HR15N,HR30N, HR15TW,HR30TW,HR45TW
Hardness Value Display Method	8-inch touchscreen display (computer display optional)
Hardness Resolution	0.1HR
Power Supply	AC 220, 50/60 Hz
Executive Standard	DIN 51917-2002 Carbon material inspection hardness test JBT 8133.3-2013 Test methods for physical and chemical properties of electric carbon products

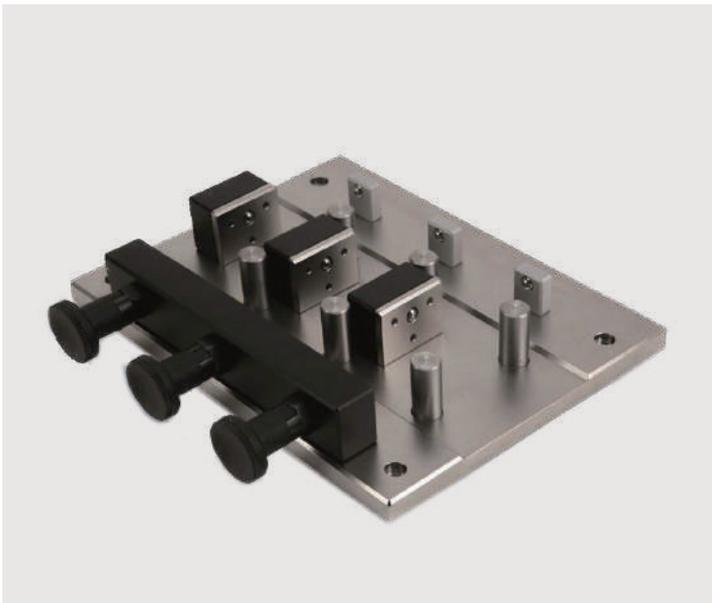
## Technical Parameters



**Large Flat Worktable**



**Customized Large V-shaped Worktable.**



**Customized End-quench Worktable.**



**Customized Irregular-shaped Worktable.**



## Packing List

Name	Qty
Machine Mainframe	1 unit
Φ1.588mm Ball Indenter	1pc
Φ60mm Test Platform	1pc
Rockwell Hardness Block 88-95HRB	1pc
Wrench	2pcs
Printer	1pc
Dust Cover	1pc
2.5mm, 5mm, 10mm Steel Ball Indenter	1 pc for each
Φ150mm Test Platform	1pc
Φ40mm V-shape Test Platform	1pc
Power Adapter	1pc
Power Cord	1pc
Instruction Manual	1copy
Product Certificate, Warranty Card	1 copy for each