



Main Features

- Equipped with **Brinell, Rockwell, and Vickers** test methods
- **8-inch touch-screen interface** for easy operation
- **Closed-loop system** with high-accuracy load cell – **no need for installation of weights**
- Automatic hardness conversion according to **GB / ASTM** standards
- **Automatic Rockwell curvature correction** for curved surfaces
- **Inbuilt printer** to directly print test data
- **One-time cast machine body** ensures a sturdy and durable structure
- **Car painting technology** for a sleek and attractive appearance
- **Modular design** allows for easy maintenance and serviceability

Technical Specifications:

Scales Supported:

- **Brinell Scale:** HBW1/5, HBW1/10, HBW1/30, HBW2.5/6.25, HBW2.5/15.625, HBW2.5/31.25, HBW2.5/62.5, HBW2.5/187.5, HBW5/62.5, HBW5/125, HBW5/250, HBW10/100
- **Rockwell Scales:** HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
- **Superficial Rockwell:** HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y, HR15W, HR30W, HR45W
- **Vickers Scale:** HV5, HV10, HV20, HV30, HV40, HV50, HV60, HV80, HV100, HV120

Test Force:

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- **Brinell:** 5kgf(49N) – 187.5kgf(1837.5N)
- **Rockwell:** 60kgf(588N), 100kgf(980N), 150kgf(1471N)
- **Superficial Rockwell:** 15 / 30 / 45kgf; Initial: 3kgf(29.42N)
- **Vickers:** 5kgf(49N) – 120kgf(1176N)
- **Initial Test Force:** 10kgf(98N)

Accuracy:

- Force Error: < 0.5%
- Holding Time: 0–99s
- Hardness Resolution: 0.1HR, 0.1HBW, 0.1HV

Sample Size (Test Space):

- Vertical (Max Height): 180mm (Rockwell), 165mm (Vickers/Brinell)
- Horizontal (Throat Depth): 160mm

Magnification:

- Eyepiece: 15X
- Objective Lenses:
 - 2.5X, 5X (Brinell)
 - 5X, 10X (Vickers)
- Total: 37.5X, 75X, 150X

Display & Output:

- Touchscreen LCD display
- Built-in printer
- RS232 communication port

Power Supply:

- AC220V, 50–60Hz

Compliance Standards:

- ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2
- ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
- ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2

Dimensions & Weight:

- Machine Size: 540 × 340 × 800 mm (Approx)
- Packing Size: 761 × 580 × 940 mm (Approx)
- Net Weight: 80 kg (Approx)
- Gross Weight: 130 kg (Approx)

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