



Die Maschine

Rockwell hardness tester



Lab Series



Technology



Play



This model has been developed to perform tests using the Rockwell scale (with loads of 60, 100 and 150 kp), and the Rockwell superficial scale (loads of 15, 30 and 45 kp), but can also apply additional loads for other tests, such as Brinell or Vickers. It is comprised of a motorised frame, which includes the load application systems (which employ a computer controlled force transducer).

The indentation depth is measured using by a sensor with a resolution of 0.1 microns (0.0001 mm).

The Rockwell system is used to test parts made of metal, plastic, rubber, etc.



The Rockwell indenter can move horizontally and vertically to test different points on large parts.

Characteristics

Preload kgf	3 and 10
Rockwell superficial scale loads kgf	15, 30 and 45
Rockwell scale loads kgf	60, 100 and 150
Other loads (Brinell) kgf	31.25, 62.5, 125, 187.5, 250
Vickers loads kgf	3, 5, 10, 20, 30, 60 and 100
Load application rate	Automatically adjusted
Test load selection	Via touch screen
Load cell mm	HBM® (international leader in this technology)
Vertical capacity mm	650
Space between columns mm	900
Dimensions mm	1440 x 1160 x 1720

Read-out system	Touch screen with microprocessor (Hoytom)
	Direct read-out on 15" touch screen
	Statistical calculations (median, deviation, travel, etc.)
	Results in database (.mdb)

Included accessories:

- 120° diamond cone Rockwell indenter.
- 1/16" hard metal ball Rockwell indenter.
- 2.5 and 5 mm diameter hard metal ball Brinell indenter.
- Hard metal balls (spare) in each of the aforementioned diameters.
- Templates for Rockwell (HRC, HRBW).
- Height adjustable support table.
- Support tables with horizontal support for flat pieces (Ø50 mm y Ø10 mm).
- Support tables with V-shaped support for cylindrical pieces.
- Instruction manual.



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