



Die Maschine

Rockwell hardness tester

CiHo
SRD

Lab Series



Technology



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.



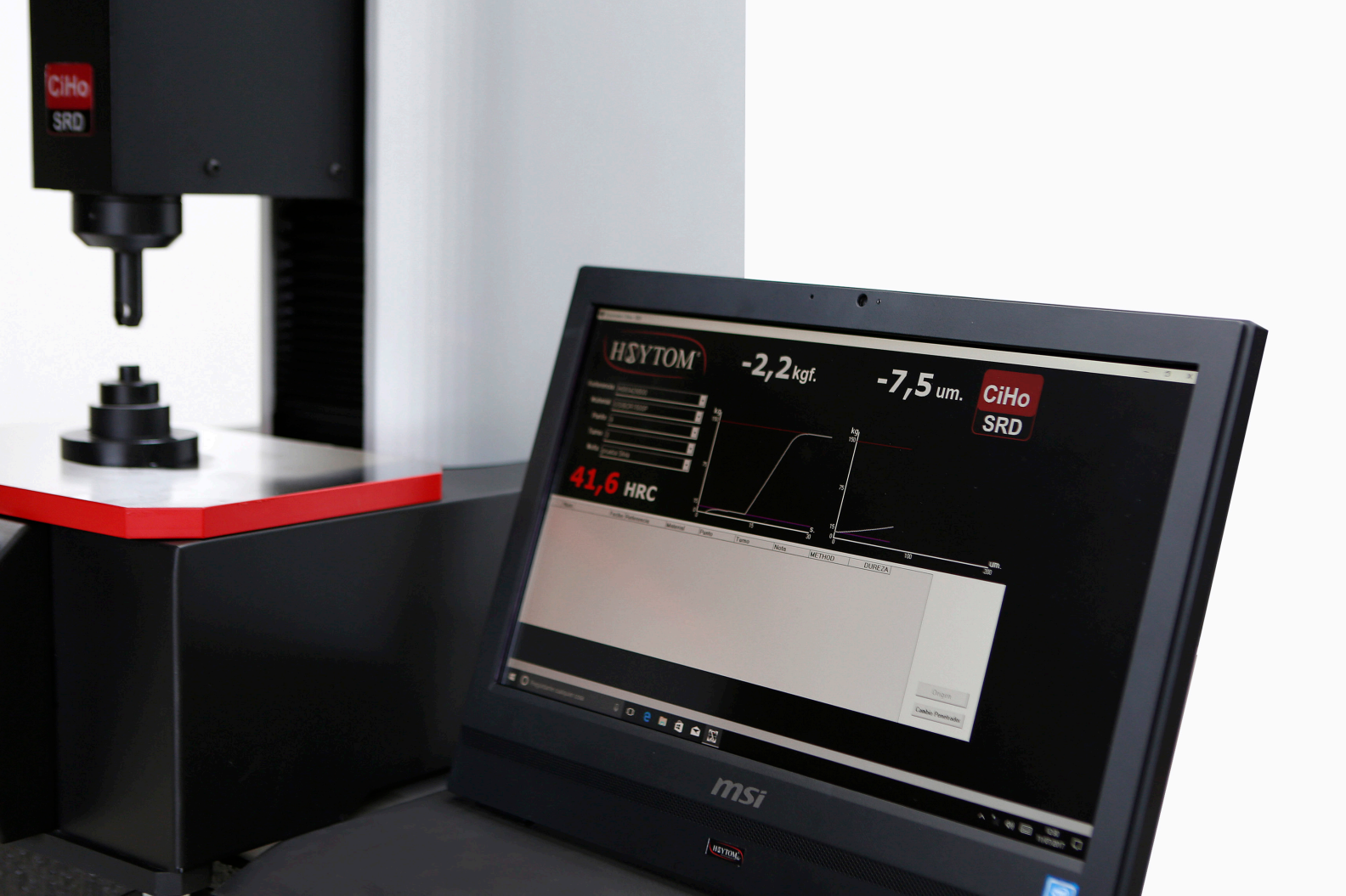
Characteristics

Preload <small>kgf</small>	3 and 10
Rockwell superficial scale loads <small>kgf</small>	15, 30 and 45
Rockwell scale loads <small>kgf</small>	60, 100 and 150
Other loads (Brinell) <small>kgf</small>	31.25, 62.5, 125, 187.5, 250
Vickers loads <small>kgf</small>	3, 5, 10, 20, 30, 60 and 100
Load application rate	Automatically adjusted
Test load selection	Via touch screen
Load cell <small>mm</small>	HBM® (international leader in this technology)
Vertical capacity <small>mm</small>	300
Goose neck (horizontal) <small>mm</small>	175
Dimensions <small>mm</small>	530 x 250 x 800

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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