

AUTOMATED ROCKWELL HARDNESS TESTER ROCKWELLmodul

STANDARDS

ASTM E18, DIN EN ISO 6508

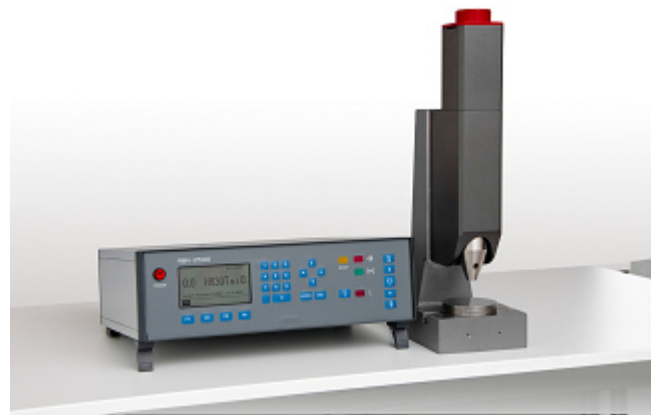
The hardness testing machines are designed for production support and 100%-Checks for higher quantities. Owing to the new design you are able to integrate it into production plants without any problems.

Every machine consist of the hardness test module and a separated control unit, which can be built into an electric cabinet.

Versions for every Rockwell-procedure are part of the program.

The Brinell-machines use a modified procedure to scale the penetration, since the optical measuring of the indentation isn't useful in a fast, automated testing. The test load is regulated and scaled steadily during the load application. The result is a high accuracy with a fast measuring speed.

The test cycle will be triggered over the Start-input, after the test object is positioned. The standardized test cycles lasts approx. 20 Sec. When the test is completed, the Ready-output signalizes, that the test object can be removed. The test result will be evaluated according to the adjusted borders and the switched outputs are set. The hardness value can be requested over USB, RS232 Interface or TCP/IP-LAN



FEATURES

- Fully automated hardness testing
- Rockwell, Super-Rockwell and Brinell (HBT)
- According to DIN EN ISO 6508 and ASTM E18
- Control over SPS (incl. GOOD/BAD rating)
- Implementable in production plants
- Very flexible mounting options



TECHNICAL PARAMETER

Item	Parameter
Hardness scale	Rockwell and Super-Rockwell-Procedure, others on request
Test load (Rockwell)	Selectable from 15-150 kg
Hardness resolution	0,1 HRC
Lifting	20 mm
Test cycle	Approx. 20 Sec.
Power supply	85-264 V / AC
Dimensions	75 mm x 120 mm x 420 mm
Installation	Tapped holes on the back side
Control unit	19"-Case, 3 HE
Connection to SPS	Switch-output, (potential-free)
Interface	USB, RS232, Ethernet
Display	Color-LCD

DELIVERY SCOPE

- Rockwell-Module
- Control box
- Power cable
- Manual