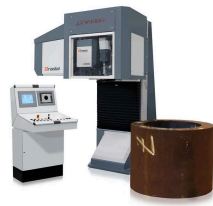




FULLY AUTOMATIC HARDNESS TESTING PLANT WITH TEST POINT PREPARATION

**PRODUCT
ADVANTAGES**

- | Standardized Brinell- and Rockwell methods acc. to EN ISO and ASTM
- | Fully automatic hardness testing cycle
- | Fully automatic image analysis with brightness control
- | Can be used as an inline solution in heavy machine construction
- | Fully automatic test point preparation
- | Exact milling depth settings



Basic position



Loading and unloading position



Milling and hardness testing position

TEST METHODS VARIANTS

TEST METHODS & LOAD APPLICATION

60 kg

3000 kg



Brinell

DIN EN ISO 6506, ASTM E-10

HBW 5/750

HBW 10/3000



Rockwell

DIN EN ISO 6508, ASTM E-18

HRC

Integrated conversions: DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140



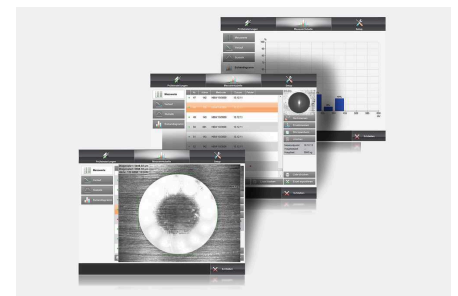
A STRONG PARTNERSHIP

- | Advantages for the customer:
All-in-one supplier - "all from one source"
- | long standing experience in automation
- | long standing experience in hardness testing
- | fitted complete solutions - short cycle times
- | solution finding with customer
- | increased efficiency
- | professional service
- | made in Austria



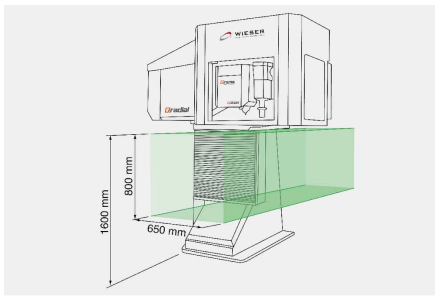
APPLICATION AREA

Industry: smithies, roller plants, tube rolling mills, foundries, hardening shops, stainless steel, automotive, railway, energy, steel, aviation
Workpieces: rings, bars, tires, wheels, castings, open die forgings, plates, sheets, steel bottles, motor blocks, rails



PROFESSIONAL DATA MANAGEMENT

- | Numerous statistic functions: bar graph, progression, histogram
- | Exporting of measurement value list as "Excel" (CSV)
- | A4 test protocol as PDF / direct print-out
- | Data storage on USB stick
- | Data link to ERP system and databases
- | Order registration
- | Target value transfer
- | Actual value transfer



BIG TEST ROOM CONCEPT

- | latest technology, innovative design
- | test room for transport and magazine catch developable
- | for loading the work pieces from above the test unit moves out of the feeding zone
- | work piece loading possible from 5 sides
- | test room max. height 1600 mm vertical path 800 mm throat depth 650 mm



CONTROL SOFTWARE QPIX T12

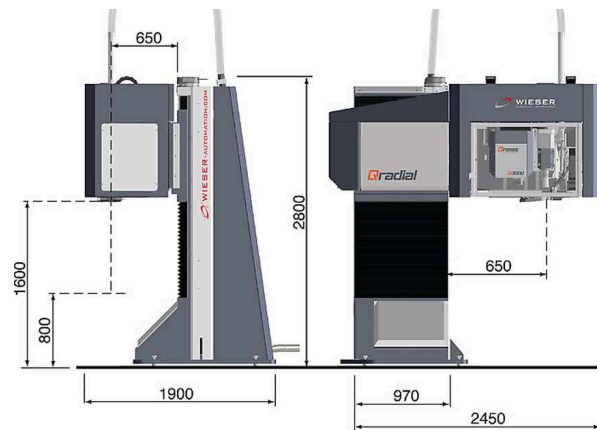
- | Siemens S7-control
- | Joystick for manual axis movement
- | execution acc. to European CE-directive
- | all axis servo controlled
- | ringlight in bright- and dark field process
- | quick auto focus
- | possibility for manual 2nd test
- | 12" touch screen display
- | Windows 7 integrated



OPTIONS

- | Marking via pin marker
- | Milling chip extraction
- | Qdas link
- | ERP link
- | Upgradeable as inline-solution with conveyor
- | Ultrasonic testing, VP testing (spectral analysis)
- | Integrated workpiece measuring systems
- | Handling manipulators
- | Adjustable inspection height
- | Multiple inspection points with average values
- | Test point can be defined via light point

QRADIAL TECHNICAL DATA



Test load range	60 - 3000 kg (589 - 29430 N)
Test methods acc. to standards	HBW5/750, HBW10/3000, HRC
Max. test width	1100 mm
Test height / path	1600 mm / 800 mm
Throat depth	650 mm
Data interface	3x USB, 1x RS232, 1x RJ45 (Ethernet)
Weight of basic machine	4800 kg
Machine dimensions	(LxBxH) 2500 x 1900 x 2800 mm

www.qatm.com/radial

ORDER DATA