

BAQ

Automation and quality assurance in material testing

- stationary and portable hardness testers
- devices for testing layer thickness
- abrasion resistance
- scratching resistance
- coating adhesion strength
- optimized solutions for special requirements
- cooperation with the Fraunhofer Institute



alphaDUR II

UCI Hardness Tester



- UCI (Ultrasonic Contact Impedance) measuring method
- mobile hardness testing of miscellaneous materials
- Different probes available (1kg, 2kg, 3kg, 5kg, 10kg)
- measurements can be automated
- huge data storage capacity
- comprehensive range of accessories available
- individual material calibrations can be done and saved
- high measuring accuracy



Hardness testing



alphaDUR mini

UCI Hardness Tester

- UCI (Ultrasonic Contact Impedance) measuring method
- Different probes available (1kg, 2kg, 3kg, 5kg, 10kg)
- mobile hardness testing of miscellaneous materials
- huge data storage capacity
- Robust metal casing
- comprehensive range of accessories available
- individual material calibrations can be done and saved
- high measuring accuracy
- Vickers hardness can be converted to Rockwell, Brinell, or tensile strength



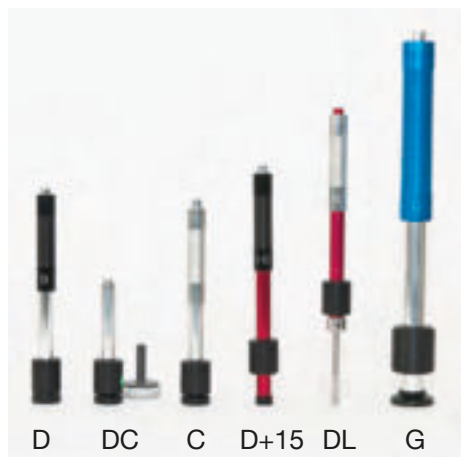
Hardness testing



dynaROCK II

universal rebound hardness tester

- Fast and easy hardness testing
- Measuring method according to DIN 50156 and ASTM A956
- Robust metal casing
- Large colour display
- Embedded Li-ion battery
- Extensive storage and statistical functions
- USB interface and PC software



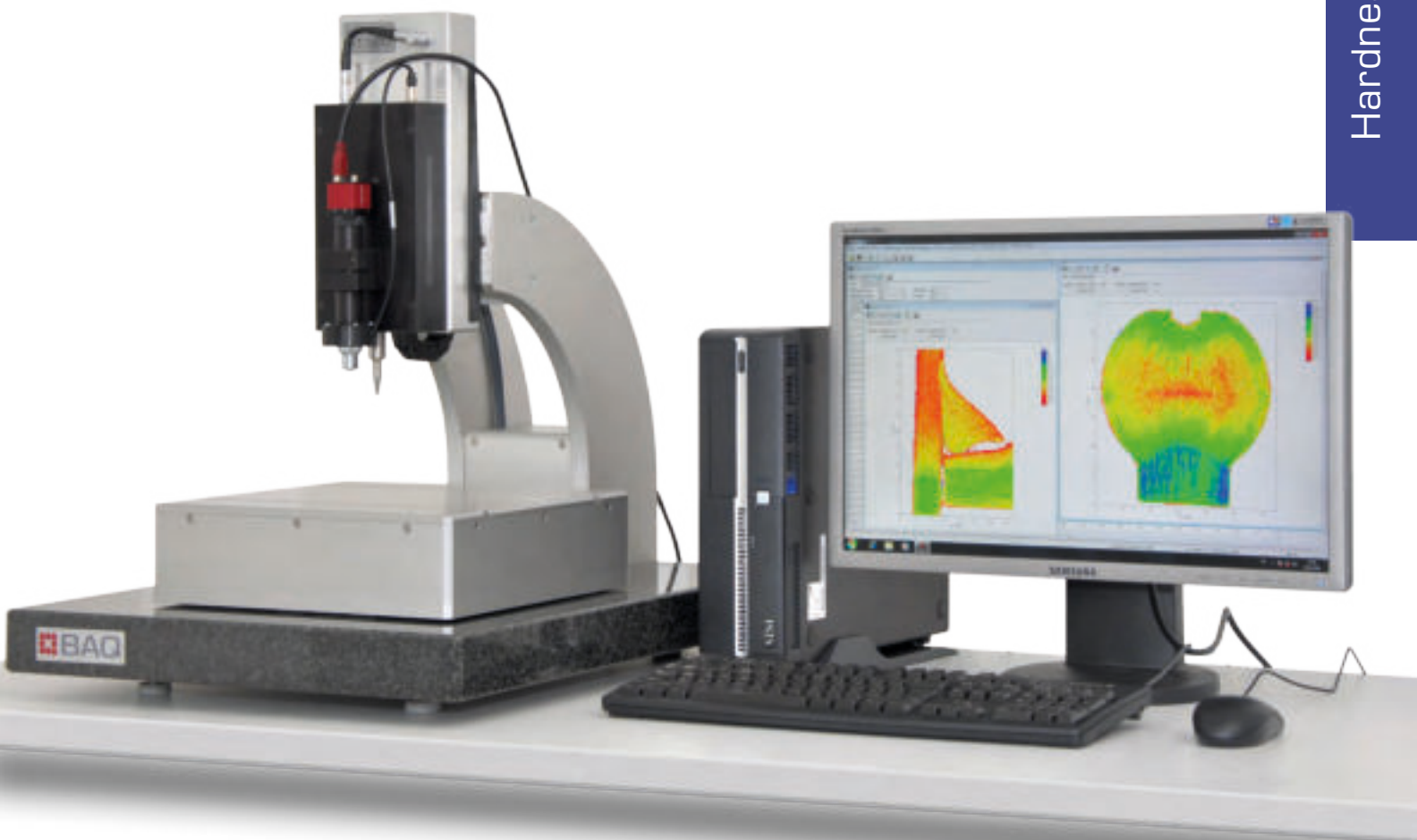
Hardness testing



UT 200

UCI hardness scanner

- Fully automated hardness testing
- Hardness Scans on surfaces
- Linescans
- EHT, RHT, NHT
- UCI (Ultrasonic Contact Impedance) measuring method
- Batch Testings
- Various options available



Hardness testing



ROCKWELLmodul

automatic hardness testing in production

- fully automatic hardness testing
- Rockwell, Super-Rockwell and Brinell (HBT)
- corresponds to DIN EN ISO 6508 and ASTM E18
- control via PLC (pass / fail rating)
- can be integrated in production lines
- very flexible mounting options



Hardness testing

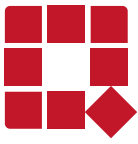


Rockwell

Bench Hardness Tester

- Large working space accommodates larger specimen
- Rugged construction, excellent stiffness
- Large touch screen (digital model)
- Accuracy conform EN-ISO 6508 und ASTM E-18, GB/T230.2

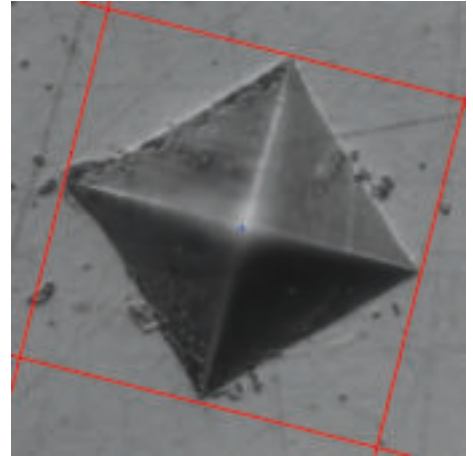




Vickers & Micro Vickers

Bench Hardness Tester

- Fully automated load control
- Large touch-screen
- Two optical paths
- Auto-turret



Hardness testing



SHOREanalog

SHOREdigital

compact durometers for Shore hardness testing

general features:

- sturdy housing made of anodized aluminium
- usable in any direction
- corresponds with DIN 53505 and ASTM D 2240 standards
- measuring stand as an option

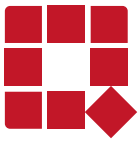
analog instrument:

- watch glass resistant to scratches and discoloration
- maximum indicator through drag indicator

digital instrument:

- memory for 100 values
- variable hold time





kaloMAX II

kaloMAX NT S3

Spherical cap grinder kaloMAX (Calotester)
for the determination of layer thickness

- Measurement of single layer and layer systems
- Measurement independent of the material
- Comfortable operation
- Precise measurement without calibration
- Video camera system with microscope and software (optional)





kaloMAX NT II

Spherical cap grinder kaloMAX NT II (Calotester)
for the determination of wear coefficients

- Reproducible measurement of wear and scratching resistance
- Measurement of layer thickness
- For quality assurance and coating development
- Suitable for hard coatings, lacquers, plastic coatings
- Video camera system with microscope and software (optional)



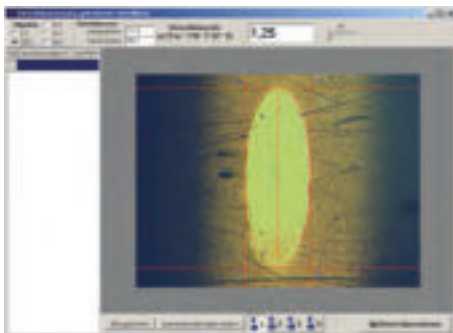
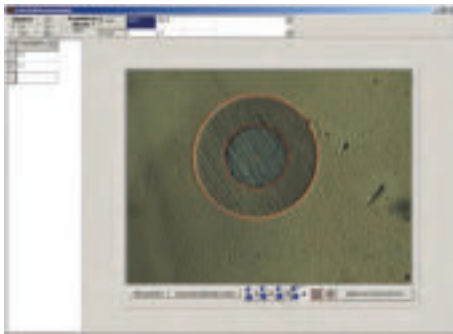
coating analysis



Analysis and Evaluation

Complete analysis and evaluation system for calotesters

- Consistent system of microscope, camera, and software
- Measurement on flat or cylindrical surfaces
 - of layer thickness
 - of coating adhesion
 - of wear resistance
- Data management
- Protocol printing



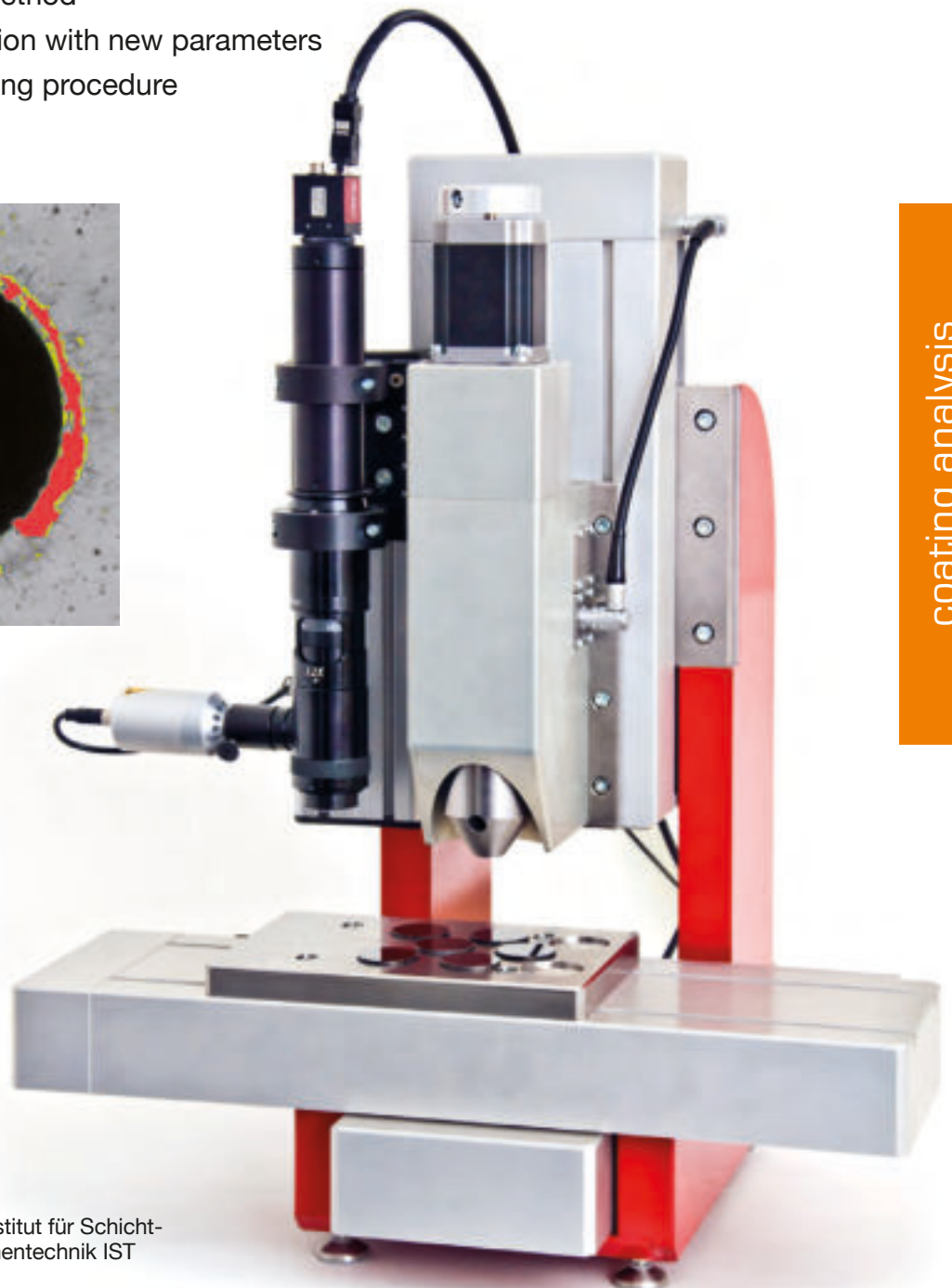
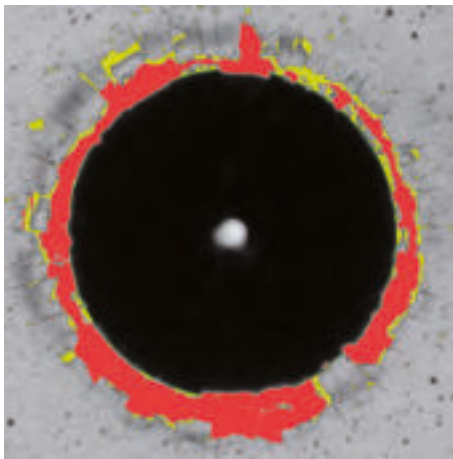
coating analysis



coating adhesion

Coating adhesion test console

- Measurement according to guideline VDI 3198
- Objective, quantitative determination of coating adhesion
- Rockwell HRC test method
- Advanced classification with new parameters
- Fully automated testing procedure



coating analysis

**BAQ**

Automation and quality assurance in material testing

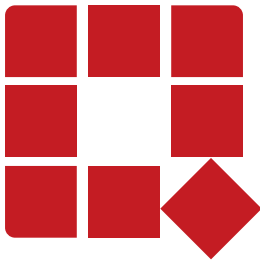
BAQ GmbH is operating in the field of material testing since 1992.

The product range covers stationary and portable hardness testers (Vickers, Rockwell, Brinell, Shore, impact hardness and ultrasonic contact impedance (UCI) method) as well as devices for testing layer thickness, abrasion resistance, scratching resistance and coating adhesion strength.

These devices are used in all areas of material testing, e.g. inspection of incoming goods, production, research and development.

More than 20 years of experience and continuous cooperation with the Fraunhofer Institute for Surface Engineering and Thin Films and others as well as in-house development and production in Germany guarantee good quality and optimal service.

BAQ also offers optimized solutions for special requirements.

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