

Qness 150 CS^{ECT}

A RELIABLE PARTNER

UNMATCHED SIMPLICITY IN
ROCKWELL HARDNESS TESTING



THE PERFECT INTRODUCTION TO
ROCKWELL HARDNESS TESTING

AT HOME EVERYWHERE: FOR INCOMING GOODS, WORKSHOPS, LABORATORIES AND SERIAL PRODUCTION

LED TEST SPACE LIGHTING Built-in LED workspace lighting simplifies the precise positioning of the test piece, thus enhancing operating convenience.



AFFORDABLE PRICING

SOPHISTICATED CONSTRUCTION, ULTRA-SIMPLE OPERATION



COMPACT DESIGN - LATEST TECHNOLOGY

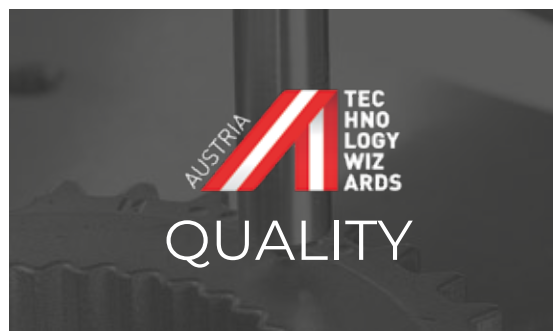
Modern features provided as standard:

- I Controlled force application (1 kg to 250 kg)
- I Direct depth-gauge system (0.05 μm resolution)
- I Robust welded steel frame and sheet-steel covers
- I 7" color touchscreen operation with Qpix TE software
- I Digital data delivery via USB interface



TEST TABLE HEIGHT ADJUSTMENT

Via stable, ultra-precise roller-bearing spindle guide. Solid, no-maintenance structure. All devices are available with a $\varnothing$ 25 mm table mount (optional $\frac{3}{4}$ " adapter available) facilitating the use of a wide range of test tables and devices.



MADE IN AUSTRIA

Unmatched in its class! We know how important a long-serving superior-quality device can be and guarantee excellent quality from our Qness 150 CS ECO series. Developed and manufactured in Austria!

SUPPORTED TEST METHODS



ROCKWELL

DIN EN ISO 6508, ASTM E-18

HRA	HRB	HRC	HRD	HRE	HRF
HRG	HRH	HRK	HRL	HRM	HRP
HRR	HRS	HRV	HR 15-N/T/W/X/Y		
HR 30-N/T/W/X/Y			HR 45-N/T/W/X/Y		



BRINELL

HBT (not acc. to standards)



VICKERS

HVT (not acc. to standards)



PLASTICS TESTING

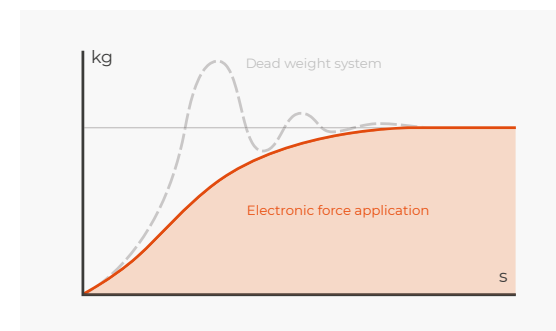
DIN EN ISO 2039

49.03 N	132.9 N	357.9 N	961 N
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CONVERSION

DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140



FULLY AUTOMATED TEST CYCLE

Electronic force application and closed-loop control

MAXIMUM QATM-STANDARD
PRECISION

NORM- COMPLIANT WITH A DIRECT DEPTH-GAUGING SYSTEM

QATM configures the Qness 150 CS ECO with a direct, ultra-precise HEIDENHAIN depth-gauging system, positioned exactly on the axis of the indenter. This prevents measurement inaccuracies caused by deformation in the system.

Another unbeatable benefit: Indenting depth can be gauged directly and can be easily calibrated in accordance with the latest Rockwell norms.



SOPHISTICATED OPERATION

INTUITIVE FEATURES AND OPERATION



REMOVABLE DOWNHOLDER

No need for long retooling breaks due to inaccessible test points. The clamping head can be removed via 2 screws. Now, even test points in hard-to-reach contours can be accessed with ease.



START BUTTON

Start button at the front of the tester ensures a simple and rapid start to hardness testing (particularly when wearing gloves), and there's also touchscreen control.



DIGITAL DATA EXPORT

Test results and all related information can be transferred to other data storage mediums via the USB port at the side.



OPERATION DISPLAY AND QPIX TE SOFTWARE

QATM has developed a 7" color display with a robust sheet steel frame for the Qness 150 CS ECO. The display uses capacitive-touch technology and has been optimized to guarantee operational precision and rapid reaction times.

The new Qpix TE software guarantees simple operation with larger buttons and a more modern and intuitive software interface.

Features:

- | Extra-large, clearly-visible presentation of test results
- | High-/low-quality evaluation of results featured in green and red according to the tolerance levels set
- | Test results list for 999 values
- | Statistics overview (min/max/range/cp/cpk/average)
- | Conversions
- | Surface corrections
- | Simple test method changeover
- | Wide range of operating languages
- | Password protected area for expanded range of settings

READY-TO-USE

COMPLETE PACKAGE

QNESS 150 CS ECO HARDNESS TESTING DEVICE

- | DAKKS & ASTM-conformant Rockwell indenter included
- | Hardened test anvil

ADVANTAGES

- | Rapid delivery
- | Factory-calibrated

INDIVIDUAL OPTIONS

- | Test blocks
- | Additional indenters
- | Machine pedestal
- | Clamping devices from the comprehensive QATM accessories program
- | Customer-specific clamping mechanisms



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Test force range	1 - 250 kg (9.81 - 2452 N)
Height adjustment	manual / spindle
Test height	250 mm
Throat depth	157 mm
Test table	Ø 100 mm
Max. workpiece weight	100 kg
Weight of basic device	77 kg
Test sequence	fully automated / electronic force application
Software	Qpix TE
Display	7" capacitive touch (color)
Ports	1x USB
Options	Additional indenters, hardness test blocks, machine pedestal, prisms



QNESS 150 CS ECO PEDESTAL

No suitable table in the testing area? No problem! The Qness 150 CS ECO matches perfectly with the machine's optional pedestal. The superior-quality subframe is color-matched to the hardness testing device. The machine pedestal includes a spacious, lockable compartment in which to store accessories. Beechwood (40 mm thick) with a spindle bore.

Dimensions: B 750 x T 700 x H 840 mm

Max. surface load 1250 kg

ONLINE PRODUCT-CONFIGURATOR

For more equipment and accessories go to the online product configurator at www.qatm.com



Online konfigurátor ›



ATM Qness GmbH

Emil-Reinert-Str. 2
57636 Mammelzen
Germany

Phone: +49 2681 9539 0
Fax: +49 2681 9539 27



ATM Qness GmbH

Reitbauernweg 26
5440 Golling
Austria

Phone: +43 6244 34393
Fax: +43 6244 34393 30



info@qatm.com www.qatm.com



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