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HARDNESS TESTING SOFTWARE

QPIX CONTROL2

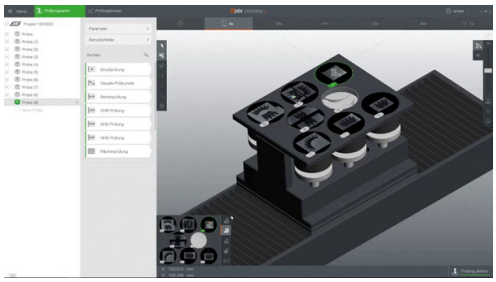
qatm.com/products/hardness-testing/software/qpix-control2/

QPIX CONTROL2

HARDNESS TESTING SOFTWARE

Qpix Control2 heralds a new generation of hardness testing software. It has been developed based on customer input and feedback to guarantee maximum user-friendliness.

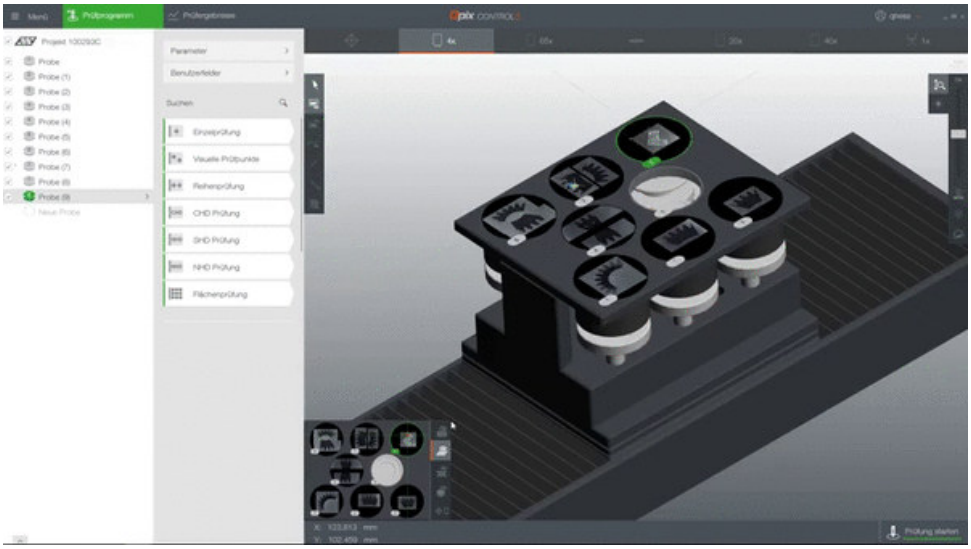
New standards in hardness testing are now being established thanks to the controlled test head with automatic height adjustment and contact-free gauging, complete integration of the Qness sample holders, CAD compatibility with 3D component imaging and a wide variety of easily comprehensible 3D control elements and view angles within the software.



Innovative CAS technology (Collision Avoidance System) protects the mechanical components in the device from collisions and operating errors by generating 3D preview calculations of all movements in the visualized testing area.

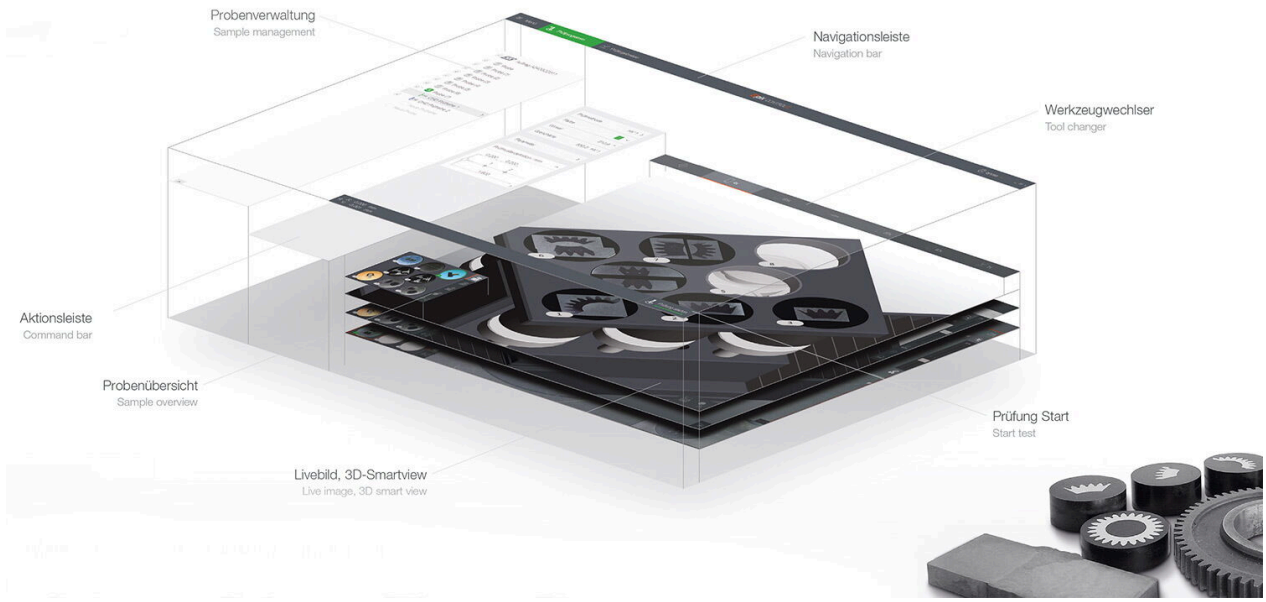
INTUITIVE, STRUCTURED AND PROFESSIONAL

REVOLUTIONARY 3D OPERATION



SAMPLE MANAGEMENT UP TO LIVE IMAGE AND 3D-SMARTVIEW

SOPHISTICATED SOFTWARE ARCHITECTURE



Suitable for: Qness 60 A/A+ EVO, Qness 150 A/A+, Qness 250/750/3000 A/A+, Qness 250/750 CA/CA+.

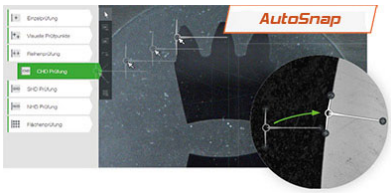
LOAD SAMPLES, LOAD ROW, START

3 STEPS TO THE RESULT



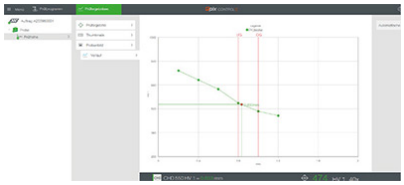
1 | LOAD SAMPLES

The machine moves automatically to sample holder height. Image of sample is taken automatically.



2 | LOAD ROW

SRS - Speedy Row Set-up: Drag the row of test points to the desired position. The serial Auto-Snap function corrects the starting point of the test row automatically



3 | START TEST SEQUENCE

The test sequence is executed according to the applicable hardness testing standards.

MULTIPLE SAMPLES, TEMPLATE, MANAGEMENT, OPTIMUM STOP,...

UNLIMITED POSSIBILITIES WITH A COMPREHENSIVE RANGE OF SERIAL FEATURES



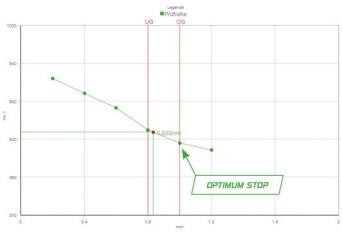
MULTIPLE AND DIVERSE SAMPLES

Simple management of several samples at the same time even with a variety of sample types in a single mould.



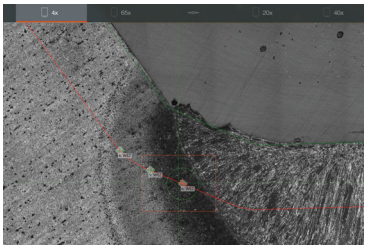
CLEARLY STRUCTURED TEMPLATE MANAGEMENT

Graphic presentation of stored templates with comprehensively detailed descriptions and freely selectable guidelines.



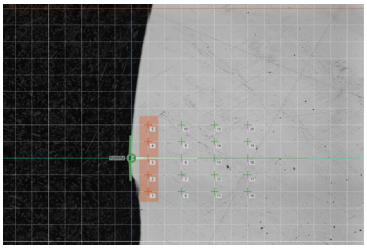
CHD/SHD/NHD WITH OPTIMUM STOP

Time-saving test mode ‘Complete all indentations - then evaluate’ and ‘Optimum Stop’ to complete test series as soon as the lower hardness limit has been undercut.



WELDING SAMPLE TOOLS

Points along - and parallel to - a polygon line, test point marking and guide circles for exact test point positioning in the heat affected zone of the welded sample.

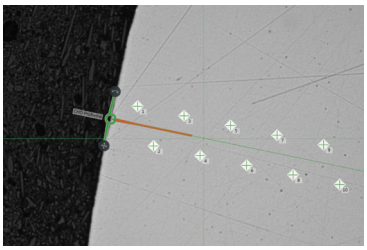


SINTER FUNCTIONS

Grouping of test points to gain averages and deletion of anomalies in hardness profiles.

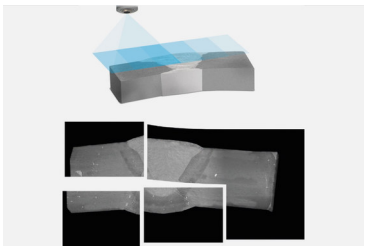
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SERIAL FEATURES



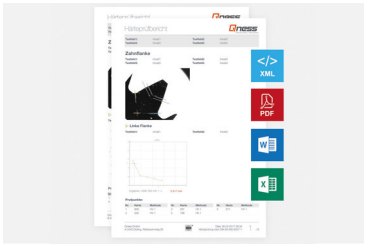
PREDICTIVE CALCULATION OF TEST POINTS

Displays the expected indentation size to simplify positioning and provides graphic warning when test points are closer than the normed minimum distance.



PANORAMA IMAGE FUNCTION

For sample image camera and measurement camera. Crystal clear sample images, from very small to extremely large test items. Automatic imaging can be programmed for before and after test sequence completion.



PROFESSIONAL DATA MANAGEMENT

Configurable protocol and data presentation. Wide range of structuration options for stored test item data. Adaptable content for export files and protocol content simplifies daily operation with Qpix Control2 software.

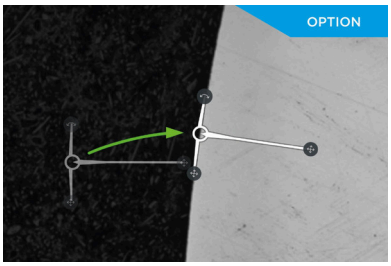


ADVANCED TEST BLOCK MANAGEMENT

Redefining calibration result management: The Qness Calibration Manager can be set up to provide users with reminders of necessary checks at selected intervals. Test results can be added to the ongoing statistical profile at the push of a button.

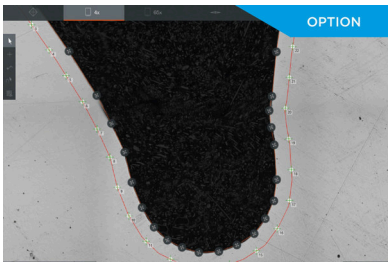
EDGE RECOGNITION, CONTOUR SCAN,...

INTELLIGENT OPTIONS



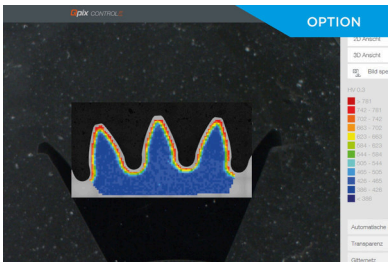
EDGE RECOGNITION

Working with program templates and the edge recognition software module makes fine-positioning of test rows irrelevant. The machine moves to the start points automatically and corrects their positions before the test sequence is started.



CONTOUR SCAN

Users can choose whether to approach the entire section or a partial segment of a contour. The measurement lens scans the entire route and stores all data in the program. Subsequently, a chosen number of the test points can be programmed into the system, or at chosen distances, relative to the edge. This programming enables the hardness testing sequence to be conducted completely automatically.



2D/3D MAPPING

Distribution of hardness across segments or entire surfaces of heat treated components. Coloured graphic representation in 2D and freely rotatable 3D views of the sample image.

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PRODUCT INFORMATION →

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