



ATI V *ATI V-Auto*

Automatic and compact hardness tester for
Vickers, micro Vickers and Knoop tests



ATI V

ATIV is a wireless hardness tester for Vickers, micro Vickers and Knoop hardness tests with built-in image viewing.



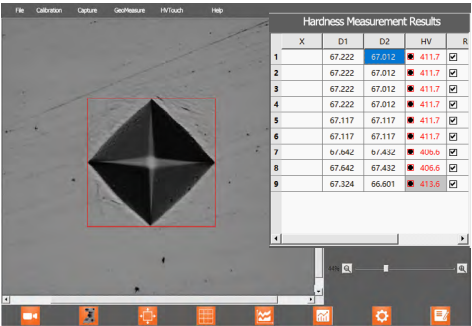
ATIV IS COMPACT VICKERS HARDNESS TESTER

- One START button to get start the entire test cycle with display of the result
- Fully automatic test cycle with automatic succession of each phase without interruption
- Load forces controlled electronically in "Closed-Loop"
- Direct image of indentation with manual or automatic measuring on-board
- The entire test cycle appears in real time on the screen incorporated into the hardness tester.
- Turret at 5 positions with automatic selection of indenters and objective lens, depending on the selected scale
- Interactive zoom from 15x to 800x for each lens
- Memory for data and image storage
- Statistical graphs and technical reports

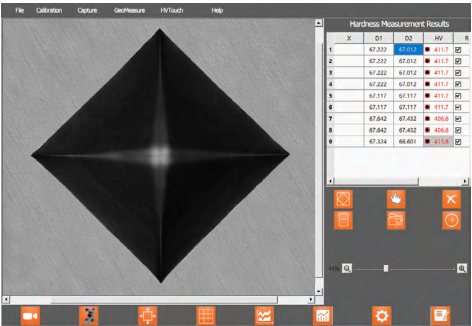


SOFTWARE

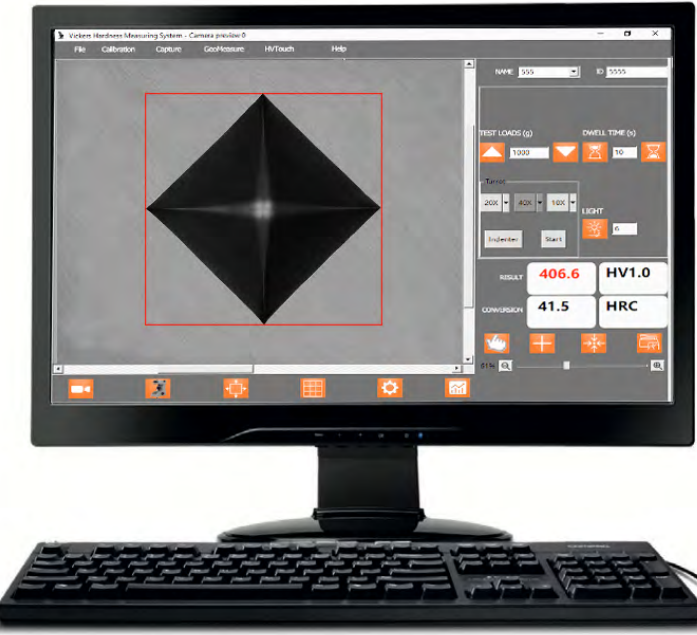
The entire test cycle apperas in real time on the screen incorporated into the hardness tester, which offers a direct view of the indentation. The ATIV hardness tester software is easy to use thanks to the intuitive menu and buttons. It is possible to customize the templates. With the variety of indentation display screens, you can keep under control every detail of the hardness test and mon itor the entire test cycle.



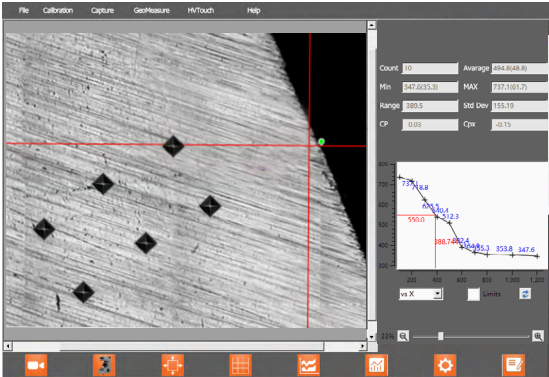
Large memory to data storage with automatic reports.



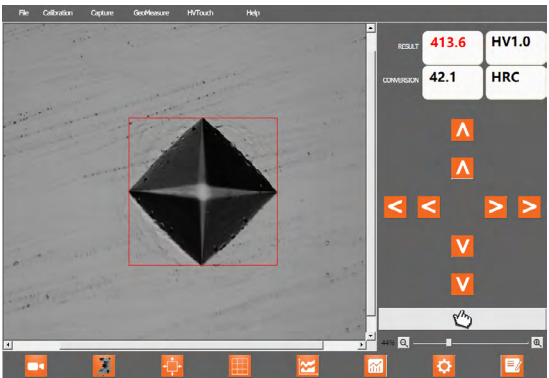
Active zoom on each lens from 15x to 800x.
Magnification range from 10x to 50x.



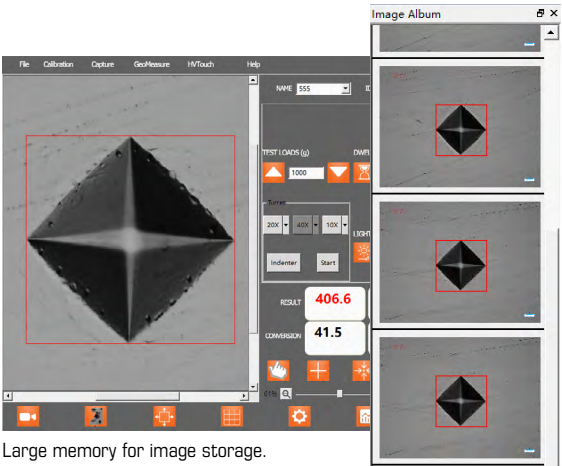
11.5" ultra HD display with touch screen and digital keyboard. 1,3 Mp UHD camera. Windows10 and 2GB memory. Ethernet and USB connection for data export and remote control. Remote control for self-diagnosis and software update service. Suitable for all laboratory and production environments.



Saving the results with creation of their statistical graphs.



Choice between automatic and manual measurement of indentation.



Large memory for image storage.

ATI V-AUTO

ATIV AUTO is an automatic hardness tester for Vickers, micro Vickers and Knoop hardness tests with Fully Automatic System management of the X-Y-Z axes to perform multiple cycles in automatic mode.



AUTOMATIC TEST CYCLE

- One START button to get start the entire test cycle with display of the result without operator intervention
- Fully automatic test cycle with automatic succession of each phase without interruption
- Load forces controlled electronically in "Closed-Loop"
- Direct image of indentation with manual or automatic measuring on-board
- The entire test cycle appears in real time on the screen incorporated into the hardness tester.
- Turret at 5 positions with automatic selection of indenters and objective lens, depending on the selected scale
- Interactive zoom from 15x to 800x for each lens
- Memory for data and image storage
- Statistical graphs and technical reports

MOTORIZED TABLE

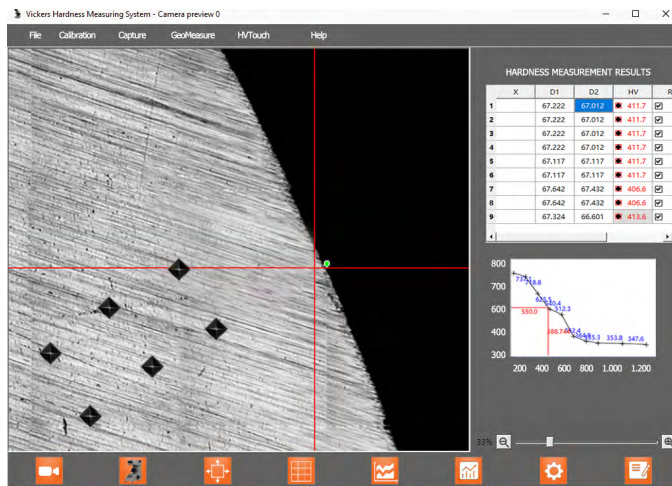
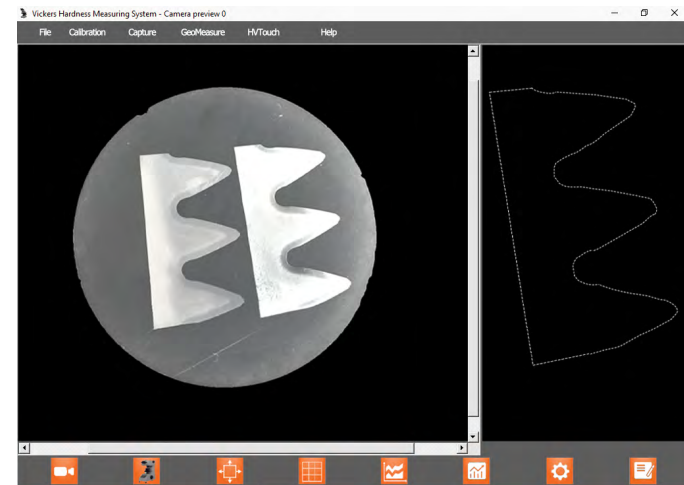
ATIV AUTO is equipped with a motorized X-Y table and auto-focus for multi indentation cycle.



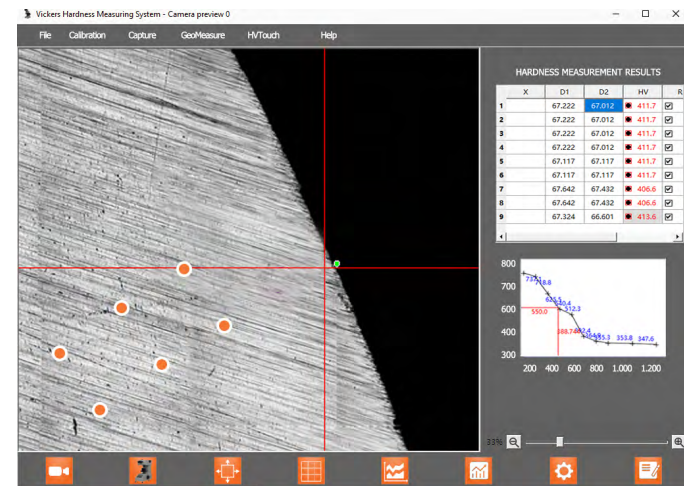
AUTOMATIC SPECIMEN SCANNING AND MULTI INDENTATION CYCLES



The scanning function creates a precise mapping of the specimen through automatic scanning of the sample profile and through automatic recognition of different materials that compose it (external resin and metal material).



The CHD diagram appears directly on the display at the end of the cycle with the results.



Multiple indentation paths in automatic cycle to determine the effective depth of hardness. It is possible to create patterns with the desired geometries.

ACCESSORIES



SINGLE SAMPLE HOLDER
Self level sample holder
Art. A.055.0.006 (Insert ring is needed)
Art. A.055.0.014 (All sample diameter)



MOTORIZED TABLE 150x150mm
Travel 50x50mm with 0,5µm step
Art. A055.0.010



CLAMPING VICE
Adjustable from 0 to 50mm
Art. A049.1.001



MULTI SAMPLE HOLDER
Art. A055.0.003 (Base 200x100 mm)
Art. A055.0.004 (Drawer 10x30mm)
Art. A055.0.005 (Drawer 8x40mm)
Other drawer are available



MOTORIZED TABLE 200x200mm
Travel 100x100mm with 0,5µm step
Art. A055.0.008



INCLINABLE VICE
Adjustable from 0 to 50mm
Art. A049.1.002

ASSISTANCE AND CALIBRATION SERVICE

ATI offers technical assistance to its customers, intervening in real time, to help you to work in a better way. Our technicians are available for remote technical and software diagnoses. We offer remote software updates to keep our products always up to date. Connect to www.affri.com for more details.

ATI is accredited for calibration and certification service. Our ANAB certifications are ILAC-MRA / ISO 17025 equivalent to A2LA accreditation. Our scope of accreditation includes Direct and indirect calibration of ATI and most competitors Rockwell, Brinell, Vickers, Knoop, Shore hardness testers, differential indentation hardness, tension and compression testing machines, extensometers, torque machines, machine displacement and speed, calipers, microscopes, stop watches. Contact us for a quote whatever the brand of equipment you may have.



MODELS	RANGE FORCES
ATIV 1	10 - 25 - 50 - 100 - 200 - 300 - 500 - 1000 gr (0,098 - 0.24 - 0.49 - 0.98 - 1.96 - 2.94 - 4.90 - 9.8 N)
ATIV 10	200 - 300 - 500 gr ; 1- 2 - 5 - 10 Kg (1.96 - 2.94 - 4.90 - 9,8 - 19.6 - 49.03 - 98.06 N)
ATIV 30	300 - 500 gr ; 1- 2 - 5 - 10 - 30 Kg (2.94 - 4.90 - 9,8 - 19.6 - 49.03 - 98.06 - 294.19 N)
ATIV 50	300 - 500 gr (2.94 - 4.90N) ; 1 - 2 - 5 - 10 - 30 - 50 Kg (9,8 - 19.6 - 49.03 - 98.06 - 294.19 - 490.33 N)

TECHNICAL DATA	
Compliance standards:	ASTM E92 and E384
Force control:	Electronic control of load cells in "Closed-Loop"
Dwell time:	1-99 seconds
Measurement speed:	Conforms to ISO 6507 and ASTM E384 standards
Resolution:	0,001mm
Objectives:	1x and 2x with a field of view of 8mm x 16mm
Auto-Focus:	Automatic (just for ATIV AUTO)
Optical magnifications:	20x , 40x (as optional 5x and 10x)
Height capacity:	210 mm (without XY table)
Depth capacity:	135 mm
X-Y table:	ATIV: manual table ; ATIV AUTO: motorized table ; Art. A055.0.010 travel 50x50mm, Art. A055.0.008 travel 100x100mm
Display:	11,5" UHD display with multicolor touch screen
Camera:	1,3 MP UHD
Data storage:	2GB
Principle of operation:	Windows 10
Data output:	USB
Data connection:	Ethernet
Power supply:	110-200V / 200VA
Hardness tester dimension:	600 x 300 x 700h mm
Packing:	900 x 900 x 1000h mm

The manufacturer reserves the right to make changes aimed at improving the products without prior notice.
Images for illustrative purposes only. Colors and product details may vary.

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