



Wolpert Wilson® Instruments Minuteman ELT™

Knoop/Vickers and Rockwell® Automatic Systems

The Wolpert Wilson Instruments Minuteman ELT automates the stage navigation and measurement process of your hardness testing systems. Designed to increase productivity, accuracy, and efficiency, the Minuteman ELT systems are your solution for reducing costs and process time while maintaining strict compliance to ASTM and ISO standards. Available in four different levels for Knoop, Vickers, and Rockwell testers, the Minuteman ELT presents a variety of user options to meet your testing challenges.



402 MVD Minuteman ELT system with optional 100 x 100 mm stage

Rockwell 2000 Minuteman ELT system with 180 x 160 mm motorized stage

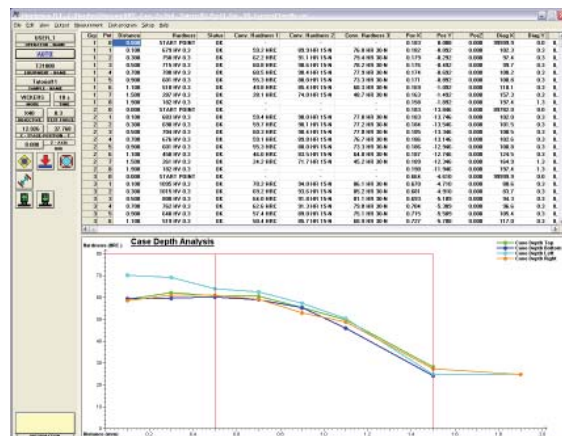
Tukon™ 2100 Minuteman ELT system with optional 180 x 160 mm stage and four mounted EZ-clamp fixtures for rapid multi-sample testing

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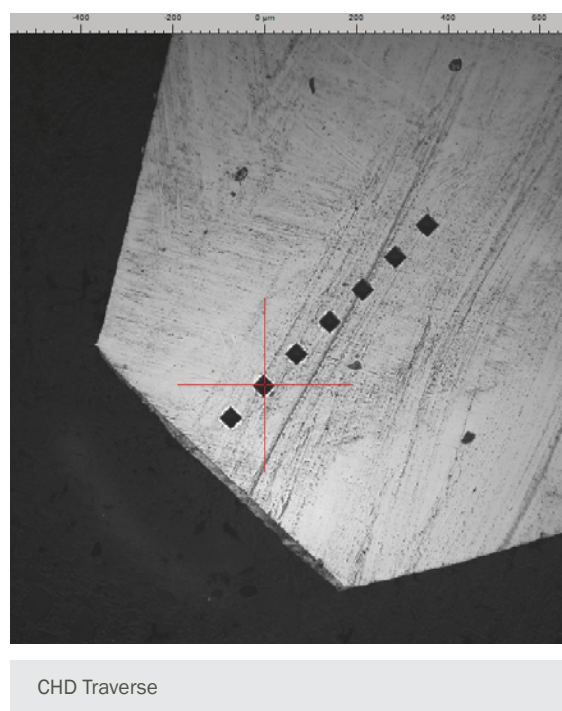
Software Features

- Automatic hardness measurements with ELT2 and ELT3
- Automatic focusing of sample surfaces with ELT2 and ELT3
- Digital zooming capability increasing field of view
- Variable distance point plotting
- Data export to Microsoft® Excel® and Crystal Reports
- Brightness, contrast, and illumination meter
- Three level user system (Manager, Supervisor, Operator)
- Password protection available for upper level users
- User selectable quit value
- Statistical calculations (maximum, minimum, standard Deviation, CP, CPK, and more)
- Conversions per ASTM E140 and DIN 50150
- Case Hardness Depth (CHD) calculations and graphing
- Return and re-measure capability
- Indentation photo capture and storage
- Pattern interruption and resume
- Virtual joystick for sample traversing



Minuteman ELT1, ELT2, ELT3, and ELT4 Models

Features	ELT1	ELT2	ELT3	ELT4
Minuteman Fully-Automatic Software			◆	
Minuteman Semi-Automatic Software		◆		
Minuteman Basic Software	◆			
Minuteman Rockwell/MicroRockwell Fully-Automatic Software				◆
Video Filar	◆	◆	◆	
Auto Focus		◆	◆	
Auto Measurement Image Analysis		◆	◆	
Motorized Integrated XY-Stage			◆	◆
Manual Stage with 25 x 25 mm	◆	◆		
High-Performance PC	◆	◆	◆	◆
High-Resolution Camera (Optional)	◆	◆	◆	
Miniature Camera				◆




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