

VICKERS COMPUTERISED TEST SYSTEM DV-TESTOR

Full automatic hardness determination, featuring hardness depth graphics

WOLPERT DV-TESTOR computerised automatic test systems are software based measurement packages designed to increase productivity, accuracy and efficiency by automating the measurement and/or the stage navigation process. If you are looking for a way to lower testing costs while maintaining strict compliance with ISO/ASTM standards, DV-TESTOR can provide you with a system to meet your requirements. We offer four distinctive software levels from basic to full automatic testing. Please refer to the overview on next pages.

Increase productivity, accuracy and efficiency



Technical specs

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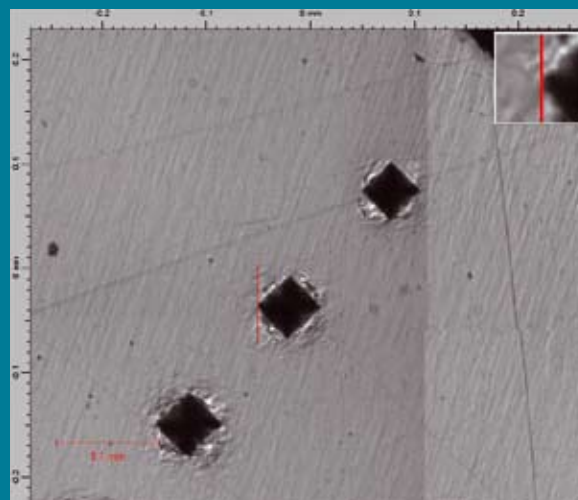
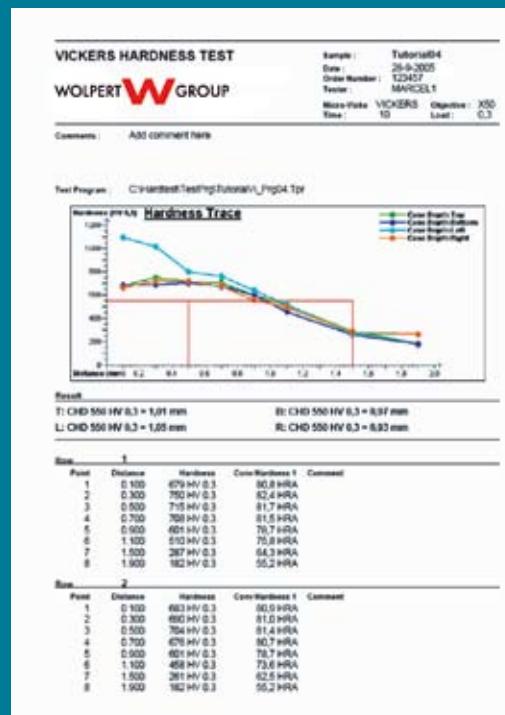
Unique, user friendly system combines the power, speed and flexibility of a personal computer with the precision of our micro- and MacroVickers hardness testers, both the 400-series and 2100 Tukon. It accommodates a full spectrum of microhardness testing requirements.

User-friendly test procedure

Simple test procedure, user defines simple or complex pattern for automatic positioning and indentation. The software automatically measures and records indent size and determines accordingly the hardness result. Results display includes depth versus hardness XY plotting as well as statistics and individual indent results. Ideal for industrial, production, and research applications. Measurements are made through the high-resolution video camera system. Productivity is dramatically increased due to the elimination of the time consuming, stage and eyepiece manual intervention typically associated with high quantity pattern testing.

Features

- Auto-focus (for Tukon & level 4 400-series)
- Automatic image measurement, standard on level 4
- High resolution video camera
- Standard reporting capabilities
- Data export to Microsoft Excel or Word
- PC-connection cables (RS-232)
- Filar image measurement capability
- Conversions per DIN/ISO 50150
- Pattern saving, and recall
- Return and remeasure capability
- Variable distance point plotting
- Tester software communication
- Save, print & export image
- Comprehensive results including graphing, statistics, individual values, case depth, effective case and return and remeasure individual point ability.
- Extensive load range (10g up to 50kg)



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Video filar system level 1

PC-based video indent measuring system. Creates a video image of the indent on the PC. User can measure the indent by using the computer mouse, the software then calculates the hardness. User friendly, easy to use accurate measurements. Very suitable for small indents (hard materials, thin plates, hardened layers)
Control test procedure over PC
Auto-measuring optional

Features:
Software level 1
CCD Camera
Frame grabber card

Video filar system level 2

PC based video indent system with one digitalised axis of the XY-stage.
Features:
Software level 1
CCD Camera
Frame grabber card
Digital micrometer add-on

Level 1 plus: Digital micrometers to measure the displacement of the XY-table, allows an accurate control of the indent coordinates.

Digital displacement measurement of work piece by Digital micrometers on the XY-stage, coordinates displayed on PC.

Suitable for testing case hardness.
Auto-measuring optional

Video filar system level 3

Level 2 plus: Motorized XY-stage, allows work piece movement to be controlled by mouse over the computer. The CCD-system shows the displacement real-time.
Semi-automatic configuration.

Features:
Software level 2
CCD Camera
Frame grabber card
Motorized XY-stage, incl. control unit

Video filar system level 4

Fully automatic Vickers/Knoop hardness testing system.
Level 3 plus: Motorized turret and Z-axis both controlled by computer, to do a completely automatic hardness measurement. Even a series of automatic tests is possible with the programming function. Automatic measuring of the indentation, included.

Tester can be fully controlled by computer. Ideal to perform case depth measurements, complex patterns and traverses. Can perform dozens of measurements without user interference. Time saving!

A series of automatic indents is possible with the programming function.

Auto-measuring optional
Features:
Software full automatic
CCD Camera
Frame grabber card
Motorized XY-stage, incl. control unit
Motorized turret
Z-axis control (Auto focus)

