

VICKERS/MICRO-VICKERS VIDEO FILAR SYSTEM CV-CCD™

Fast and easy determination of Vickers/Micro-Vickers hardness on PC, featuring hardness depth graphics



CV-CCD system

Unique, user friendly system combines the power, speed and flexibility of a personal computer with the precision of our Vickers/Micro-Vickers hardness testers series, to accommodate a full spectrum of micro hardness testing requirements.

Simple test procedure, user defines simple or complex pattern for automatic positioning and indentation. The software automatically measures and records indentation size and hardness measurement. 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 time consuming, stage and eyepiece manual intervention, typically associated with high quantity pattern testing.

Standard delivery

- Different configurations available depending on specific requirements. Please contact our sales department for advice.

VICKERS/MICRO-VICKERS VIDEO FILAR SYSTEM CV-CCD™

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CV-CCD1, Video filar system 1 Basic system for individual tests with PC

Standard delivery

- Software level 1
- Frame grabber card
- Micrometer
- CCD-camera 1/2" pal, C-mount
- Cable-camera with frame grabber, UIB
- Camera adapter direct
- Camera power supply 12V
- Applicable on our models:
CV-400AAT, CV-400DAT, CV-400DTS, CV405AAT, CV410AAT,
CV430AAT, CV450AAT, CV405DAT, CV410DAT, CV430DAT, CV450DAT

Option:

Automatic positioning and indentation

Languages available:

English, French, German, Spanish, Italian, Swedish, Portuguese, Polish, Czech, Hungarian

Excluding:

PC, monitor, keyboard, mouse and hardness tester
Minimum PC configuration:
Pentium IV, 2GHz, 256MB, 2PSI-slot, 2 USB, 2 RS-232, Grafic card (ATI-Radeon or Intel 745), CD-rom, Hard disk

CV-CCD2, Video filar system 2 Basic system for testing traverses with PC

Standard delivery

- Software level 1
- Frame grabber card
- CCD-camera 1/2" pal, C-mount
- Digital micrometer (1)
- Cable-camera with frame grabber, UIB
- Camera adapter hardness tester
- Camera power supply 12V
- Micrometer clamp
- Cable PC SER-hardness tester
- Applicable on our models:
CV-400AAT, CV-400DAT, CV-400DTS, CV405AAT, CV410AAT,
CV430AAT, CV450AAT, CV405DAT, CV410DAT, CV430DAT, CV450DAT

Option:

Automatic positioning and indentation

Languages available:

English, French, German, Spanish, Italian, Swedish, Portuguese, Polish, Czech, Hungarian

Excluding:

PC, monitor, keyboard, mouse and hardness tester
Minimum PC configuration:
Pentium IV, 2GHz, 256MB, 2PSI-slot, 2 USB, 2 RS-232, Grafic card (ATI-Radeon or Intel 745), CD-rom, Hard disk

CV-CCD3, Video filar system 3 Semi-automatic configuration with PC

Standard delivery

- Software level 2
- X-Y table 100mm x 100mm or 160mm x 100mm
- FM stepper box 2-AXIS
- Frame grabber card
- CCD-camera 1/2" pal, C-mount
- Cable-camera with frame grabber, UIB
- Table adapter
- Camera adapter direct
- Camera power supply 12V
- Cable PC SER-hardness tester
- Cable PC SER-FM stepper box
- Applicable on our models:
CV-400AAT, CV-400DAT, CV-400DTS, CV405AAT, CV410AAT,
CV430AAT, CV450AAT, CV405DAT, CV410DAT, CV430DAT, CV450DAT

Option:

Automatic positioning and indentation

Languages available:

English, French, German, Spanish, Italian, Swedish, Portuguese, Polish, Czech, Hungarian

Excluding:

PC, monitor, keyboard, mouse and hardness tester
Minimum PC configuration:
Pentium IV, 2GHz, 256MB, 2PSI-slot, 2 USB, 2 RS-232, Grafic card (ATI-Radeon or Intel 745), CD-rom, Hard disk

CV-CCD4, Video filar system 4 Full-automatic system for testing complex patterns and traverses with PC

Standard delivery

- Software fully automatic
- X-Y table 100mm x 100mm or 160mm x 100mm
- FM stepper 3-AXIS
- Z-axis installation kit
- Frame grabber card
- CCD-camera 1/2" pal, C-mount
- Cable-camera with frame grabber, UIB
- Table adapter
- Camera adapter hardness tester
- Camera power supply 12V
- Cable PC SER-hardness tester
- Cable PC SER-FM stepper box
- Applicable on our models:
CV-400AAT, CV-400DAT, CV-400DTS, CV405AAT, CV410AAT,
CV430AAT, CV450AAT, CV405DAT, CV410DAT, CV430DAT, CV450DAT

Languages available:

English, French, German, Spanish, Italian, Swedish, Portuguese, Polish, Czech, Hungarian

Excluding:

PC, monitor, keyboard, mouse and hardness tester
Minimum PC configuration:
Pentium IV, 2GHz, 256MB, 2PSI-slot, 2 USB, 2 RS-232, Grafic card (ATI-Radeon or Intel 745), CD-rom, Hard disk