

Digital Microscope

TOP-EYE - based on the principles of open architecture. We always use top-line modern components to insure best performance.

- Processor Intel® Core™ i7 family
- Hard drive Serial ATA II 500 Gb 7200 rpm 32 Mb
- Memory DDR3 2 Gb 1600 MHz
- Video-card PCI-Ex GeForce 9800 GT 1024MB DDR3
- 2x 10/100/1000 GIGABIT DESKTOP PCI ADAPTER

DIGITAL VIDEO MICROSCOPE CONTROL UNIT
 USB 2.0 connection; Power supply 12V; RGB light and Rotation digital control.

DIGITAL CAMERA
 2 MPix CCD 1/1.8" progressive scan Bayer mosaic colour sensor; FPS - 25 fps; Resolution: 1624 (h) x 1236 (v) 4.4 µm square pixels; GigE protocol.

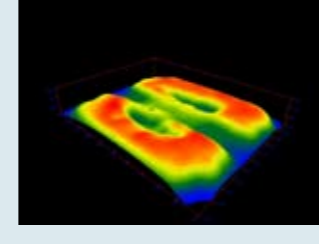
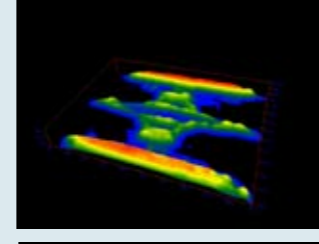
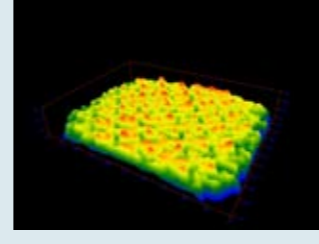
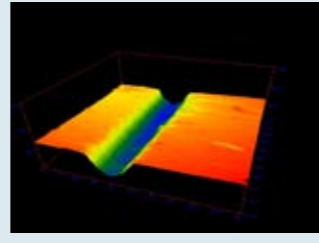
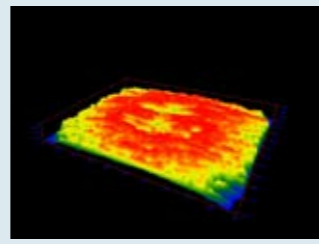
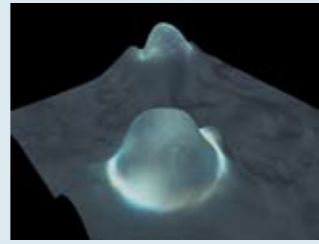
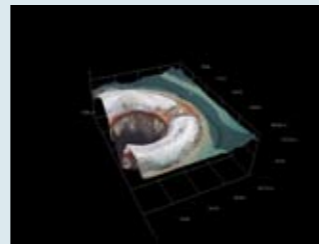
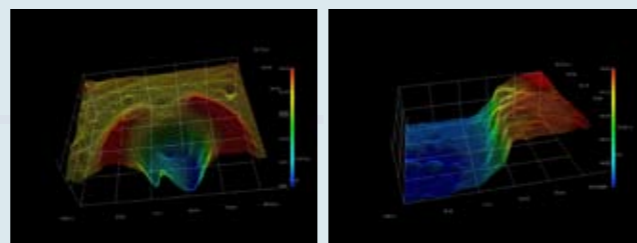
LENS
 High quality zoom lens with set of different couplers.

FLEXIBLE POSITIONING SYSTEM
 Motorized adjustable stand.
 XY table.

ILLUMINATION
 LED light source 5 W, Colour Temperature 6000K; 250 Lm.

MICRO-OPTIK IMAGE MORPHOMETRY ANALYSIS SOFTWARE - With morphometric analysis.

- Measurements functions (distances, areas, angles).
- Images optimizations and mathematical morphology functions.
- Images calculations - adding, subtractions, division, multiplying.
- Logical operations on images. Integrated analysis of the formulas.
- Identification of the particles/defects and calculation the detailed shape and size information (Perimeter, Area, Roundness, Elongation, Compactness, Convexity).
- Different charts and distribution plots.
- Different 3D visualizations and adjustments.
- Unique 3D colored and textured modeling.
- Height measurement functions and 3D models generation.
- Export data to different standard formats.
- Special functions and adjustments possible on demand.



Unique concept based on open technology

Full automatic topography analysis

Plug and Play system

Largest selection of high end optics and illumination

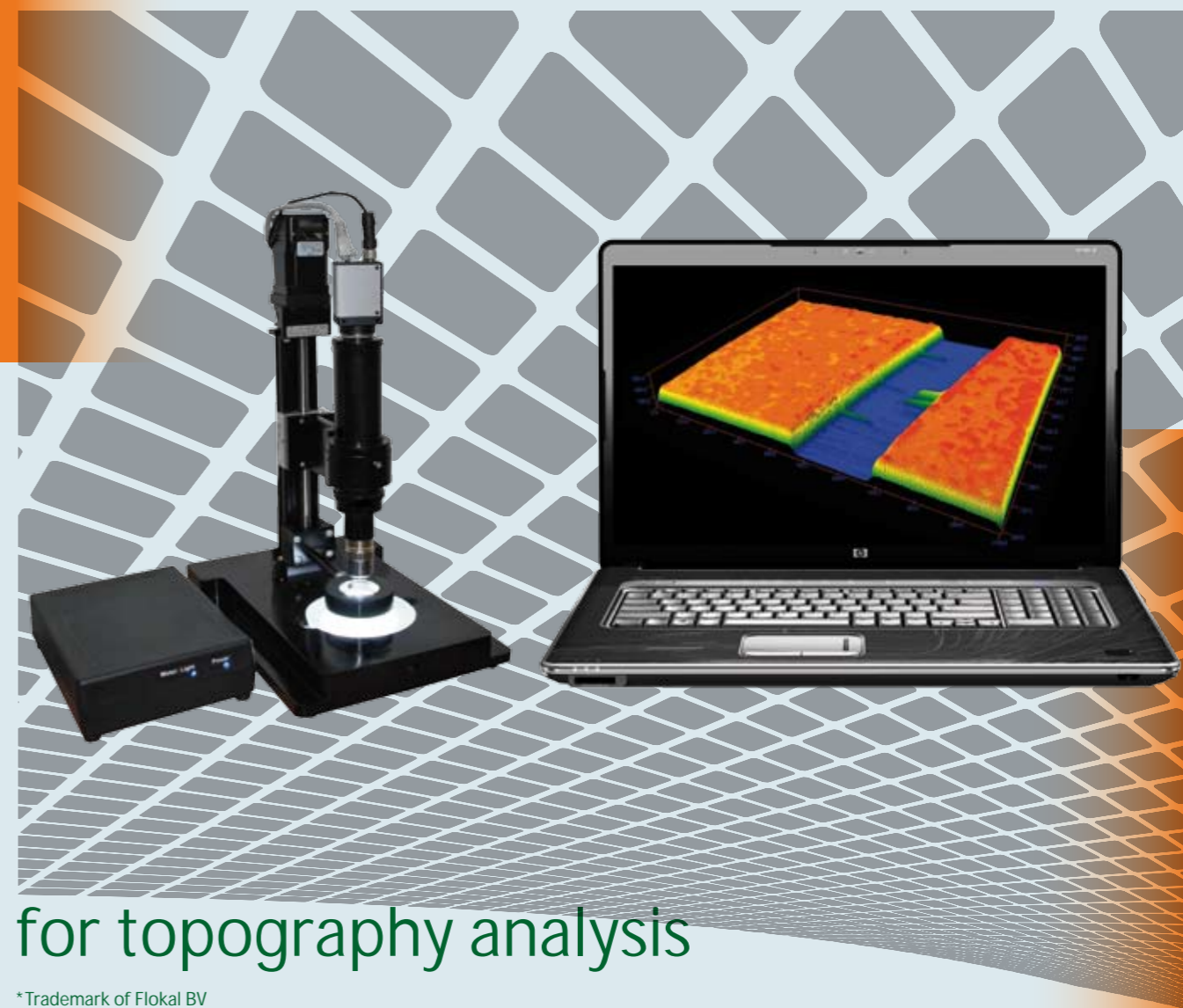
User friendly, powerful and highly adaptive software

Height measurements and 3D modeling

Windows™ based operating system

TOP-EYE™

Digital Microscope



for topography analysis

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Vision in Technology

SYSTEM CONFIGURATION

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