



3D Full-Field Optical Coherence Microscope @Nano-Scale

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Research

Parallel phase shifted interference full-field images are recorded in real time, together with a shift algorithm, to extract the phase and the envelope of the interference signal.

Optical metrology method which allows 3D imaging for a variety of applications, ranging from biological research to the semiconductor industry.

Proprietary technology enables ultra-high speed, accurate 3D analysis of sub-micron structures, including: non-contact 3D surface profiling; defect inspection; real-time tilt measurement; high speed dynamic focusing control; 3D live imaging of biological samples; high frequency vibration analysis, and more.

Product

Over the counter 3D real-time video-rate imaging microscope.

Status

Fully operational on bench prototype. Full-scale microscope in Q2 2015.

Patent Status

2 patents pending.