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Cool! I'am really happy

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THORLABS
OPTICAL COHERENCE TOMOGRAPHY
Cross-Sectional and Volumetric Imaging

OPTICAL COHERENCE TOMOGRAPHY
Optical Coherence Tomography (OCT) is a non-invasive optical imaging modality that provides real-time, 1D depth, 2D cross-sectional and 3D volumetric images of micro-structural features and millimeter-scale imaging depth. With the ability to image up to 1 mm in depth and achieve line rates 7000 to 10,000 frames per second, OCT offers a high-resolution, real-time, cross-sectional view of tissue structure and morphology. In addition to the resolution and imaging depth, the non-invasive, non-contact nature of OCT makes it well suited for imaging samples such as biological tissues, small animals, and materials.

SYSTEM FEATURES
Non-Contact Imaging
OCT provides a non-invasive, contact-free optical imaging modality that provides real-time, 1D depth, 2D cross-sectional and 3D volumetric images of micro-structural features and millimeter-scale imaging depth. With the ability to image up to 1 mm in depth and achieve line rates 7000 to 10,000 frames per second, OCT offers a high-resolution, real-time, cross-sectional view of tissue structure and morphology. In addition to the resolution and imaging depth, the non-invasive, non-contact nature of OCT makes it well suited for imaging samples such as biological tissues, small animals, and materials.

Rapid 3D Volume Imaging
Thorlabs' OCT imaging system includes a compact probe with rapid two-dimensional scanning capability for 3D volume imaging. High-speed scanning systems are available, which enable volume acquisition rates of a few volumes per second.

Single Fiber Imaging
Thorlabs' high-resolution, high-contrast, cross-sectional and 3D volumetric OCT imaging system. Single fiber OCT enables imaging of small features within a sample. Using Thorlabs' OCT system, despite the small size of the probe, the system can be used with minimal OCT setup for cross-sectional and 3D OCT imaging. Single fiber OCT imaging system.

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