

OCT BASED VOLUMETRIC IMAGING SOLUTIONS

Key Features

- ▣ Standalone integrated enclosure with application specific sampling for well plates, thermally controlled stages for biological samples, or custom options
- ▣ Flexible core engine can be configured for **inline process monitoring** applications or customized standalone products
- ▣ Factory configurable for high resolution low working depth or low resolution high working depth based on application requirements
- ▣ Built-in field viewer for visual imaging of sample under volumetric analysis
- ▣ Volumetric Imaging Software Suite (VIST™) for instrument control and visualization of sample under test
- ▣ Imaging wavelength from 850 nm – 1510 nm depending on application & damage thresholds
- ▣ Configurable for high sensitivity or high speed imaging with line rates from 5 kHz – 200 kHz

Compact OCT Solution



(Pikoplate Volume Measurement System Shown)

Applications

- ▣ Micro wellplate volume measurements for QA/QC
- ▣ Biomedical Screening of tissue
- ▣ Optical inspection of microfluidic membrane thickness and shape
- ▣ Oocyte shape for IVF analysis

Typical System Specifications / Configurations

	High Resolution	Large working Depth
Imaging Depth (air)	~ 500 μ m	~ 8,000 μ m
Lateral Resolution	~ 6 μ m x 6 μ m	~ 6 μ m x 6 μ m
Axial Resolution (air)	~ 3 μ m	~ 20 μ m
Power on Sample	~ 1 mW – 5 mW	~ 1 mW – 10mW
Environmental	0-45 °C, noncondensing atmosphere	

Custom Axial/Lateral Resolution, Working Depth, Sampling Available — Call for Details