Keyence VHX-5000 Microscope

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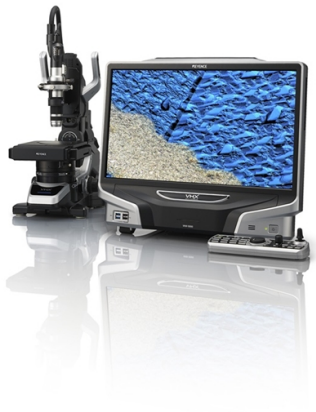
Tool Type: “Observation”
Location: “Microfluidics Lab”

Supervisor	**Tool Lead**
David Bothman	Eric Lemieux
(805) 893-4125	(805) 234-8919
bothman@cnsi.ucsb.edu	ericlemieux@ucsb.edu

Description: “Microscope”
Manufacturer: “Keyence”

About

The Keyence microscope is a semi computer controlled microscope that is capable of taking precision measurements from large depth of field images under high magnification. This microscope features both backlighting and top lighting, and has a computer controlled movable stage which can be used to pan across the object you are viewing. This microscope has a motorized objective which can be used to image parts with a large depth of field to create a single in focus image with depth mapping data. The motorized stage also allows for the stitching of several images to create larger high magnification pictures.

Training Documentation

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Detailed Specifications

- 17 mm/s Z travel
- Objective rotation up to 90 degree angle from normal stage axis
- Image stitching up to 20,000 x 20,000 pixels
- Optical zoom from o to 1000x
- 50 FPS max framerate

Safety Concerns

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Reference Documentation

STL Converter Manual

Brochure

Field of View and Pixel Size Chart

Intermediate Quick Start Guide

Quick Start Guide

VHX Exporting 3D Data to CSV

VHX lenses
