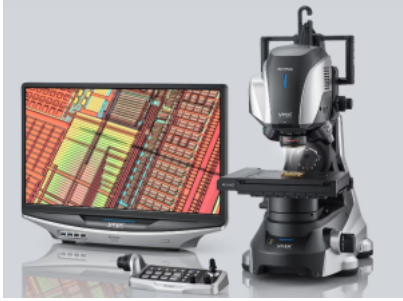



# Morphology-SH

## Optical Microscope

Owner: *Tingting Zhang*

<b>Principle</b> :	Sample surfaces can be analyzed using reflection mode, while the structure of materials can be studied using transmitted light (samples must be a few micrometers thick). A large variety of contrast modes exist to highlight different aspects of material structures, depending on the information needed.
<b>Capabilities</b> es:	Multiple function analysis including but not limited as surface structure, flow mark, orientation/distribution of fillers, flash, defect analysis, etc.
<b>Asset:</b>	 <p>Keyence VHX-7000 system: Observation of samples at higher magnifications (x20-x200,X200–X2000) in reflection or transmission, and digital camera. External handheld lens (x20-x200) for special samples.</p>
<b>Preparative Techniques</b> es:	 <p>Polisher: Struers LaboPol-5 Polishing machine equipped with an autosampler, to prepare embedded sections and surfaces, with a finish at 1 <math>\mu\text{m}</math>.</p>

## Sinpa Projector\_Shrinkage test

Owner: *Mengjun Guo*

<b>Principle</b> :	Compare the dimensions of the mold and the color chips, and calculate the shrinkage of the sample.
<b>Capabilities</b> es:	Support molding processing

**Asset:**



**JVB250**

**Sample requirements: Color Chips\*10**

**Color chips dimension:**

**60\*60\*2; 80\*80\*2; 80\*80\*1(mm)**

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