

Digital Microscope - KEYENCE VHX-7000

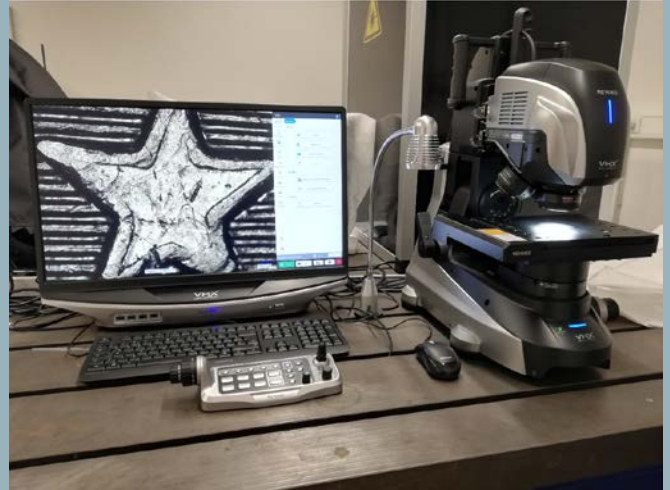
Technische Universität Braunschweig | Institute for Chemical und Thermal Process Engineering
ictv@tu-braunschweig.de | Phone +49 (0) 531 391-2791

Research objective

- High resolution images for the visualization of microstructures

Equipment

- 4K camera + 4K monitor
- Objective revolver with 50 - 2000 x magnification
- Automatic recognition of the magnification



Measurement options

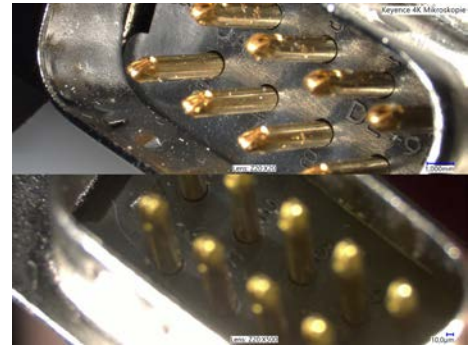
Image Settings

Lightning:	Coaxial light, partly coaxial light, ring light, partial ring light, mixed light
Image options:	Optical shadow effect mode, removing reflections, improve optical resolution, multi-lightning

Features

Depth of field:	Live depth composition, depth of field 3D image
Serial recording:	Panoramic image (2D, 3D), automatic repeated measurement
Surface measurement:	Planes, surfaces, automatic surface measurement, residual dirt analysis, particle size analysis
Roughness measurement:	Line roughness, surface roughness

4K Technologie



Optical Shadow Mode



Roughness measurement

