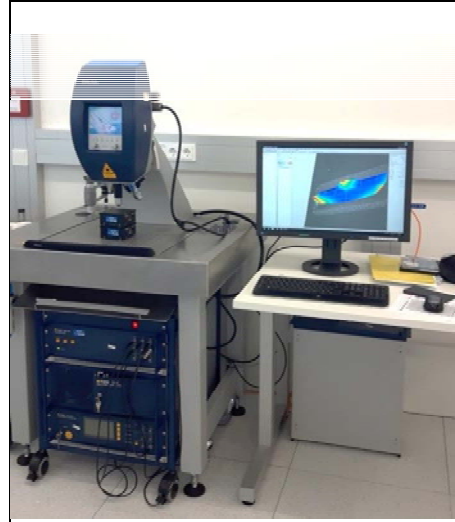


**Micro System Analyzer**

**Manufacturer:** Polytec

**Model:** MSA-500-TPM



**General Description:**

The Micro System Analyzer is the premier measurement tool for the analysis and visualization of structural in-plane and out-of-plane vibrations as well as surface topography in micro structures such as MEMS.

**Key Specifications:**

- White light Interferometry (3D Topography)
  - Z-Resolution: nm range
  - Lateral Resolution: down to 500 nm (magnification dependent)
- Laser Doppler Vibrometry (Out-Of-Plane Vibrometry)
  - Frequency: 0-20 MHz
  - Resolution: pm range (magnification dependent)
  - Max. velocity:  $\pm 10$  m/s
- Stroboscopic Video Microscopy (In-Plane Vibrometry)
  - Frequency: 0-1 MHz
  - Resolution: nm range (magnification dependent)

**Availability:**

Use allowed for all researchers with permission

**Location**

Cleanroom C7  
 Europastraße 12  
 9524 Villach

**Responsible / Contact**

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