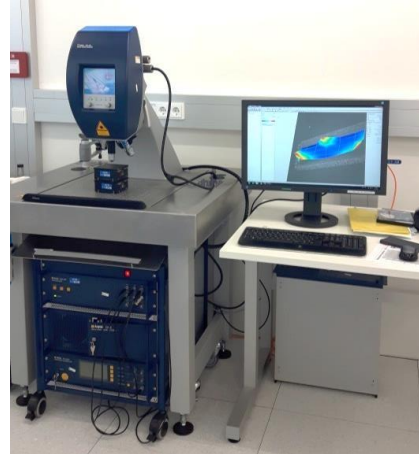


## METROLOGY

### 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)

<b>Availability</b>	Use allowed for all researchers with permission
<b>Location</b>	Cleanroom C7 Europastraße 12 9524 Villach
<b>Responsibles / Contact</b>	DI Christian Ranacher / Dr. Ali Roshanghias Tel.:+43 4242 56300 237