

Devices for particle measurements

Devices for generation, dilution and measurement of particles and fibers

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Aerosol generators

- Atomizer (Palas & Topas)
- Spark generator (Eigenbau & Palas)
- Belt and brush doser (Palas)
- Microwave plasma synthesis (self-made)

Imaging techniques

- Digital microscope (Keyence VHX 6000 & VHX 900)
- Scanning electron microscope (Zeiss Supra 55VP with EDX)
- Transmission electron microscope (Zeiss EM 910 Leo)
- Image analysis (Fibre Shape & FiVer)

Dilution systems

- Porous Tube Diluter (custom made up to 1.000 °C)
- Dilution systems (Palas & Dekati)

Aerosol & Fiber Measurement

- Dynamic Light Scattering
- Electrostatic Precipitator
- Scattered Light Particle Counter
- Mobility Analyzer
- Impactors (Dekati ELPI+ / DLPI)
- Gravimetric filter sampling
- Particle mass spectrometer (PMS)
- Oscillating Quartz Microbalance (QCM)
- Cyclone
- Fiber Monitor (MSP Model 7400)