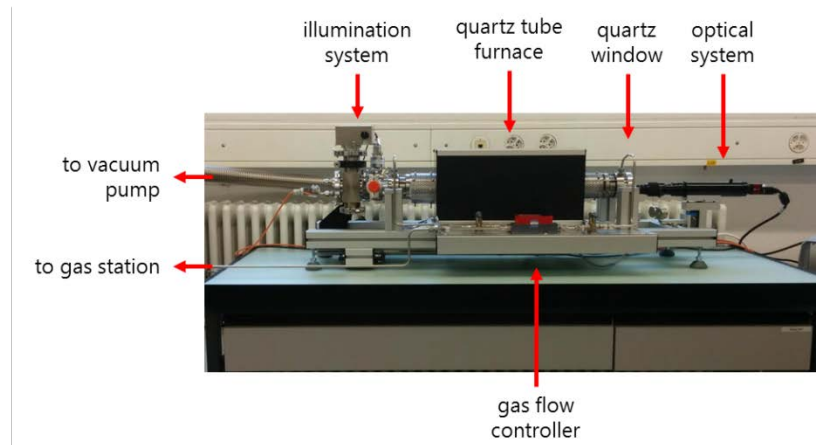


## Wetting-angle furnace

Empa Department 202, Joining Technologies and Corrosion

### Typical Applications

- Melting and wetting behaviour of solders and brazes
- Optical monitoring of materials behaviour at high temperature under controlled conditions

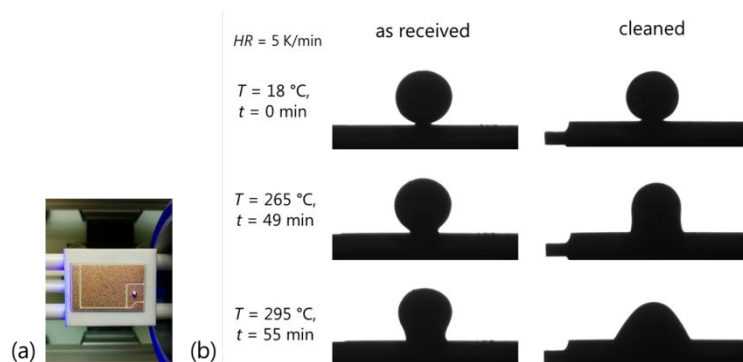


**Wetting-angle furnace with camera system and atmosphere control**

### Specifications

- Temperatures up to 1000 °C, heating rates max. 10 K/min.
- Atmosphere: inert (Ar), reducing (Ar + H<sub>2</sub>), oxidising (synth. air), vacuum
- Continuous video recording and evaluation

### Application example



**Wetting behaviour of tin on copper; (a) tin pearl on a DBC-substrate; (b) temperature-dependent wetting behaviour, inert gas atmosphere: as received (left), after cleaning (right)**

### Contact

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