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 + H₂), 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-depending wetting behaviour, inert gas atmosphere: as received (left), after cleaning (right)

Contact

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