

# Micro Heating Stage 450C

The Micro Heating Stage 450C (MHS450) is built in the same form factor as standard microscopy stubs and can be mounted to your microscope's stage in the same way as the stubs are.



ACTUAL SIZE

The heating stage is supplied with a temperature control unit which allows the stage to be heated from room temperature up to 450°C.

The MHS450 is supplied with special sample holders that can be inserted into the heating stage's receptacle. Mounting samples to these holders is achieved using a special carbon-based adhesive.

The Micro Heating Stage utilizes the same feedthrough system as our micromanipulators and can be used in conjunction with our other micromanipulation products.

## Applications

- IC stress testing
- Ageing tests
- Re-soldering bond pads
- Semiconductor characterization at different temperatures
- Curing of components & glues using temperature ramps

## Technical specifications

- Dimensions
  - Diameter: 15 mm
  - Overall height: 14 mm
  - Pin length: 6 mm
  - Pin diameter: 3.2 mm
- Temperature range at air: RT - 200°C
- Temperature range in vacuum: RT - 450°C
- Temperature resolution: 0.1°C
- Temperature accuracy:
  - Tolerance class B according to DIN EN 60751
- Heating-up time from room temperature:
  - 100s to 100°C, 200s to 400°C
  - (in vacuum, depending on vacuum level)
- Cooling-down time from 400°C:
  - 100s to 200°C, 300s to 100°C
  - (in vacuum, depending on vacuum level)
- Pressure range: 1E-7 mbar to atmospheric pressure

## Further information

- Contact us at [info@kleindiek.com](mailto:info@kleindiek.com)
- Find your local agent at [www.kleindiek.com](http://www.kleindiek.com)