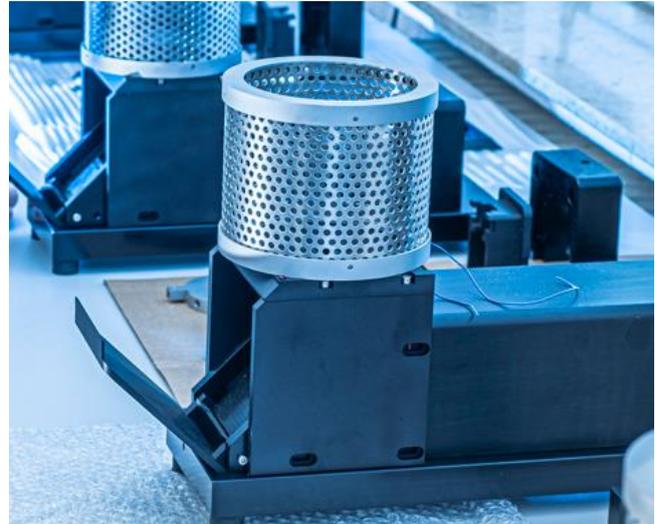


## Determination of thermal properties of thin films

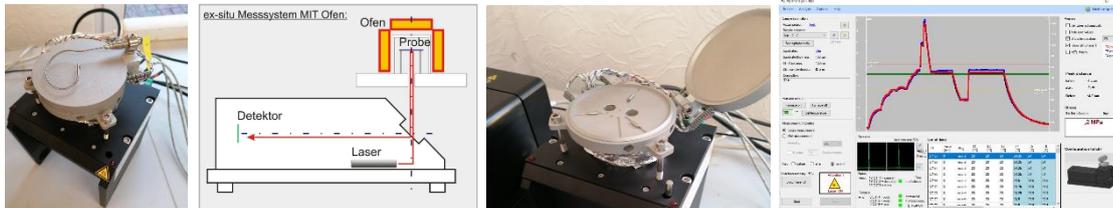
# Furnace for SIG-500SP

Extension for the determination of thermal stress in thin films and coatings



### Principle:

The furnace is simply mounted on the SIG-500SP measuring system. The laser beams for measuring the sample enter the furnace through openings on the bottom side. There they are reflected by the sample and directed to the detector. While the sample is heated or cooled, the curvature of the sample can thus be determined in real time.



### Features

- Easy and fast installation
- Small furnace volume allows fast heating rates
- Simple and fast specimen installation

### Substrates

- Any geometry < 60mm x 60mm can be used
- Planar, at least one side must mirror
- Substrate thickness determines measurement accuracy

### Software

- SIG-500SP operating software
- - Programmable heating ramps
- - Safety monitoring and warnings

### Technical data

- P = 200W
- $T_{max} = 250^{\circ}\text{C}$
- Heating rate approx. 20K/min
- L x W x H: 20cm x 20cm x 35cm
- Weight: 3kg
- 24V DC (external power supply 110V/230V to 24V)