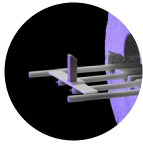




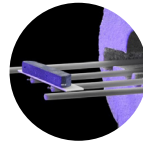
## OPTICAL DILATOMETRY PLATFORM ODP 860 Series

- Flexible, scalable platform
- Vertical and Horizontal Optical Dilatometry
- Heating Microscopy
- Fleximetry
- Flash mode for up to 200°C/sec heating and cooling
- Blue LED source for maximum resolution



### Vertical Optical Dilatometry

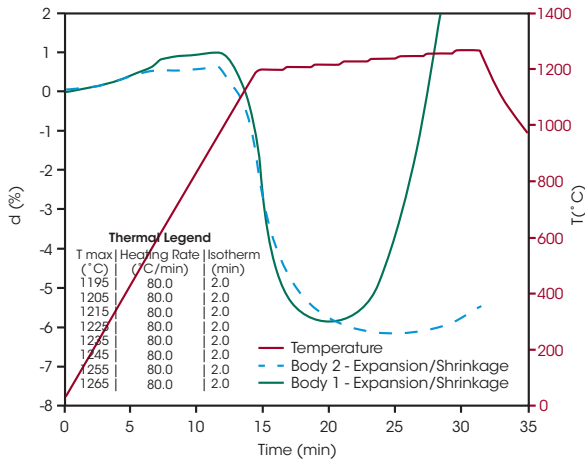
- Sample is placed vertically for frictionless measurement
- TA's patented absolute technique for True Differential measurements
- Sintering studies and powder specimens



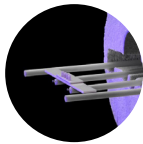
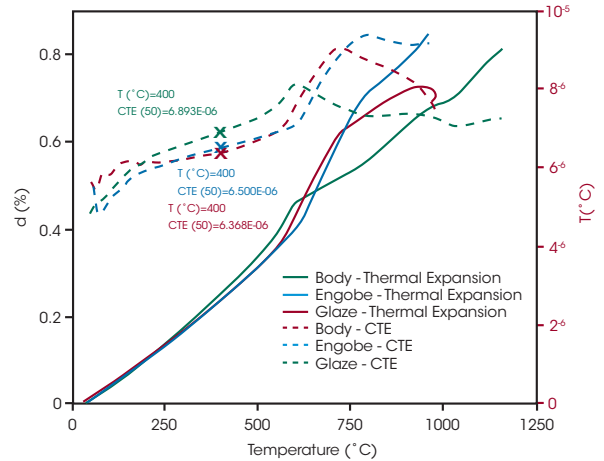
### Horizontal Optical Dilatometry

- TA's patented absolute measurement technique
- Two HD Cameras for True Differential contactless measurement
- Measurement of dimensional changes up to the melt

Sintering Analysis - Stepped Heat Treatment Up to Overfiring



Horizontal Dilatometer - Thermal Expansion Up to the Melt



### Heating Microscope

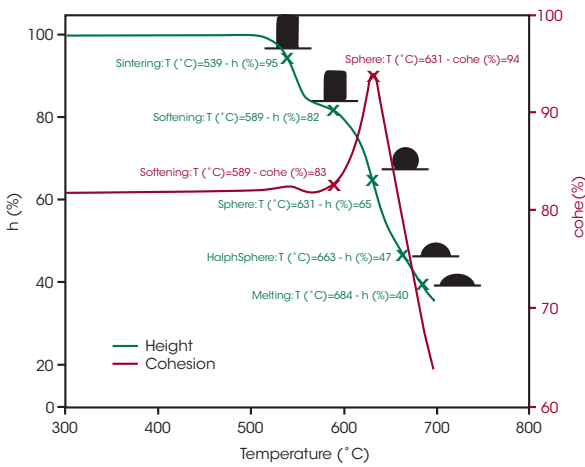
- Frames whole sample with one HD Camera
- Records digital image of sample behaviour at the change of temperature
- MorphometriX™ for precise automatic characteristic shapes identification



### Fleximetry

- Bending experiments on samples 25-30mm or 80-85mm long
- TA's patented absolute measurement technique with three HD cameras
- Pyroplasticity and multi-components compatibility studies

HEATING MICROSCOPE: automatic determination of characteristic shape's temperatures



OPTICAL FLEXIMETER: Pyroplastic Deformation of Ceramic Bodies

