

# Dilatometer



**Model:** DIL 402C, Netzsch, Germany

**Features:**

- (a) Temperature range:  $-150^{\circ}\text{C}$  to  $1600^{\circ}\text{C}$
- (b) Heating and cooling rate:  $0.01\text{K}/\text{min}$  –  $50\text{K}/\text{min}$
- (c) Sample Holder:  $\text{Al}_2\text{O}_3$
- (d) Atmosphere: Inert, oxidising, reducing and vacuum
- (e) Sample size: 50mm (length), 12 mm (dia)

**Applications:** Measurement of the thermal expansion coefficient of glass, ceramic and allied materials. Dilatometric softening point and glass transition temperature determination. Sintering study.

**Locations:** Centralized Characterization Facility