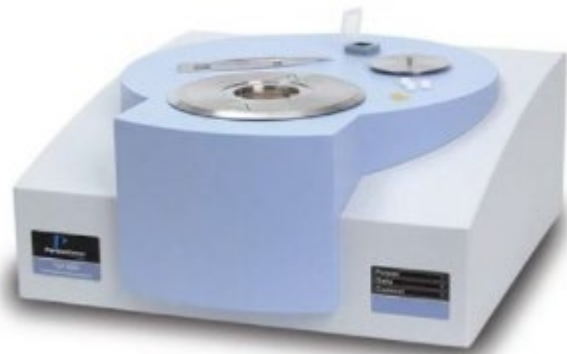


# Perkin Elmer TGA 4000



In Thermogravimetric Analysis (TGA), the mass of a sample is measured over time as the temperature changes. This provides information about phase transitions, decomposition, absorption and desorption as well as chemical phenomena.

- Typical applications of thermogravimetry are the measurement of absorbed moisture and the characterisation of associated hydrates. The loss of solvents other than water may also be measured and, in addition, the degradation of samples in different purge gas atmospheres may also be recorded as a function of time and temperature. It is an especially useful technique for the study of polymeric materials, including thermoplastics, thermosets, elastomers, composites, plastic films, fibres, coatings, paints and fuels.

## TGA 4000

