# STA 2500 *Regulus*

## A Highly Reliable and Fully Equipped Cost-Saving Instrument Package

#### **Excellent Cost Performance**

The STA 2500 *Regulus* features a highly reliable, fully equipped instrument package for STA measurements up to 1600°C at an attractive price.

#### **Top-Loading and Unique Differential Balance Arrangement**

The natural gas flow in the top-loading system guarantees automatic protection of the balance against condensation and contamination. The tailor-made differential balance system cancels out buoyancy and convection influences over a broad temperature range. This provides easy operation without the need for timeconsuming baseline runs.

#### **Various Atmospheres Available**

Measurements can be performed in inert and oxidizing atmospheres but also under vacuum. The atmosphere can be dynamic or static. The built-in mass flow controllers (MFCs) are software-controlled and allow gas changes at any time during the test.

#### **Ideal for Evolved Gas Analysis**

The top-loading design of the STA allows for convenient coupling to gas analysis systems such as FT-IR (Fourier Transform Infrared) spectrometer, MS (mass spectrometer), or GC-MS (gas chromatograph – mass spectrometer). During thermal treatment, the gases evolved can be simultaneously analyzed.