# STA 449 *****F1******Jupiter*®

## Fascinating Flexibility in Thermal Analysis

The STA 449 ***F1*** Jupiter® combines unlimited configuration flexibility and unmatched performance in just one instrument.

* Thermal stability, decomposition behavior, composition, phase transitions, melting processes to be analyzed comprehensively and quickly
* Easily to use top-loading system with exceptionally precise balance resolution
(25 ng resolution at a weighing range of 5g) and highest long-term stability
* Interchangeable sensors for DSC measurements with highest sensitivity and best reproducibility for reaction/transition temperatures and enthalpies as well as for measurements of specific heat
(videoclip for sensor exchange)
* A variety of optional system enhancements for ideal system adaption to user-defined applications
* Various furnaces, easily interchangeable by the user, available
(optional a swiveling double hoisting device for two furnaces) - please see accessories
* Pluggable sample carriers (TGA, TGA-DSC, TGA-DTA, etc.)
* Automatic Sample Changer (ASC) for up to 20 samples
* Automatic evacuation and refilling (AutoVac)
* Plenty of accessories, e.g. sample crucibles in the most varied of forms and materials
* Unique for STA: temperature-modulated DSC (TM-DSC)

By supplementary [**MS**](https://www.netzsch-thermal-analysis.com/en/products-solutions/hyphenated-techniques-evolved-gas-analysis/qms-403-aeolos-quadro/) and/or [**FT-IR**](https://www.netzsch-thermal-analysis.com/en/products-solutions/hyphenated-techniques-evolved-gas-analysis/ft-ir-coupling/) coupling even more comprehensive analyses are possible.

All these features make the new developed STA 449 ***F1*** Jupiter®the ideal tool for thermal analysis of materials in the fields of research, developments and quality assurance.