

# Press Release

## **Fascinating Flexibility in Thermal Analysis: The New NETZSCH STA 449 *F1 Jupiter*<sup>®</sup>**

Simultaneous Thermal Analysis (STA) is the term for the simultaneous application of the methods of Thermogravimetry (TG) and Dynamic Scanning Calorimetry (DSC) to one and the same sample. NETZSCH is again setting a new standard in this area with the introduction of its new STA 449 *F1 Jupiter*<sup>®</sup>. Unlimited configuration flexibility and unmatched performance are the foundations for a great variety of application possibilities in the fields of ceramics, metals, plastics, and composites over a broad temperature range (-150...2000°C). Quantitative determinations regarding thermal stability, decomposition behavior, composition, phase transitions and specific heat are only some of the many capabilities of the new STA – your customizable solution.

Consistency meets innovation: the proven top-pan sample arrangement in a highly vacuum-tight construction, complemented by a new exceptionally precise balance system with long-term stability (25ng resolution at a weighing range of 5g!) make the NETZSCH STA 449 *F1 Jupiter*<sup>®</sup> the locomotive of Thermal Analysis in the areas of research, development and quality assurance.

Its comprehensive standard configuration along with a multitude of optional system enhancements make the new STA a flexible and dependable partner today and in the future. Various furnaces are available which can be easily interchanged by the user; in addition, we offer a double hoisting device for two furnaces, pluggable sample carriers (TG, TG-DSC, etc.), an automatic sample changer (ASC) and plenty of accessories, such as sample holders in the most varied of forms and materials. A supplementary MS- and/or FTIR-coupling system turns the STA 449 *F1 Jupiter*<sup>®</sup> into a chemical analysis station!

Excellent service and accompanying application support round out this new top-quality STA.

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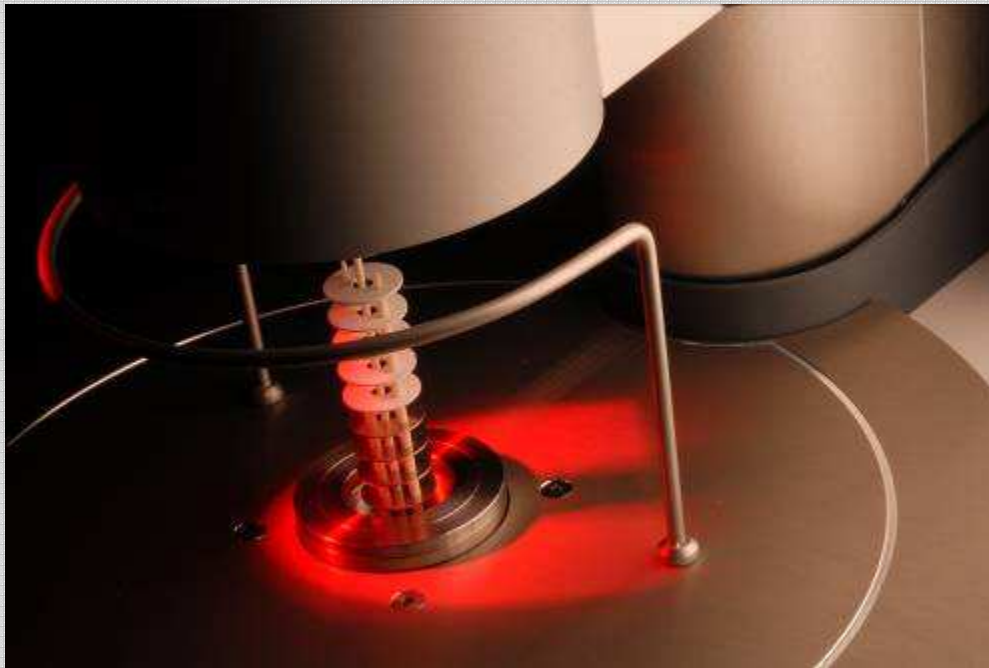
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Leading Thermal Analysis.

**NETZSCH**

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Fascinating flexibility – the STA 449 *Jupiter*<sup>®</sup> series fits with your demands

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Leading Thermal Analysis.

**NETZSCH**

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Flexibility fascinates –the new NETZSCH STA *Jupiter*<sup>®</sup> - and DSC *Pegasus*<sup>®</sup>-series rises with your demands

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Leading Thermal Analysis.

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Fascinating flexible work – effective and time-saving – exactly your imagination

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Leading Thermal Analysis.

**NETZSCH**

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Fascinating flexible – the STA 449 *F1 Jupiter*<sup>®</sup> ASC fits with your demands

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