

# Press Release

## **Ensure Quality. With the New Generation of STA and DSC by NETZSCH.**

Do you require effective, reliable thermal analysis for your quality assurance? Are you active in the areas of ceramics, metals, plastics or composites? The new DSC 404 **F3 Pegasus**<sup>®</sup> by NETZSCH is an outstanding heat flow calorimeter (DSC), while the STA 449 **F3 Jupiter**<sup>®</sup> can even simultaneously record the mass change (Thermogravimetry, TG) and the DSC signal on one and the same sample. These instruments can easily address many quality assurance issues over an extremely broad temperature range (-150°C to 2000°C): the composition of ceramics (e.g. binder content) or co-polymers, melting behavior, thermal stability, oxidation stability and glass transitions are only a handful of the many possible applications.

Highly efficient and dependable: The optional automatic sample changer (ASC) for up to 20 samples, the automatic evacuation and re-filling function, and the evaluation macros all provide for maximum efficiency, while the proven top-loading, vacuum-tight construction make the STA 449 **F3 Jupiter**<sup>®</sup> and DSC 404 **F3 Pegasus**<sup>®</sup> user-friendly and robust. Also setting standards in these instruments are many aspects of performance, such as high sensor sensitivity, a large weighing range of 35 g (at a resolution of 1 µg) and excellent reproducibility.

Unmatched flexibility: The modular design and the many configuration alternatives for these two instruments produce an almost unlimited array of application possibilities. Various furnaces are available which can be easily interchanged by the user, or alternatively, a swiveling double hoisting device for two furnaces is offered. Also, pluggable sample carriers (TG, TG-DSC, etc.) and many other accessories are available, such as crucibles in various forms and of different materials. In addition, the STA 449 **F3 Jupiter**<sup>®</sup> and DSC 404 **F3 Pegasus**<sup>®</sup> can be coupled simultaneously to MS and/or FTIR for gas analysis.

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