# DSC 404 *****F1******Pegasus*® – High-Temperature DSC

## Fascinating Flexibility in Thermal Analysis

The DSC 404 ***F1*** Pegasus®, High-Temperature Differential Scanning Calorimeter, is designed for the exact determination of specific heat of high-performance materials at high temperatures.

* Determination of thermodynamic properties of ceramics and metallic high-performance materials
* Performance of quantitative enthalpy and cp determinations in a pure gas atmosphere
* Vacuum-tight up to 10-4 mbar for creation of highly pure atmospheres for tests on materials sensitive to oxidation
* Characterization of amorphous metals, shape memory alloys and inorganic glasses

This DSC 404 ***F1*** Pegasus® stands for highest flexibility, excellent quality and optimal performance.

The DSC 404 ***F1*** Pegasus® comprises a high-capacity heat flux DSC for highly sophisticated application measurements.

The concept of the DSC 404 ***F1*** Pegasus® allows configuration for up to eight different furnace types, easily interchangeable by the user, for a wide temperature range within -150°C to 2000°C (please see accessories).

We offer diverse sensors for DSC and DTA measurements, various crucible types as well as a great variety of technical accessories.

The coupling to a [**FT-IR**](https://www.netzsch-thermal-analysis.com/en/products-solutions/hyphenated-techniques-evolved-gas-analysis/ft-ir-coupling/) or [**MS**](https://www.netzsch-thermal-analysis.com/en/products-solutions/hyphenated-techniques-evolved-gas-analysis/qms-403-aeolos-quadro/) is possible without problems.

An important hardware extension, like the automatic sample changer (ASC) for up to 20 sample and reference crucibles, and software features, such as ***[BeFlat](https://www.netzsch-thermal-analysis.com/en/products-solutions/software/proteus/)***® for an optimized baseline or the optional temperature modulation of the DSC signal (TM-DSC) make the DSC 404 ***F1*** Pegasus® the most versatile DSC system for research & development, quality assurance, failure analysis and process optimization.

The DSC 404***F1*** Pegasus®is the ideal tool for your daily laboratory work