



Collaboration between KRÜSS and LINSEIS for high-temperature contact angles

- Marketing of Drop Shape Analyzer – DSA High Temperature for contact angle measurements at up to 2000 °C
- Combined wetting and thermal expansion measurements for metallurgy, energy recovery and high-temperature coating
- Precise temperature control, high-quality image recording and analysis as well as and comprehensive documentation of the measurement

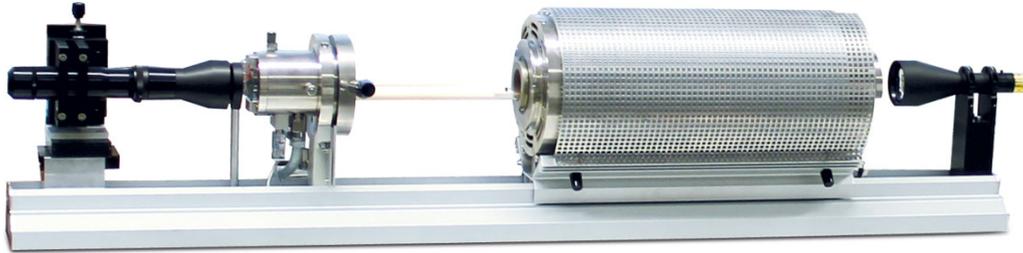
Hamburg, June 6, 2018 – Collaboration between two specialists: KRÜSS GmbH, global market leader in the field of contact angle measurement, and LINSEIS, as experts in thermal analyses, have established a new cooperative venture. With immediate effect, the two owner-managed family companies will be following a common path in the field of high-temperature contact angle measurement.

High-temperature contact angle measurements are of interest, for example, in energy recovery with mineral fuels, for investigating slag for blast furnaces or in the production of robust enamel coatings. With such coatings in particular, synergies can be utilized by combining the contact angle method and dilatometry. Wetting between carrier material and coating is just as important for their stability as the thermal expansion of the different phases.

Concentration will be on the marketing of the Drop Shape Analyzer – DSA High Temperature for analyses at up to 2000°C. The instrument, which is also capable of measuring thermal expansion and deformation, provides everything needed for accurate wetting analyses at high temperatures with the help of the contact angle. This includes precise and stable target temperatures, the accurate control of temperature ramps, the simple introduction of samples as well as contactless optical measurement with high-resolution CCD camera and powerful image analysis software. Simultaneous measurements of the contact angle and thermal expansion along with the melting deformation are particularly meaningful thanks to the continuous recording of the entire measurement in a video image with documented temperature characteristic. The system is also extremely flexible in the choice of ambient conditions. Measurements can be carried out in air (oxidizing atmosphere) or equally under inert gas, in reducing atmosphere or in vacuum.

As a result of the collaboration, LINSEIS will benefit from KRÜSS' expertise and market knowledge in the field of wetting analysis, while KRÜSS will be able to call upon LINSEIS' expert knowledge in high-temperature analyses and extend its market presence to new industrial and research fields. Both companies will be represented at AICHEM from 11 to 15 June in Frankfurt and will each be available as a point of contact for the link between contact angle measurement and dilatometry.
KRÜSS: Hall 4.1, Booth D77
LINSEIS: Hall 4.1, Booth F36

Photo



KRÜSS Drop Shape Analyzer – DSA High Temperature powered by LINSEIS

About KRÜSS

Advancing your Surface Science. As specialists in interfacial chemistry and the world's leading supplier of measuring instruments for surface and interfacial tension, we not only provide high quality product solutions – our offer is a combination of technology and scientific consulting. These include seminars and technical service as well as our Applications & Science Center for trainings and professional measurement services.

Our exclusive distribution network and our locations in Hamburg (Germany), China, the US, Great Britain and France allow us to provide fast, flexible support for R&D labs and in quality control throughout the world. Our expertise, precision, and passion have already convinced many prestigious companies in countless industries.

Contact

Ms. Li Xi
KRÜSS GmbH
Borsteler Chaussee 85
22453 Hamburg
Tel. +49 40 514401-30
pr@kruss.de
www.kruss-scientific.com

About LINSEIS

Thermal Analysis. More than 50 years ago, LINSEIS began manufacturing recorders and thermal analysis instruments. It was always our pleasure to take up the challenge to provide you with the instruments you required. Developing and producing instruments for thermal analysis takes committed research and a high degree of precision, which for us is a matter of course for the benefit of our customers.

Technology leadership is our aspiration. We develop and manufacture thermo-analytical and thermo-physical instruments with the highest level of precision, yet at a fair and reasonable price. Our innovative power and our striving for quality without compromise make LINSEIS one of the world-leading companies in the area of thermal analysis.

Contact

Ms. Alexandra Seizew
LINSEIS Messgeräte GmbH
Vielitzerstraße 43
95100 Selb
Tel. +49 9287 880-52
a.seizew@linseis.de
www.linseis.com