



Robot-assisted measurements of surface free energy for large samples

- Fully automated wetting analysis for large samples: new Large Surface Analyzer – LSA presented at the industrial fair Hannover Messe
- Fast, contactless, easy-to-program measurement sequence for quality assurance applications
- Comes in various sizes; custom models available upon request up to about 9 m²

Hamburg, March 25th, 2015 – KRÜSS GmbH will be at the 2015 Hannover Messe introducing the public to the Large Surface Analyzer – LSA, a positioning robot combined with the Mobile Surface Analyzer – MSA contact angle measuring instrument. The system performs fast, fully automated surface free energy (SFE) determinations at freely defined positions on large samples. Because it is easy to operate and program, this robot-assisted, scientific surface analysis system is particularly well suited to quality assurance applications on cleaned, pretreated or coated materials.

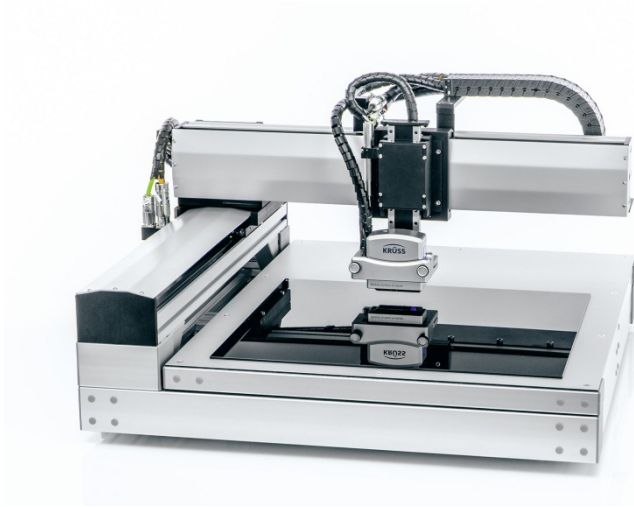
The MSA, with its ability to take measurements in less than one second, is the fastest mobile instrument on the market for determining surface free energy with two test liquids. It does this by means of a non-contact pressure dosing system that places two drops on the sample, followed by an automatic image analysis of each drop including contact angle measurement and SFE calculation. With our Large Surface Analyzer – LSA, these features are enhanced using the quick and precise positioning of the instrument between measurements.

The Large Surface Analyzer – LSA, which KRÜSS will present in the *Surface Technology* area of the 2015 Hannover Messe, has one vertical and two horizontal axes and is designed to handle sample sizes of 495 × 565 mm. A second standard model allows operators to position the instrument as desired on a surface of 2900 × 3150 mm. Upon request, customized systems in other sizes are possible. KRÜSS will be demonstrating the system to any interested visitors at booth G29, hall 3.

About KRÜSS GmbH

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, technical service, our Customer Support Lab and our Surface Science Center for professional measurement services. Our exclusive distribution network and our subsidiaries in Hamburg, 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.

Image



The Large Surface Analyzer – LSA for fully automated surface free energy determination on large samples

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