



## PRESS RELEASE

### From PIGMENTS to COATINGS, from ADHESIVES to COMPOSITES

LUM's analytical measuring instruments characterize particles, dispersions and composite systems – ECS Booth 5-337

Trends and technologies covering all aspects of the production of paints, varnishes, sealants, building chemicals and adhesives are presented during European Coatings Show (ECS) in Nuremberg, Germany, from 4-6 April 2017. The product portfolio of Berlin based LUM GmbH provides innovative analytical instruments for the characterization of the entire life cycle of materials.

Is the homogeneity of inorganic pigment mixtures of importance, e.g. for colouring speciality papers like banknotes, the LUMiReader X-Ray is used. The space and time resolved measurement of X-ray transmission profiles extends the use of this instrument to the applications with high concentrated suspensions and pastes as well as with nanoformulations.

For the quality control of raw materials, on the basis of their particle and or droplet size distributions, the Dispersion Analyser LUMiSizer is used for nanoparticles and the Separation Analyser LUMiReader PSA is used for microparticles. For the characterization of dispersibility and separation stability or shelf life the user needs to know the product properties in its original concentration. This requirement is fulfilled by both instruments, too. Depending on the formulation properties and application the samples are measured in real-time or directly physically accelerated, to obtain the information in time lapse mode, instead of waiting for weeks, months or even years.

Applying Centrifugal Adhesion Testing (CAT)-Technology the LUMiFrac instrument determines adhesive and bonding strengths of composites. So it is used not only for coatings and treated surfaces but also for the characterization of composite materials, e.g. in automotive or aviation industries. Featuring a large force range and a clamping-free sample preparation, the LUMiFrac offers a wide application range. The simultaneous analysis of up to eight samples provides the operator with a high sample throughput under identical test conditions.

LUM is pleased to be a selected sponsor of the parallel European Coatings Show Conference 2017 to support the further scientific development of those research areas.

The team of LUM GmbH welcomes you in hall 5 at booth 5-337.

Further information on ECS: <https://www.european-coatings-show.com/>

To European Coatings Show Conference 2017: <http://www.european-coatings.com/Events/European-Coatings-Show-Conference-2017>

LUM GmbH, Justus-von-Liebig-Str. 3, 12489 Berlin, Germany, Tel. +49-30-6780 6030,

Fax +49-30-6780 6058, [info@lum-gmbh.de](mailto:info@lum-gmbh.de), [www.lum-gmbh.com](http://www.lum-gmbh.com)