

Press release



In tune with Polish customers from industry and science New and expanded application laboratory at the Polish LUM partner NGLab

With the move to the new company headquarters at 05-506 Wilcza Góra [1] near Warsaw Airport, the Polish LUM distributor NGLab Sp.z.o.o. has also significantly expanded the application laboratory for the characterization of particle and dispersion properties. Based on STEP-Technology®, LUM measuring devices are now available for demonstrations, test measurements and contract analysis directly in Poland.

This means that customers in industry and science can now be directly supported in determining particle properties, such as particle surface properties (based on the Hansen solubility/dispersibility parameters), particle size distribution and particle density distribution. Thanks to the universal approach of the proprietary LUM-STEP Technology® using both X-rays and optical wavelengths, the direct stability and separation analysis of emulsions, suspensions and suspoemulsions in the original concentration is possible without sample pretreatment. From low-viscosity and low-concentration formulations to pasty and highly concentrated formulations. Both in real time and in time lapse (directly physically accelerated) in order to significantly reduce development and quality control times.

The MULTI-STEP approach is used for a large proportion of products in the cosmetic, paint, varnish, petroleum and lubricant industries, but also in agrochemicals and for selected product classes in the food and pharmaceutical industries. This enables comprehensive, multi-stage particle and dispersion analysis of a product in just one measuring cell.

1. Characterization of particle dispersibility and sample homogeneity by X-rays
2. Accelerated stability testing for all types of emulsions and suspensions using optical wavelengths
3. Understanding concentration gradients in inorganic sediments, detection of inorganic particles in supernatants by X-rays.

This is now being implemented directly by NGLAB in Poland, in its own application laboratory and on site at the customer's site.

Susanne Lerche-Merchant, CEO of LUM GmbH: "LUM GmbH has been serving the Polish market in trusting cooperation with NGLAB for many years. LUM always strives to provide the most comprehensive local support in the areas of application development, sales and customer service to the valued Polish members of the global LUM community, including users of LUM instruments. As market and customer requirements continue to evolve, LUM's range of solutions has continually expanded. The product portfolio is now broader and the knowledge deeper than when the first Polish customers placed their trust in LUM. LUM and NGLAB have developed further and set the course for a shared future in the interests of customers." In the area of materials testing, coatings and composite materials can also be characterized through close collaboration between both companies. In addition to the application fields mentioned above, other customers in battery and fuel cell research, lightweight construction and the automotive industry are also served.

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