

# NANOLOCKIN INTRODUCES ITS FIRST NANO ANALYTICS DEVICE



**NANOLOCKIN HAS SUCCESSFULLY DEVELOPED AND CE-MARKED THE CALORSITO ANALYTICAL DEVICE TO MEASURE NANOPARTICLES WHICH IS NOW READY FOR SALE.**

Nanoparticles are used in a wide range of applications, like medicine and therapeutics, the food and cosmetics industry as well as composite materials. NanoLockin has developed a patented analytical device which can analyse nanoparticles by their heating due to light absorption using lock-in infrared imaging.

The uniqueness lies in the simplicity of the measurement combined with a fast readout and no need for complex sample preparation, leading to significant time and cost savings for nanoparticle analysis.

"The Calorsito VIS-NIR operates at a wavelength range between 400 and 950 nm, whereby the wavelength can be freely selected by the user," says NanoLockin's co-founder and CTO, Dr. Tobias Fink. "A second instrument, the Calorsito UV, operates at a fixed UV wavelength of 320 nm and is currently under development in our lab. This allows the analysis of different types of nanomaterials."

"Our business model is the sale of the analytical devices to academic and industrial research laboratories as well as analytics laboratories. Furthermore, NanoLockin is offering the measurements as a service," explains co-founder and CEO, Dr. Christoph Geers.

Prof. Dr. Gunter Festel, co-founder and business angel, is definitely convinced: "The market for such measurements is attractive, as nanoparticles are helpful in many applications, but the risk potential has to be evaluated and understood to create sustainable products".

## **ABOUT NANOLOCKIN**

NanoLockin is developing, producing and selling instruments for nanoparticle analysis. The company was founded by Christoph Geers, Tobias Fink, Gunter Festel and Mathias Bonmarin as spin-off of the Adolphe-Merke-Institut in Fribourg and the ZHAW school of Engineering, and is winner of the innovation award of Fribourg 2018/2019.



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