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trinamiX presents *trinamiX PAL Two*, a robust, versatile mobile NIR spectrometer for the feed industry

LUDWIGSHAFEN, Germany, Nov. 7, 2024 – At EuroTier 2024 in Hannover, trinamiX is showcasing its new mobile NIR spectroscopy solution specifically designed for the feed industry. The centerpiece of this solution is the portable NIR spectrometer trinamiX PAL Two. This mobile analysis solution enables the measurement of feed samples directly on site, eliminating the need to send them to a laboratory. With trinamiX PAL Two, both dry and wet samples, such as silage, can be measured right at the silo with the simple push of a button.

In addition to the trinamiX PAL Two spectrometer, trinamiX's solution includes a user-friendly app, diverse applications, and a customer portal for detailed evaluations. This "lab in your pocket" allows for feed measurement anytime and anywhere, providing reliable results immediately. The data empowers feed suppliers, consultants, and farmers to make quick decisions on site without the need to send samples to an external lab.

The development of trinamiX PAL Two leveraged the company's extensive expertise in spectroscopy, incorporating both proven technologies and innovative solutions. Experience in the smartphone and automotive sectors also contributed to its design. trinamiX PAL Two features a design without moving parts, making it particularly robust. The goal was to provide a versatile, powerful, and convenient solution for use in agricultural operations.

The features of trinamiX PAL Two

This robust handheld device is ergonomically designed for comfortable one-handed operation. It includes the rotator, an easy-to-attach accessory for measuring heterogeneous samples. This accessory ensures that feed samples with uneven structures, like silage, are analyzed at multiple locations to yield reliable assessments of the overall sample. Measurement results are displayed immediately on the spectrometer screen as well as on the smartphone.

With the accompanying app, "trinamiX Guide," PAL Two is especially user-friendly. The app guides users step-by-step through the measurement process, assisting with preparation and execution. Additionally, it offers a clear overview of data and features such as measurement history and campaign management. The "trinamiX Guide App" is compatible with smartphones and tablets operating on both Android and iOS systems.

About trinamiX GmbH

trinamiX GmbH develops cutting-edge biometric and mobile NIR spectroscopy solutions, which are used in both consumer electronics and industrial designs. The company's products enable humans and machines to better capture data with the goal of understanding the world around us. This results in improved decision making as well as stronger biometric security. trinamiX, based in Ludwigshafen (Germany), was founded in 2015 as a wholly owned subsidiary of BASF SE. The company employs over 230 people worldwide and holds more than 750 patents and patent applications.

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