

MoistTech to Showcase the IR3000 Series Moisture Sensor at the 2025 International Powder & Bulk Solids Conference & Exhibition

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[MoistTech Corp.](#), the global leader in moisture measurement and control, will showcase its advanced IR3000 series moisture sensors at the upcoming International Powder & Bulk Solids Conference & Exhibition to be held April 29th – May 1st, 2025 in Chicago, IL. These sensors are designed to enhance efficiency and product quality in the powder and bulk solids industry.

The IR3000 series utilises cutting-edge Near-Infrared (NIR) technology to provide precise, real-time, non-contact moisture measurement across a wide range of powder and bulk materials. Accurate moisture control is crucial in this industry, as moisture levels can significantly impact product flow, compaction, dissolution rates, particle structure, and stability. By maintaining optimal moisture levels, manufacturers can ensure consistent product quality, reduce the need for extensive laboratory testing, lower production costs, minimise rework, and maximise energy efficiency.

One of the standout features of the IR3000 is its zero-drift design, which guarantees consistent accuracy over time without the need for recalibration. This reliability allows operators to make immediate process adjustments based on real-time data, leading to increased productivity and reduced downtime. Additionally, the sensor's ability to integrate seamlessly into existing process control systems enables the creation of a closed-loop process, offering full control over production lines.

The IR3000 is also engineered to withstand harsh manufacturing environments. Its robust construction

ensures durability, making it suitable for challenging conditions commonly found in the powder and bulk solids industry. Furthermore, the sensor's non-contact measurement approach eliminates product contamination and reduces maintenance requirements, contributing to overall operational efficiency.

By implementing the IR3000 series moisture sensors, manufacturers in the powder and bulk solids sector can achieve precise moisture control, leading to improved product consistency and operational efficiency.