



# Moisture Measurement in Minerals

MoistTech has experience in thousands of applications worldwide and offer both online and laboratory moisture control sensors for the continuous reading of moisture measurement and laboratory NIR sensors for spot tests near lines or in quality control labs.

MoistTech utilizes near-infrared (NIR) technology that allows for a non-contact solution to provide accurate moisture content readings. Insensitive to material variations such as particle size, material height & color, the sensors provide a continuous, reliable reading with zero drift and no maintenance. There is a one-time calibration with a non-drift optical design allowing operational personnel to make immediate line adjustments based on real-time measurements.

Moisture measurement is critical in all aspects of the mining process, which is why manufacturers are constantly adjusting moisture to maintain the quality of their product. Advances in real-time sensing, data collection and analysis, and interpretation helps determine the characteristics of the materials prior to processing, providing process efficiency and optimization.

Regular measurements of moisture in minerals remains a necessity for control of drying, thereby reducing treatment costs. Small variations and excess moisture in mixes can result in clumping, effecting quality and consistencies.

## INSTALL

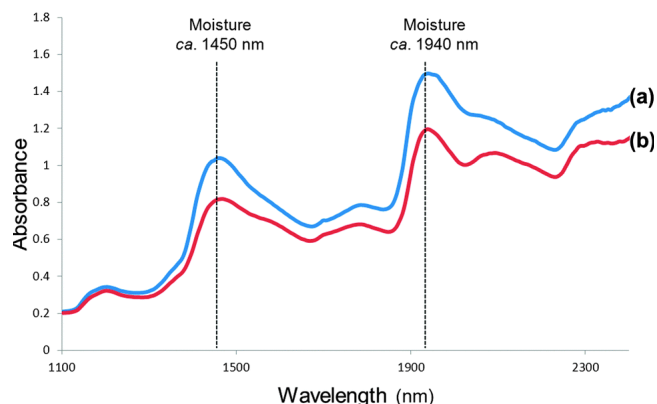
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

Installing a moisture measurement and control system prevents bad product due to undesirable moisture levels. Fine tuning the setup and process of the manufacturing line allows for instant improvements both in the product and in the efficiency in which it is produced.

## IMMEDIATE BENEFITS:

- Improved Product Quality
- Lower Waste & Energy Costs
- Process Optimization
- Increased Plant Efficiency
- Dryer Control
- Reduced Downtime

An ideal moisture control system accurately detects the moisture levels at different stages of the process, is easily maintained and has the ability to withstand even the harshest of manufacturing conditions. The IR-3000 series of sensors manufactured by MoistTech are specifically designed to be unaffected by ambient light or material variations to be able to provide continuous, repeatable, accurate readings to improve the manufacturing line and product.



“The addition of the MoistTech IR3000 has provided me with the ability to control our process by instantly increasing or decreasing material flow into the dryer. Prior to the MoistTech technology proved to be a guessing game and time consuming!”