



# Moisture Measurement in Sludge

MoistTech provides moisture sensors to monitor the moisture content during the drying process, giving complete control in real time over the manufacturing process, providing non-contact, instant measurements.

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.

The critical concern of moisture content exists in sludge applications as the excess moisture content can not only effect the product but also the equipment being used and the operational efficiency of the plant.

## INSTALL

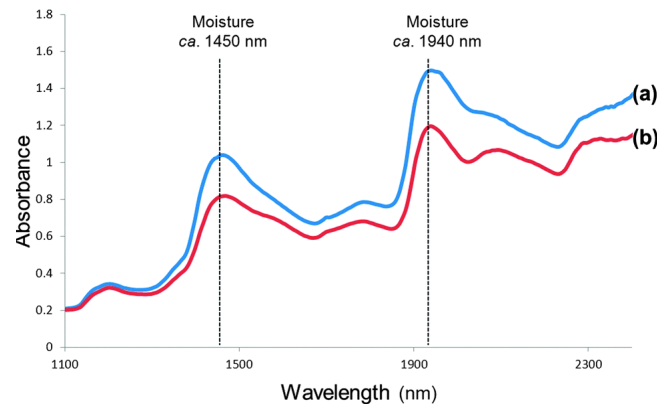
We recommend installing a sensor after the feeder press, prior to the dryer or after the filter press for disposal to reduce shipping charges and environmental problems. In the case of incineration, we recommend installation prior to the drum dryer where solids are controlled to approximately 12%.

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!”