



Moisture Measurement in Resin Plastic Pellets

MoistTech's online IR3000 series sensor accurately displays the moisture content of resin/plastic pellets, flake or regrind in percent or parts per million. Non-contact, instant and accurate moisture levels are taken every second to provide manufacturers with direct control over the process line.

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 installation of moisture measurement and control sensors prevents bad product due to undesirable resin moisture levels. Whether it was simple regrind material that was under dried or unusable molds and lost material due to brittle nylons, discoloration, splaying, bubbling or streaking from over drying.

All sensors are instant with hundreds of points of data measurement per second providing you with real time accurate measurements. MoistTech's equipment is a one-time calibration with a no-drift optical design to ensure the accuracy and repeatability needed.

INSTALL

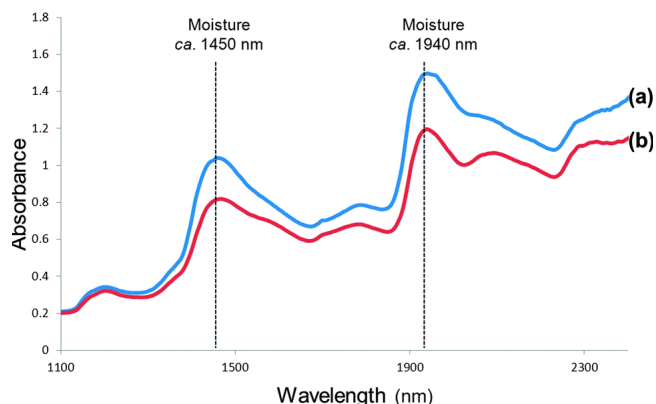
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

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!”