



Moisture Measurement in Chicken Meal

Production of animal feeds such as chicken meal, rely heavily on moisture measurement and control to ensure the proper consistency and quality of the final product and overall manufacturing process. The ability to measure moisture and make instant process adjustments during the production cycle is key.

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.

Chicken meal is the dry rendered product from a combination of clean flesh and skin with and without accompanying bone, derived from whole carcasses of chicken, exclusive of heads, feathers, feet and entrails. Chicken meal is mainly used in animal feed and pet foods. In this process there is a high moisture content along with fat and protein, which can all be measured by one device.

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.

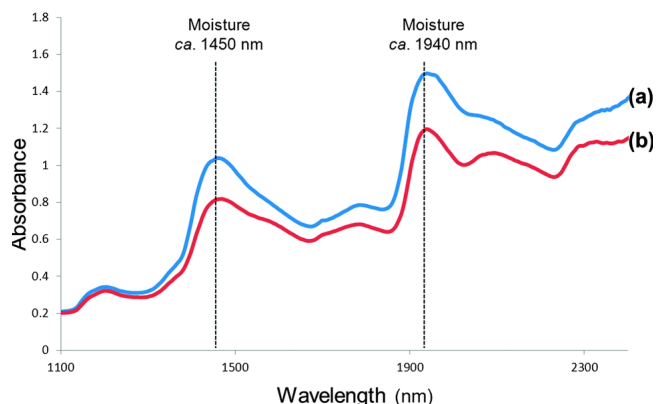
Installing a moisture measurement and control system prevents bad product due to undesirable moisture levels. Fine tuning the setup and process of the manufacturing line allows for instant improvements both in the product and in the efficiency in which it is produced.

Dryer effectiveness is critical and because they can be costly to operate, installing a sensor prior to the dryer will monitor the moisture levels going in, allowing better control over the dryers operating temperature.

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!”