



Moisture Measurement in Grains, Flour & Seeds

Moisture control in grains, flour and edible seeds and nuts is critical to product quality; oil content is required in seed and nut processing to ascertain oil yields and in products such as rolled oats to achieve nutritional value.

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 in the production of grains, flour and edible seeds and nuts is desirable at numerous stages during the manufacturing process, while measurement of protein in products such as wheat flour. This enables the blending of softer and harder flours or the addition of gluten to achieve a flour with the properties required for end uses such as baking bread.

With varying moisture content in grains, flour, nuts & seeds, online NIR moisture measurement is a key tool in ensuring optimum efficiency and quality control. The ability to measure moisture and make process adjustments during the production cycle is key.

INSTALL

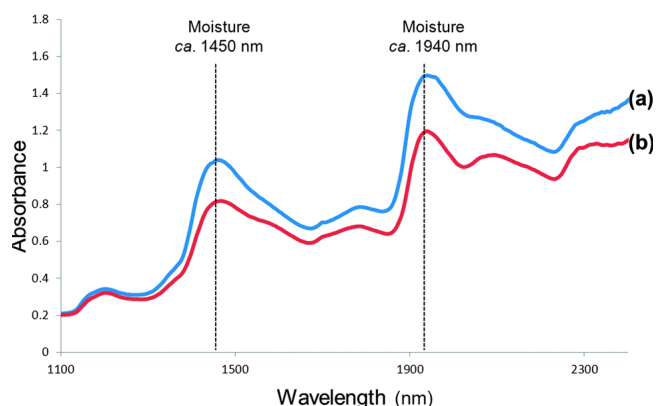
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

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!”