



Moisture & Coating in Pressure Sensitive Adhesives

Moisture plays a critical role in the manufacturing of products with pressure sensitive coatings. Many pressure sensitive applications require a strict moisture content regulation during the production process, the end quality becomes inferior and product waste occurs.

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.

Pressure sensitive adhesives are a unique form of adhesive that are permanently tacky at room temperature. They adhere to substrates under pressure via polar attractive forces rather than forming chemical bonds; the two most common types are rubber and acrylic based. To accurately measure pressure sensitive coatings, a reliable moisture sensor is an indispensable tool.

Measuring coat weights is also an important factor during paper converting for the precise control of films, water-based adhesives, resins and hot melt glue applications.

INSTALL

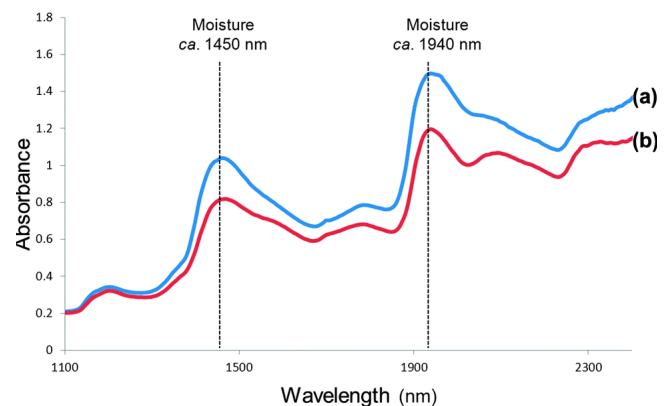
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC

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!”