



# Moisture Measurement in Oriented Strand Board (OSB)

Correct moisture levels in the manufacturing of oriented strand board (OSB) is a critical component during various stages of production.

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 control of both infeed and outfeed will result in better resin addition, reduced energy usage and a high quality material prior to blending. Fiber quality can be influenced heavily by moisture content and incorrect resin addition can not only waste money but can cause dramatic process interruptions.

In addition to improved resin control, precise control of raw material fiber provides an extra benefit of high quality board properties. The resin moisture addition will result in significant cost savings. The major benefit will be on the forming line when the press will not have any down time due to blown boards, a common result of high oriented strand board moisture content finish.

## INSTALL

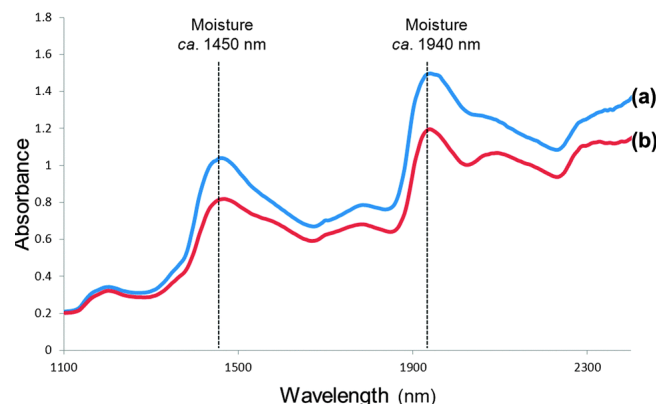
The on-line sensors can be installed into any hopper, silo, material line, belt or screw conveyor and the moisture results are displayed onto an external display or PC.

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!”