

Moisture & Thickness in Plastic Films

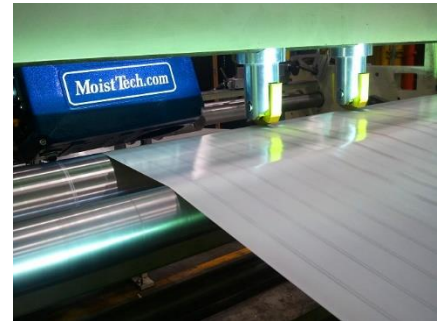
MoistTech Instant NIR Online Moisture & Thickness Sensors

When producing plastic film—whether for camera film or packaging—consistency is critical to the quality of your product. Maintaining the ideal thickness for your plastic films is the difference between a quality, product to provide your customers and waste.

MoistTech specializes in moisture testing—but that isn't all our instruments do. The MoistTech IR-3000 is a moisture sensor capable of taking accurate readings of product thickness, as well as temperature, chemical based coatings, and chemical composition.

There are many instruments on the market that test thickness alone. Yet, to achieve the highest quality plastic films, much more is required. The IR-3000 was developed through our years of experience and research and helpful feedback from our industry partners. Meaning, it has the latest, most relevant technology and highest performance capabilities. Why buy an instrument with only one function when you can get one that does it all?

The IR-3000 is ideal for use as a film thickness moisture analyzer. It takes instant, non-contact readings wherever you need them on the production line. Designed for efficiency, the IR-3000 reduces start-up and down times, boosting plastic film quality and dramatically decreasing waste.



PVB Film and Plastic Pellets

Auto and glass window manufacturers have been plagued by excessive moisture in PVB when laminating their product. The IR3000 can measure the raw film prior to use in production and more interestingly after the window and/or windscreen has been completed. By physically passing the laminated product through the IR beam moisture can instantly and accurately be determined.

As with any textile manufacturing process, controlling PBV plastic pellet moisture during production is critical to the product's final quality. By measuring the moisture, the producer can ensure the quality of the product and sell it at the appropriate price. The cost of the product is usually calculated based on the weight of the pellets, and the moisture affects this.

Typical moisture accuracy is about $\pm 0.05\%$, with coating accuracy varying from 0.1 to 0.01 micron, depending on the coating type. A typical analog range is 0-10% moisture. The outputs can be adjusted to optimize recording requirements or PLC.

For more info on this application please contact us at info@moisttech.com or 941-727-1800