



## Control Your Quality by Managing Moisture

Successfully casting in plastic requires the right amount of moisture for all grades of plastic being manufactured. Excess moisture in and around the plastic pellets can **weaken** the structural integrity of the plastic, cause clear plastics to become **cloudy**, and hurt the finish of the product. On the other hand too little moisture can cause the product to be **brittle** and prone to **cracking**. Quality material cannot be produced without the right amount of moisture. Moisture isn't just a headache for quality control at a company; it also raises production costs and can slow down the process. Dryers are commonly employed at plastic manufacturers to decrease the moisture in the pellets, but **without a way to test a sample from the dryer, casting becomes a costly process of trial and error.**

Arizona Instrument LLC is the manufacturer of **Computrac® Moisture Analyzers**, the answer to your plastic problems. These instruments can determine the amount of moisture in your plastics before they are cast. **A Computrac® will test your sample in minutes** instead of the hours that the traditional methods require and give you the information you need to make a decision. This speed and accuracy makes a Computrac® perfect for the plastic resin industry.

With a Computrac® you can pull a sample of resin from a drying rack, quickly determine the moisture content, and know whether it is ready for injection molding or not. Being able to test the moisture content on the production floor between the drying ovens and injection process allows quality control to **manage potential defects before the defects occur**. This new found oversight means less product thrown away at the end of the line and less energy wasted. In this process, the value of a Computrac® Moisture Analyzer speed is not only for convenience, but it is also necessary to ensure the plastic doesn't absorb moisture from the atmosphere, while you wait for a test. Our best models for the plastic industry are the Computrac® Vapor Pro®, the Computrac® MAX® 2000XL, and the Computrac® MAX® 4000XL.

The Computrac® Vapor Pro® uses a moisture specific sensor to eliminate common interferences. It also has built in statistical analysis, which is particularly useful when testing the reliability of dryers over time. The Computrac® MAX® 4000XL is an easy to use programmable tool, which means you can spend less time preparing and testing and more time producing. All of our models are made of tough materials to withstand the harsh conditions of a production floor. With a Computrac® from Arizona Instrument you'll save time and money by streamlining manufacturing and reducing the amount of scrap material caused by moisture.

*Contact Scott Gifford today at:*

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