NEWS RELEASE

Contact: Patricia A. Hirst
Marketing Coordinator
RJG, INC.
3111 Park Drive
Traverse City, MI 49686
pat.hirst@rjginc.com

Phone: 231-947-3111
Fax: 231-947-6403
http://www.rjginc.com

Press Fit Temperature Sensor

RJG developed the Press Fit Cavity Pressure Sensor as a tool to analyze temperature variation inside the actual mold cavity. These sensors work in conjunction with RJG's *eDART*™ Process Control System to assist molders in diagnosing processing problems relating to temperature issues such as broken heater bands or blocked water channels.

The press-fit cavity temperature sensor is simple to install by drilling a small hole for the wire, and a flat bottomed pocket with the tolerance necessary to press fit the device in from the cavity face. Installation costs are over 50% less than that of other temperature sensors. Locate the sensors near areas where short shots, dimensional errors or warp are likely to occur. To detect non-uniform cooling, the sensors should be placed in strategic locations of the mold to catch any inconsistencies.

The best use of temperature sensors for control is with valve gates, particularly well when there is little or no pressure at the point you wish to actuate a gate. For example you can open a gate when the flow front just passes the gate by placing a temperature sensor there. A sudden rise indicates the arrival of the flow front.

Temperature sensors can play a critical role in detecting cooling inconsistencies that cannot be detected by the machine controller, making them a valueable tool for troubleshooting processes.