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Contact: Milko Gergov / MGV Enterprises, LLC
Tel: 734-477-9344 Fax: 734-477-9345
[e-mail](#)

IntelliMold™ Injection Molding Process Honored by the Society of Plastics Engineers Automotive Division

Ann Arbor, Mich., (Nov. 10) - IntelliMold™ was honored on Nov. 9, by the Society of Plastics Engineers (SPE) Automotive Division at its 30th annual Automotive Awards Night for an application of its proprietary Intellimold™ closed-loop injection molding process with customer DaimlerChrysler. Termed "The Academy Awards of the Plastics Industry," the SPE established the awards in 1970 to recognize innovation in automotive plastics. IntelliMold™ technology was the winner in the "Process/Enabling Technologies" category.

IntelliMold™ recently announced that it would license the proprietary Intellimold™ technology to non-competing companies.

Intellimold™ is the first injection molding technology that measures and controls pressure and temperature inside the mold cavity. The resulting improvements in molding press performance reduce scrap and rework, warping and cycle times while improving repeatability, mechanical strength and surface quality.

The IntelliMold™ process, which has broad applications in industries such as medical products, telecommunications, computers, aerospace and even athletic gear, operates like an "auto pilot" to achieve consistent performance for injection molding machines.

IntelliMold™ is based on a simple principle: you can't control what you can't measure. The technology uses pressure transducers inside the mold cavity and the nozzle to measure, in real time, and control the molding through a closed-loop system. The transducers read pressure and temperature electronically every two milliseconds or less to guarantee that each mold fills completely and evenly.

"Licensees will find IntelliMold™ of significant interest because it eliminates uncertainty, replacing black art in the molding process with scientific controls," said Laura Schoppe, Manager of Commercial Programs for Research Triangle Institute. "As a result, molders will achieve greater control, quality and output, which drive cost savings and enhanced profitability."