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Continuing to be a successful business in the Custom Injection Molding arena is a considerable challenge. Our success at Advent is directly attributable to a focus on more complex parts, resins and processes. Systematic implementation of RJG equipment has played an important role in our ability to provide value to our customers by more efficient and effective molding operations.

Advent's first RJG application was a high volume, very small, feature rich automotive part. Production volumes for this part were projected at 50 million parts per year, so relying on a traditional inspection plan would be cost prohibitive. A team was organized and given the task of defining and evaluating alternate methods. Through an exhaustive investigation and evaluation, an RJG solution was selected, tested and implemented.

The solution consisted of an Advent designed & constructed 16 cavity mold incorporating a cavity pressure sensor in each cavity. The team integrated the data collection equipment with an Arburg press. Then they developed the processing and monitoring parameters to assure parts were produced to print.

The results have been remarkable; since Advent started production of this part over 5 years and 250 million parts ago, we have not shipped a defective part to the customer. Based upon this success, the production team has upgraded 8 presses with eDART Systems™ incorporating a wireless network for remote monitoring.

Since the initial tool, Advent has constructed and is currently running over 30 tools that incorporate cavity pressure sensors. Advent experience and demonstrated capabilities with RJG equipment has been instrumental in our successful bids for these projects.

The future is never certain; change is necessary and inevitable. Advent's plan is to change faster than the natural rate thereby continuing to offer outstanding value. Technology is fundamental to this approach and RJG's technology has proven essential.

Ken Desrosiers  
President  
Advent Tool and Mold Co.



**RJG, INC.**

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