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**585-254-2000** TEL

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MORE THAN A  
**Custom Molder**

**Advent Tool & Mold Inc** provides our customers with complete engineering solutions to meet their requirements for highly engineered custom plastic components and assemblies. From its world-class facilities in Rochester NY, Advent utilizes the latest technologies available in the marketplace as well as Lean/Six Sigma manufacturing practices to join forces with our customers – ultimately bringing customer engineering designs to full production capability on time at world-class cost.

**WHERE BROAD CAPABILITIES INTERSECT INDIVIDUAL FOCUS:**

We supply our customers much more than custom injection molding, **Advent Tool & Mold Inc** takes the most exacting customer requirements to the next level with our state-of-the-science **comprehensive manufacturing services**. From product development launch on up, we work with you collaboratively. We provide services from prototype through design and build of precision molds and into world class production of plastics parts and assemblies. Delivering single-source capabilities for your company's most demanding product development challenges and global outsourcing needs, the Advent Team's bottom-line objective is always to identify the **lowest achievable cost** without compromise to product design integrity.

**Identify your  
LOWEST  
ACHIEVABLE  
COST**

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QUALITY

Integrity since 1971



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Advent works with **RJG**, a provider of process control systems, cavity pressure sensing technology and processing training. See more of our industry partners...



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#### CONTACT US

585-254-2000 TEL

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OR BY E-MAIL

Contact Jim Murphy directly to see how we can work together to achieve your challenging part and assembly designs.

1-585-254-2000, x202  
email

[jmurphy@adventtool.com](mailto:jmurphy@adventtool.com)

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#### ADVENT SPECIALTY:

## Automotive

Widely known as an experienced, full-service provider to the automotive industry, Advent brings not only a wealth of knowledge but much creativity to solve engineering challenges typical to the automotive market. Our 'in-house' design and engineering skills, combined with our automation expertise and secondary value-added operations, are second to none for superior results to meet your decorative interior, exterior trim, "under-the-hood", and precision automotive needs. As a major supplier to many automotive Tier ones, Advent's industry innovativeness has earned it consistent recognition and repeated awards.



#### The ADVENT Record of Success:

### Case Study



While diminutive in size, this automotive part is mechanically functional and feature-rich. Not only does it boast production requirements in the 50,000,000 pieces per-year range, it has the usual cost requirements that leave little room for error.

**CHALLENGE:** Manufacturing 50,000,000 parts per year and delivering 100% "to-print" parts to our demanding customer, all at a competitive price – all of the time.

**SOLUTION:** Realistically assessing that traditional inspection methods would be too cost-prohibitive, Advent designed and built a 16-cavity mold with cavity pressure sensors to monitor each and every cavity individually. Advent's team then implemented RJG data collection equipment with an Arburg injection molding press, and developed a molding process with parameters that assured parts were "to-print". Finally, the team integrated diversion equipment to quarantine any suspect parts.

**THE RESULT?** Five years of defect free parts (250 million) delivered to our customer

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