

**Automated Part Containment:
300 million parts with no rejects to the customer**

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ABSTRACT

In today's global economy absolute quality to the customer is the world standard for any successful molder. While all molders talk about world class Lean manufacturing and total quality, the fact is that most are still attempting to "sample and sort" their way to total quality with little success. Is there available technology to allow totally automated quality for injection molded parts?. Advent Tool in Rochester, New York, USA, asked this question and the result was a System designed and implemented over 3 years ago. This system has resulted in over 300 million parts delivered to the customer without a documented reject!. This paper describes the relationships of reject types and molding process variables which resulted in the successful implementation of this system which has now has been expanded to a multi-machine system.