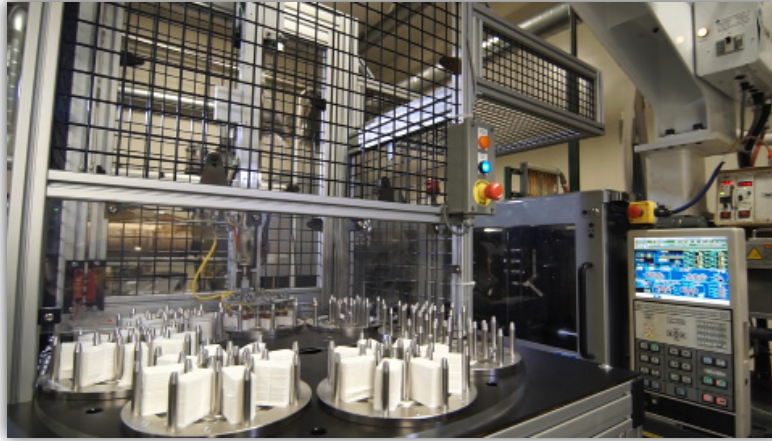


Crescent Achieves 18% Cost Savings and Increased Throughput for Customer



Challenge: Increased production requirement from under 2 million parts to over 4 million parts annually for a Reagent Dipstick.

Solution: Crescent Industries received this injection molded project as a tool transfer from our customer due to vendor consolidation. We proposed fabricating a new injection mold to produce the product. Based on our experience and an year-over-year production requirements of this part, we proposed a new 8 cavity, hot runner injection mold.

Benefit: This new 8 cavity, hot runner mold provided a per piece cost reduction and had no problem keeping up with the current 2 1/2 million parts as well as the continued increase in production requirements.

Challenge: Production requirement doubled again and required a full time operator to meet the packaging requirements for downstream use.

Solution: We established a fully automated, dedicated work cell to produce this product. The automated work cell was designed by Crescent's internal automation specialists and engineers working in conjunction with our outsourced partner. The automated work cell consists of the 8 cavity, hot runner injection mold, end of arm tooling unloading the molded parts and placing them on an automated turntable. The product is stacked on the turntable by how many parts go into a packaging sleeve.

Benefit: The production requirement is now over 4 million parts annually and does not require a full time operator. This helped our customer keep up with the more than doubled product demand and achieve an 18% cost savings.



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