

# McPHERSON PLASTICS

## Objectives

McPherson Plastics is a custom injection molding company in Michigan that specializes in high-precision products and tooling designs for automotive, medical, and electronic industries. They implemented SYSCON International's PlantStar monitoring system for 16 machines and quickly began to gain control over their production cycles. For example, they immediately identified and repaired the sticking valves that were causing poor machine efficiency and scrap. When they added 16 new machines, the PlantStar system helped manage this growth. McPherson Plastics met customer schedules and achieved 88% uptime while moving equipment and testing new molds.

## Solutions and Results

Almost immediately, McPherson was able to leverage the insight from PlantStar data to pinpoint manufacturing defects in their machines that had long contributed to their own production problems. Rather than guessing at the trouble or replacing the machines, McPherson isolated the issue using PlantStar and received free replacement parts from the machine manufacturers. Their production numbers and quality improved so dramatically that they doubled the number of machines in the plant and even during that expansion maintained 88% up-time with PlantStar's powerful monitoring and insight

Over the years, the McPherson Plastics team has taken advantage of PlantStar MES to realize added benefits, including:

- Use of the Alert Paging feature for machine downtime and to let relief machine operators know they need to get to their machines before the shift change.
- Stronger customer relationships. The McPherson Plastics employees share accurate and easy-to-understand data with customers so they can see the true costs of their production runs. Production data also helps the sales department accurately quote and get new jobs—prospective customers appreciate that McPherson Plastics is using technology to make the company more quality conscious, more productive, and more price competitive.
- Confidence to pursue new markets. With the ability to deeply analyze and fully understand their molding costs and production performance, McPherson Plastics is highly confident when approaching new customers and even whole new markets. They can show in great detail what it takes to bring a new product to market. New customers gain confidence immediately when they see real-world data to support McPherson's pricing and recommended launch strategy. The ability to diversify and expand their client base is a tremendous asset to the company.

### ✓ Results

- maintained 88% up-time and met customer deadlines during major equipment expansion
- Stronger customer relationships
- Confidence to pursue new markets



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