

Plastics manufacturer streamlines processes with Oden

Problem

In this manufacturer's product line, achieving the right density is absolutely key. Low density jeopardizes product performance while high density can lead to raw material being wasted and product being overweight.

Before using Oden, an operator was required 24/7, all year round to physically test the density of a sample every hour for every line. Any issues could not be corrected until the next density check.

Solution

Despite numerous attempts to automate the measurement process, none were successful. The company turned to Oden.

- Oden created a calculation to determine material density in real-time based on data collected directly from the production equipment
- This eliminated the need for hourly checks, freeing up 9,000 labor hours to focus on other value-add activities
- By enabling the real-time display of density, Oden empowers the monitors to detect issues immediately and rectify them, saving valuable material and machine hours during the production process
- Oden also automatically plots real-time measurements of compound throughput and giveaway, enabling manufacturers to visualize the complete process picture, and increase process control
- Ongoing tracking of this data also enables processes to be optimized for speed and material while maintaining the necessary density

Improvement

With Oden, the manufacturer is saving time and labor, and therefore increasing revenue. But most importantly, it is able to continue to deliver on its promise of delivering high-quality products to its customers.

9,000 labor hours freed to focus on value-add activities

30% increased productivity by process engineers

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