

Recovering From Employee Departure

October 2023

Issue:

Paint Waste, Rework & Labor Costs Impact Profitability

A leading automotive brake supplier began to experience irregular surface finishes and color discrepancies in their paint application processes and reached out to Saint Clair Systems.

The supplier expressed these

irregularities had created a variety of concerns for the company including paint waste, rework, as well as increased labor costs that were all impacting profitability and competitiveness in the market.



Analysis:

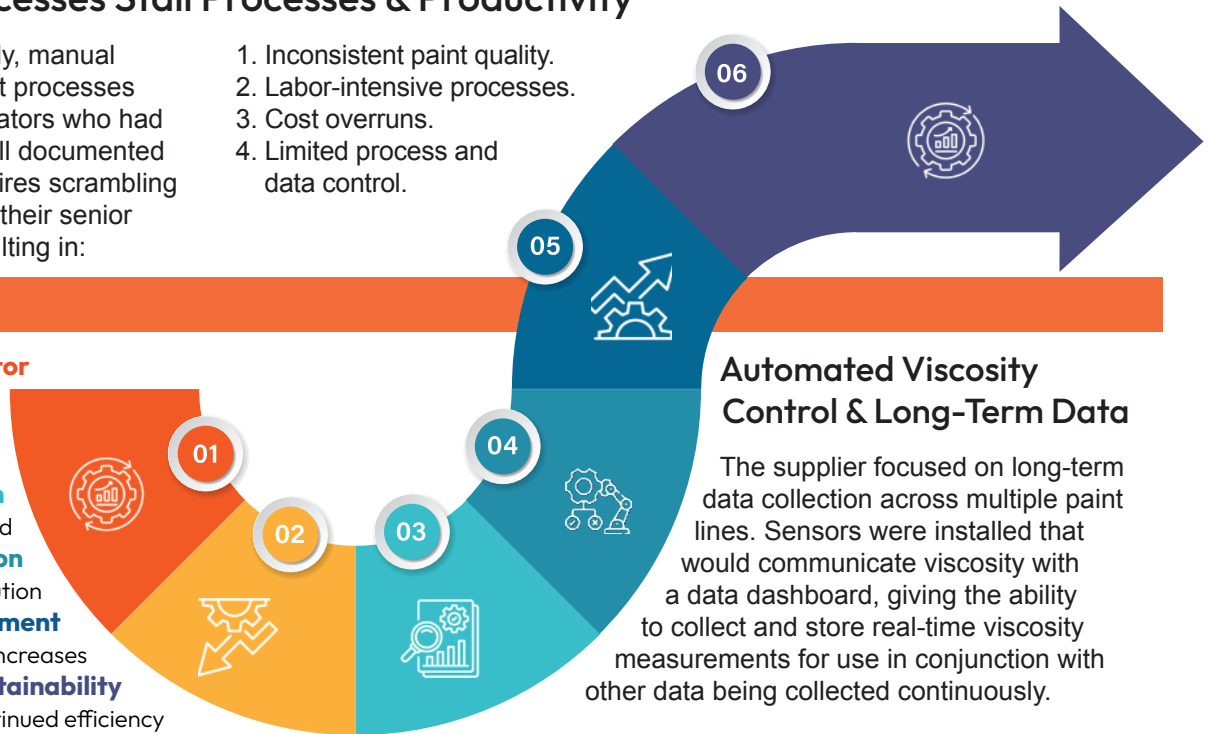
Antiquated Processes Stall Processes & Productivity

It was discovered daily, manual viscosity measurement processes taken by multiple operators who had departed, were not well documented if at all. This left new hires scrambling to measure as well as their senior counterparts had, resulting in:

1. Inconsistent paint quality.
2. Labor-intensive processes.
3. Cost overruns.
4. Limited process and data control.

Solution:

- 1. Disruptor**
experience departs
- 2. Issue**
productivity drops
- 3. Evaluation**
technologies considered
- 4. Automation**
scalable solution
- 5. Improvement**
productivity increases
- 6. Sustainability**
continued efficiency



Automated Viscosity Control & Long-Term Data

The supplier focused on long-term data collection across multiple paint lines. Sensors were installed that would communicate viscosity with a data dashboard, giving the ability to collect and store real-time viscosity measurements for use in conjunction with other data being collected continuously.

Results & Blog :

Automated Inline Viscometers Herald in Lean Manufacturing

For this supplier, the installation of inline viscometers has taken the burden of tedious measuring from the operators, allowing them to focus on throughput and quality.

The fear of losing an operator and the transfer of knowledge is no longer

a concern, as the viscometers provide more accurate readings and provide an infinite number of data points. This data provides real-time calculations allowing you to make accurate comparisons and to plan for long-term improvements.



Learn More at:
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Viscosity.com

P: 586-336-0700

12427 31 Mile Road
Washington, Michigan