

Is CONTROLLING TEMPERATURE IN THE MIX ROOM ENOUGH?

ISSUE:

Automobile Manufacturer's Application Temperature Issue

An automobile manufacturer contacted SCS after repeated, failed attempts to maintain point-of-application temperature.

Its material showed a 13°F variation at point-of-application, and it was experiencing multiple quality issues as a result.

The first step in solving a problem is to recognize that it does exist.
- Zig Ziglar



ANALYSIS:

The Perfect Conditions for a Temperature Exchange

The initial review indicated a common configuration. The mix room was temperature controlled and the material was in a circulation loop with a heat exchanger properly sized to maintain the desired temperature.

Looking into it further, SCS discovered that the problem was occurring after the circulation loop. The material path was long and was routed through a cold basement.

Even with tubing insulation, this combination of the long path and the cold temperature created the perfect conditions for an uncontrolled dispense.

SOLUTION:

Point-Of-Application Technology Implemented

Centralized temperature control systems designed to protect and control the material as it flows through the circulation system are widely used and can be a very important tool in the overall control of the process.

But they are ill-equipped to address the variations at the point-of-application, where the actual business of creating a uniform, high-quality finish is performed. For that, a specialized control system is required.

A system that can eliminate variations that are introduced between a carefully controlled circulation system and the applicator was needed.

RESULTS & BLOG :

Uniform, High-Quality Finishes Achieved

After implementing point-of-application temperature control, the automobile manufacturer was able to achieve the uniform high-quality finishes desired.

The implementation of SCS's automated system reduced process variability by over 85%, reduced downtime, man-hours, and waste.

Read about this experience at viscosity.com, and how SCS may be able to help you achieve optimal performance with fluid dispensing that is easy to install, easy to understand and easy to operate.

Learn more at:
viscosity.com/blogs



ADDRESSING FLUID DISPENSING ISSUES BRINGS IMPROVEMENTS



**PERFECTED FLUID
DISPENSING ACHIEVED!**



**COOL ENVIRONMENT
ADDRESSED.**



**MATERIAL'S SURFACE
EXPOSURE ADDRESSED.**



**CURRENT TEMPERATURE
CONTROLLED SYSTEM
ADDRESSED.**



**RECOGNITION OF
ISSUE.**

