

## EASE OF INSTALLATION & USE

### ISSUE:

### Good News Brings Western Europe Coil Coatings Companies Together

Good news travels fast. Soon after Saint Clair Systems, SCS, commissioned an automatic temperature and viscosity control system to a coil coatings company in Western Europe, significant

improvements and reductions in defects and variability resulted.

The good news reached a colleague, who requested a facility tour to evaluate the new viscosity control system and results.

Upon arrival, it was evident the system was doing exactly what had been shared. What was not expected was how easy the install went for the manufacturer.

### ANALYSIS:

### Assumptions of a Long Process Stalls Action

The colleague assumed the install would mean the plant would have to be shut down. He believed the implementation to be complicated, time-consuming, and expensive, causing him to hesitate its install. The install was not only well-

orchestrated, but quick, relatively inexpensive and did not require much of the plant manager's assistance. In fact, the entire process was accomplished in the same timeframe as scheduled maintenance or a changeover.

### SOLUTION:

### Set Up, Start Up, and You're Ready to Reduce Variability

*Setup* requires mechanical and electrical knowledge, drums, tubing, and a pump. Most companies employ their maintenance team, hire a contractor, or ask for a reference. And SCS remains available and advises throughout the process.

A fully automated temperature and viscosity control system arrives with a:

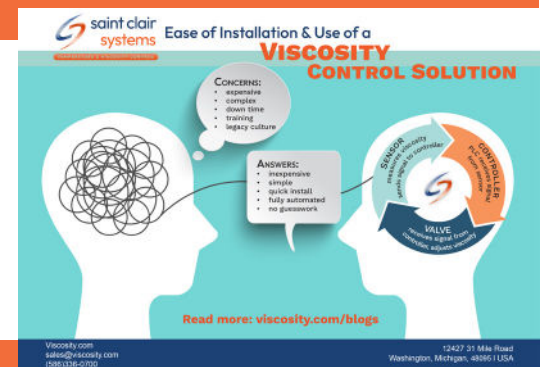
1. Controller: mounted in an enclosed or explosion-proof area. The operator inputs desired viscosity setpoint here.
2. Viscometer: is plumbed into the

fluid line to measure and compare viscosity to the setpoint programmed into the controller.

3. Valve: releases additive (virgin material, solvent, or water) into the fluid line to maintain the setpoint.

With the control system in place, SCS reviews check points and conducts a full assessment of the install.

Finally, a SCS launches a *startup*, taking measurements to verify the system is operating optimally.

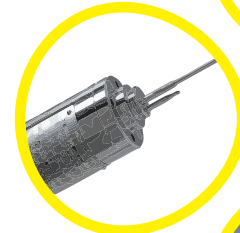


Automatic viscosity systems include:

1. controller



2. viscometer



3. valve



### RESULTS & BLOG :

### Minimal Investment, Maximum Return

This minimal capital investment results in reductions of variability by over 97 percent. As well as these cost saving measures:

- Reduces: labor costs, waste, energy consumption.
- Increases: efficiency, productivity, profitability.
- Optimizes: material usage, time, talent.



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