

Automobile Spray Painting: Oy Saab-Valmet Ab

Application Note 102

Oy Saab-Valmet Ab is a major car manufacturer in Finland. In the 1980s they put on-line a computer controlled spraying system.

After evaluating Norcross and several other viscometers, Norcross was chosen because we were able to deliver the required sensitivity and reliability.

Saab production required holding viscosity to $\pm .5$ cp, which is equivalent to $\pm .1$ DIN cup second.

The final installation consisted of 22 M8B measuring elements with digital controllers.

Each measuring element was dedicated to a single mix tank.

The Controllers read out in DIN or ISO cup seconds. The controllers fed data to a host computer system via the 4-20mADC output.

The host computer system monitored tank temperature and performed temperature compensation as well as determining when to add make up solvent.

