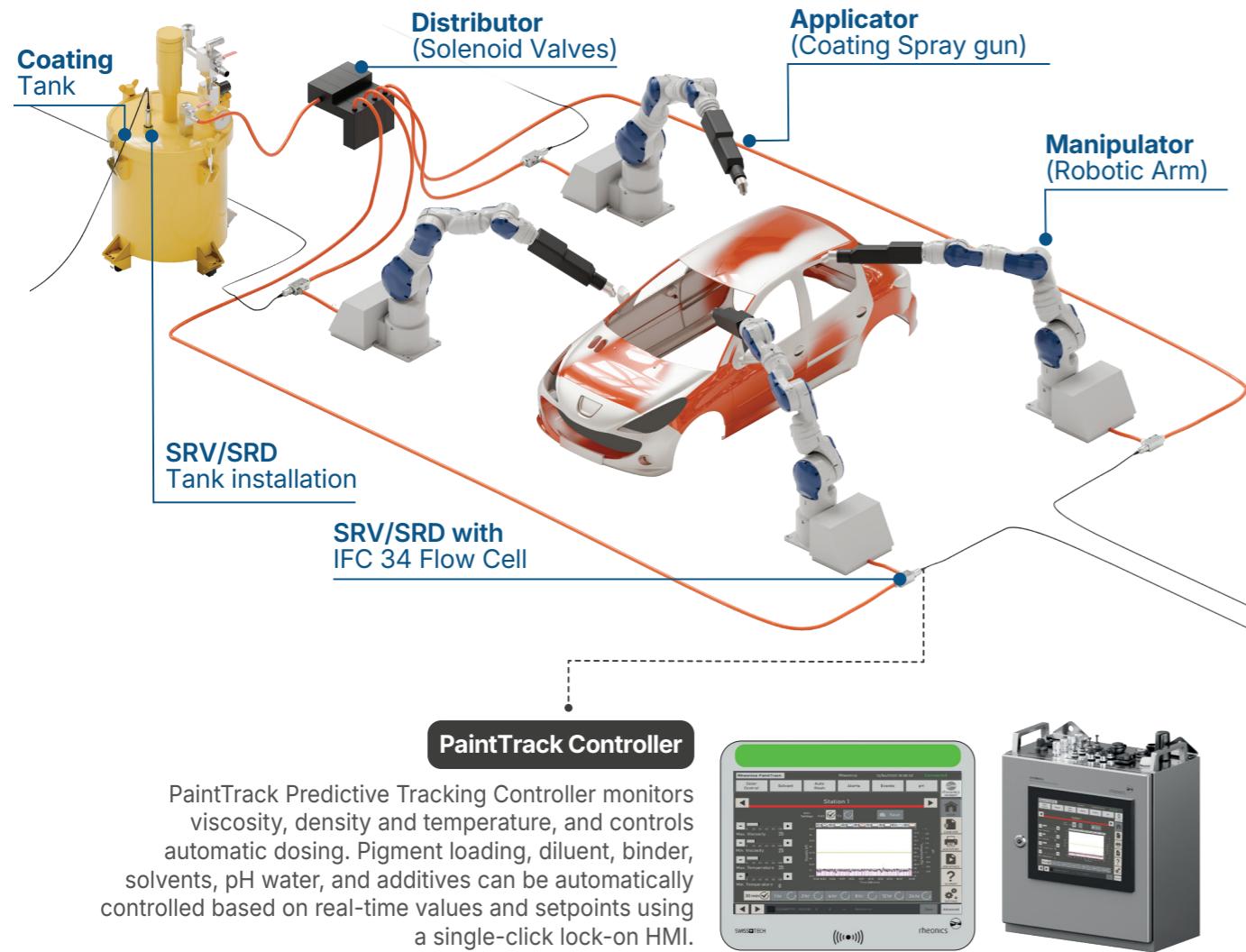


Complete Coating Production Ecosystem:

Monitoring and Control



Ready to optimize your Coating Production performance?
Request your quote today to maintain full control over your Coating Production ↓



✉ info@rheonics.com

📞 +1 713 955 7305



Precision in Coating Production

Achieve unmatched product quality and efficiency with real-time, inline viscosity and density management for flawless coating production.

- Paints
- Inks
- Epoxy
- Polyurethane
- Specialty Coatings



Real time Inline coating viscosity and density tracking and control

Industrial Challenges

Paint viscosity is the critical parameter that dictates the quality, consistency, and efficiency of any coating process. It governs how well the paint flows, atomizes, and forms a uniform film on the target surface.

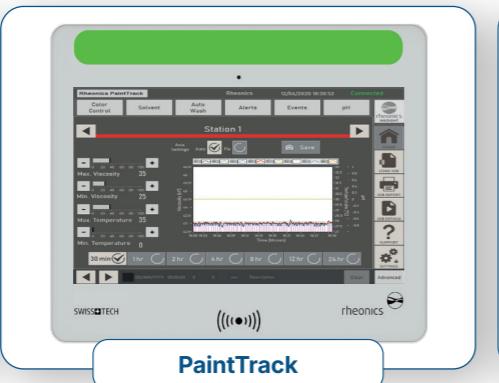
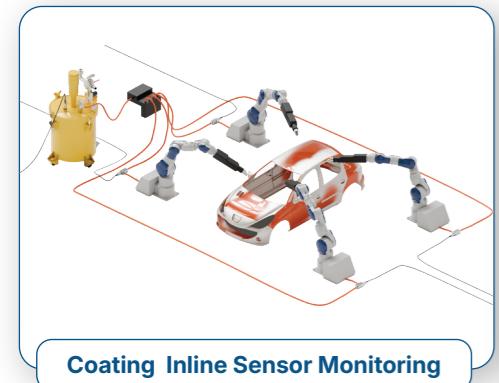
Inaccurate viscosity leads to costly quality issues such as orange peel, sagging, poor transfer efficiency, and inconsistent film thickness. This requires precise viscosity control to ensure flawless application and repeatable, high-quality results.

Relying on manual tools like viscosity cups provides only a snapshot in time and is highly prone to operator error. This inconsistency results in a reactive approach to process control, leading to wasted material and non-productive time (NPT).

Rheonics sensors enable the automatic adjustment of paint viscosity before the point of application, ensuring perfect and consistent material properties from the beginning to the end of every production batch.

Rheonics Solution for Coating Production

To transform the challenges of coating quality into efficient and sustainable processes, Rheonics offers a complete platform for fluid monitoring and control. Our advanced sensors provide continuous, real-time viscosity and density measurements, allowing us to provide an integrated system that includes:



Key Benefits of Rheonics monitoring



Optimize Coating and Reduce wastage of pigment and binders



Higher Operator Trust
Eliminates manual measurement



Completely Automate
Clears the way for complete automation eliminating human error



Rugged sensor probe for tough environments



Efficient operations
Reduction in man hours by 40%



Reduced costs
Automated control cuts labor, downtime, and fluid waste

Type-SR sensors for Coating Industry



SRV

for inline process viscosity & temperature measuring



SRD

for inline process viscosity, density & temperature measuring

- Repeatable measurements in Newtonian and non-Newtonian Fluids:** Our balanced torsional technology ensures stable, high-accuracy readings across all fluid types, maintaining consistency regardless of shear rate or complex rheological behavior.
- Hermetically sealed, available in 316L and Hastelloy C22:** Featuring a robust, maintenance-free design with no moving parts, these sensors offer superior chemical resistance for even the most corrosive industrial environments.
- Built-in fluid temperature measurement:** An integrated high-accuracy RTD provides real-time thermal data, allowing for precise temperature-compensated viscosity and density readings without extra installation ports.

Certifications for Type-SR Sensors



ATEX



IECEx



KCs



JPEx



EHEDG



3-A



UL



cULus

EtherNet/IP


PROFINET



Fieldbus

4-20 mA


Modbus



HART

Add-Ons



Wireless Data Integration



Mounting accessories



pH and Level add-on sensors



Thermal Management