



Inline viscosity management solution for the flexo printing industry

RPS **InkSight**® measures and controls ink viscosity with unparalleled resolution and stability enabling tight and consistent color control from start to finish on every print job. Its accuracy and reproducibility allow rapid and automatic setup of stored print jobs for repeat orders.

Viscosity is the single most important variable for printing color quality. The RPS InkSight system maintains the highest **color quality** standards through tight and accurate viscosity control.

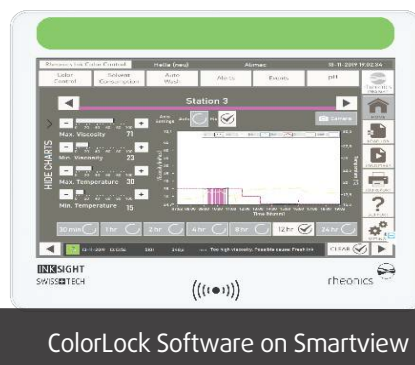
Efficiency starts with setting up a job. Being able to nail the proper viscosity for all stations without cut-and-try tinkering means rapid job turnover, keeping machines printing instead of idling.

Printing with correct viscosity improves more than just print quality. It saves expensive pigments and solvents, improving **profitability**.

RPS InkSight optimizes the use of solvent and ink creating environmentally friendly and **sustainable** printing.



Inline ink monitoring



ColorLock Software on Smartview



Integrated Operator Console on Press

Highest print quality
Tighter viscosity control gives tighter color control



More efficient operations
Makes viscosity direct bridge to spectro standards



Reduced printing costs
Optimizes ink & solvent use



Easy scalability
Saves and Loads Jobs for repeat orders



Reduce Solvent Emissions
Operators report 40% reduction



Better Operator Safety
Eliminates manual measurement



Completely Automate
Provides the missing link in full press automation

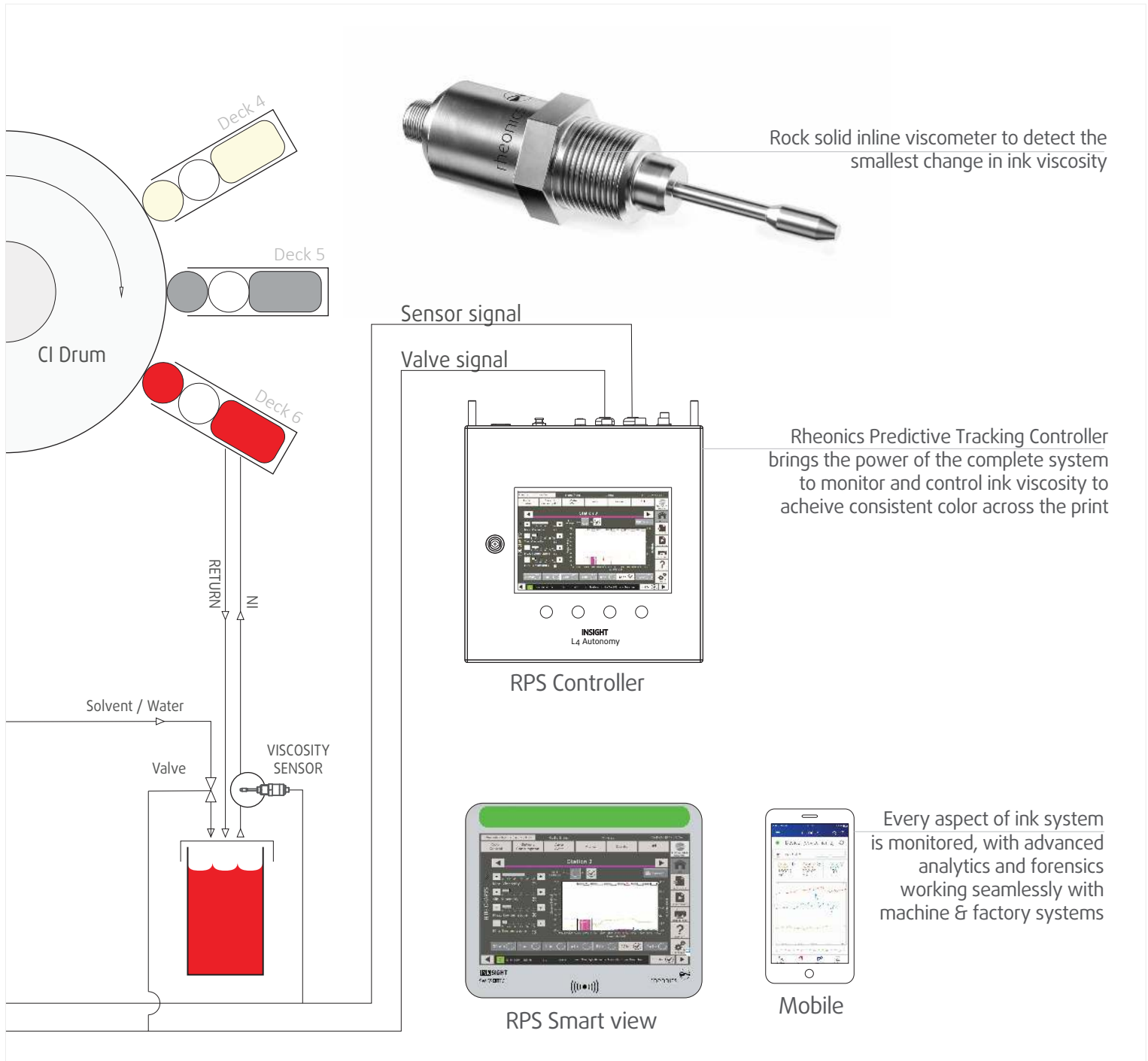


Data-driven Decisions
Tracks and traces every job



Automatic ink control

Level 5 autonomy



Add-Ons



Smart wash



pH system



Solvent Delivery
& Level system



Thermal
Management

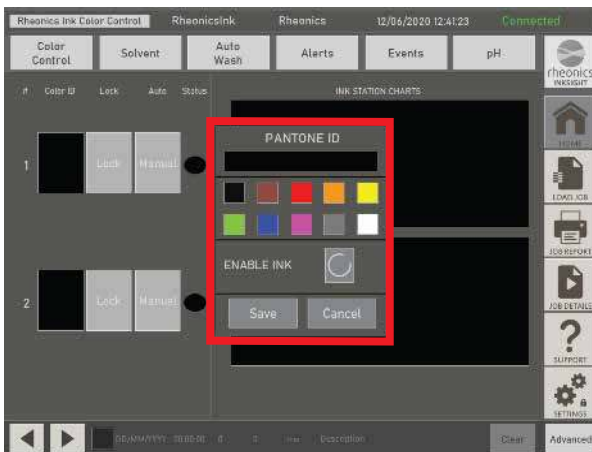
Operating modes of the system

Operator focused design

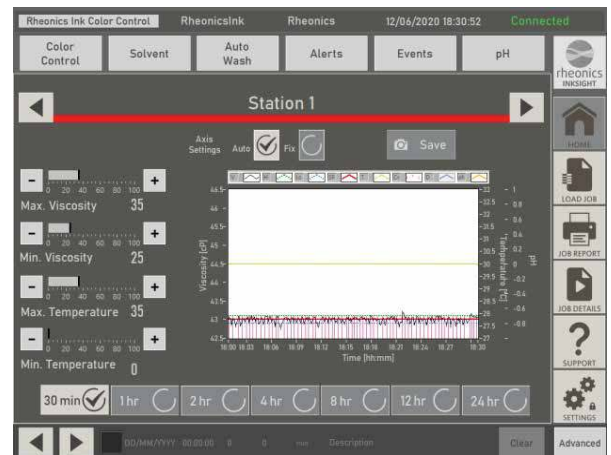
A single button places the full power of the RPS InkSight in the hands of the operator.

The operator enables "Ink Station" on the RPS InkSight ColorLock screen.

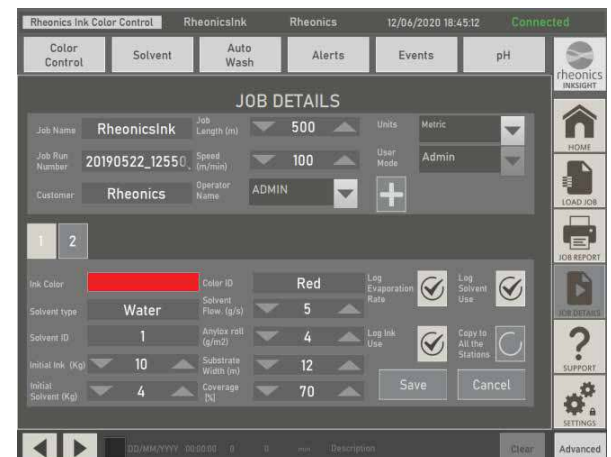
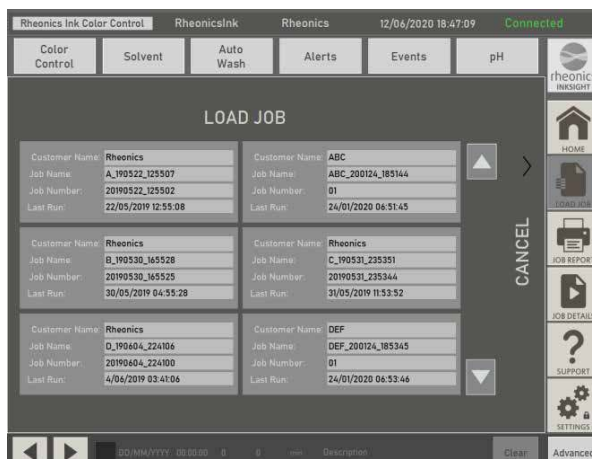
Click on Color ID, then type the Pantone ID, select color, click checkbox to enable station and save.



The 'Lock' button has two functions: selects current measured viscosity value as the setpoint and enables automatic control across the print run.



The viscosity setpoints, tolerances, pantone ID, color, name of the run, and other job details are stored in a job configuration file. Saved jobs can be loaded into the system to print repeat orders. Running repeat jobs becomes much simpler, eliminating setup scrap and reducing setup time.





rheonics

Ink viscosity
and color control solution

INKSIGHT

SRV - INLINE INK VISCOMETER

RPS InkSight has at its core a technologically superior, best-in-market viscometer, the SRV. It uses patented and proprietary, ultra-stable resonator technology that adds up to the industry's most robust, repeatable and accurate sensor. The Rheonics SRV sensor is factory calibrated to NIST standards, requiring no re-calibration during its lifetime.

Small form factor and easy installation

Fits in the palm of your hand; more robust than any other viscometer

All 316L stainless steel wetted parts

Hermetically sealed housing, no gaps or moving parts

Accurate, repeatable, reproducible

Newtonian, non-Newtonian, single- and multi-phase fluids

Wide viscosity range

Up to 50,000+ cP, solvent- and water-based, UV inks and adhesives

Built-in fluid temperature measurement

For fast, reliable temperature compensation of viscosity



Focus on print quality instead of measurement skills!

Achieve exceptional print quality, dramatically reduce setup time and optimise use of pigments and solvents. Improve productivity and efficiency through reliable automation of color control on your press.

- Robust, **maintenance free** viscosity sensor eliminates need for re-calibration
- Agile viscosity controller **reduces viscosity variation** to less than 1% over entire print run
- One-click, **intuitive graphical interface**
- Tighter, more **accurate color density** and dE control
- **Reduce setup time** and setup scrap
- Complete automation for **improved productivity and efficiency**

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