

I Intelligent Viscosity Controller (NP5.0-MIN-SE Model)

- Ink & Adhesive Viscosity Measurement
- Ink & Adhesive Viscosity Control
- Automatic Solvent Consumption Statistics
- Data Acquisition and Transmission (Optional)

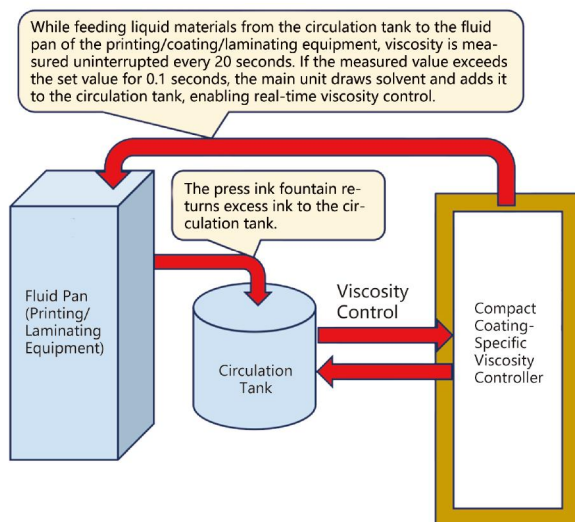


Viscosity Control

Viscosity Control Principle: During printing/coating, ink/adhesive's viscosity gradually increases as the diluent in the ink/adhesive rapidly evaporates. NP5.0-MIN-SE has a built-in viscometer that measures ink/adhesive viscosity every 20s. When a viscosity increase is detected, it automatically replenishes diluent to accurately control viscosity in real-time.

Breakthrough innovations of the NP5.0-MIN-SE Specialized Viscosity Controller's viscosity control compared to Traditional Viscosity Controllers:

- (1) Features built-in viscometer, eliminating the need for frequent manual viscosity measurements.
- (2) Eliminating risk of over-dilution due to excessive solvent addition, avoiding ink/adhesive over-thinning.



Schematic Diagram of the Zhihuixing Viscosity Controller

I Multi-Function Two-in-One Proportioning Machine

1. Solvent Mixing and Proportioning Function

Enable blending five distinct solvents via weight-based metering at varying ratios! Achieves automated solvent proportioning.

2. Recycled Solvent Reproportioning Function

Recycled solvents from different batches exhibit inconsistent ratios, rendering them unsuitable for direct use. The Intelligent Proportioning Machine performs secondary proportioning on recycled solvents to meet usage standards.