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Innovation in Motion: The Next Generation of Automation for Canister Wipes

In the nonwovens sector, some machines have made their mark. Designed to automate the packaging of canister wipes, certain integrated monobloc solutions have transformed entire production lines. Their agility, ability to simplify complex operations, and production reliability have made them essential.

But 2025 marks a new phase. Faced with rapidly evolving market demands and increasingly complex production environments, engineers embarked on a complete architectural overhaul. The goal was not to modernize, but to redefine.

This redesign was shaped by on-the-ground feedback. Operators, maintenance technicians, automation engineers, and designers collaborated to develop a smarter, more flexible machine – one that reflects real-world manufacturing needs.

Three major goals guided the effort: delivering stable output, simplifying user interaction, and improving integration. The result is a compact system that handles the full downstream process: roll stuffing, liquid dosing, conduction sealing, robotic capping with automatic cap feeding, and labeling – all synchronized with the upstream rewinder.

Responding to a Shifting Market

The wipes market is changing. Product diversification, new packaging formats, regulatory pressure, and cost containment all require systems that are adaptable and reliable. Flexibility is now essential: changing product, format, or cap type must be seamless, fast, and minimally disruptive.

A Reimagined Architecture

Servo-driven indexing replaced traditional systems, drastically reducing changeover time while improving accuracy. Format parts are color-coded for easier identification, setup, and training.

Toolless format changeovers allow for smooth transitions between SKUs. The dosing system is modular, with tanks and pumps mounted on sliding rails, reducing footprint and simplifying maintenance.

The conduction sealing station was reengineered for better film tension control and compatibility with synchronized printed films. Sensors across the machine deliver smart diagnostics: film break alerts, low product warnings, and net weight verification.

Robotics: Elevating Repeatability

At the capping station, robotics replace traditional mechanisms. A pick & place robot now performs cap application with high consistency and reduced vibration. Movements are recipe-driven: torque control, cap positioning, and height adjustment are automated.