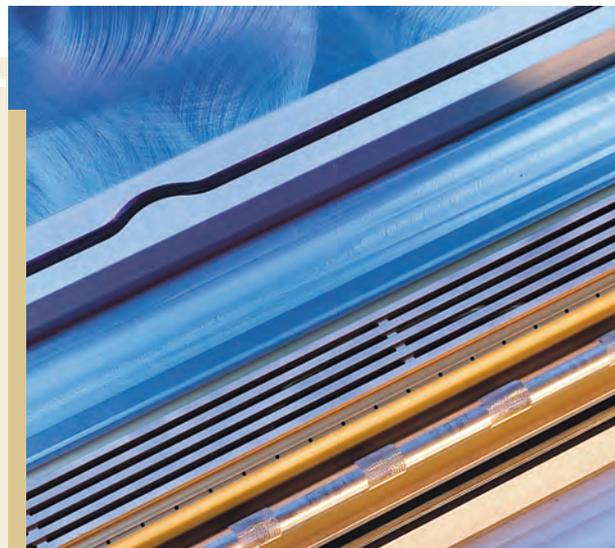


# Next Generation Under Stencil Cleaning

**cyclone**  
performance understencil cleaning

## Cyclone - Faster cleaning with less paper

Ushering in a new generation of under stencil cleaning, Cyclone is a breakthrough technology with the capacity to reduce a standard clean down to just two sweeps. In addition to delivering on-board under stencil cleaning in half the time or less compared with conventional cleaning technologies, Cyclone also substantially reduces required paper volume. Presenting manufacturers with a significant time and cost saving, Cyclone delivers advanced stencil cleaning to maximise pre-placement yield and uptime. It's a valuable productivity and process enhancement tool.



Unlike conventional cleaning technologies, Cyclone's unprecedented bi-directional active cleaning deploys a lateral oscillating action during traverse. When combined with an innovative five-stage cleaning head that extends the active surface cleaning area on every stroke, this unique design allows increased traverse velocity for optimal high-speed stencil cleaning performance.

Cyclone's high-flow vacuum system harnesses the power of an active carbon filtration

mechanism to further extend and enhance cleaning functionality. A single wet oscillating stroke simultaneously clears apertures and removes remaining residue using Cyclone's five head surfaces, followed by a return vacuum stroke using all four vacuum vents. The result totally eliminates the need for a conventional third pass.

Adding to productivity, rapid paper changeover ensures minimal interruption of the line

beat, while cassette-based paper change is achieved without unloading the stencil. As a consequence, Cyclone delivers a breakthrough combination of shorter cleaning cycles, longer intervals between paper roll changeover and dramatically reduced changeover times. For today's manufacturers, this equates to significantly higher throughput and uptime in the critical pre-placement process.

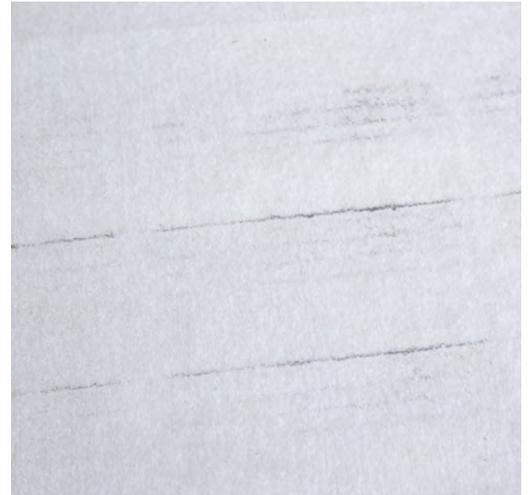


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## Product Features and Benefits

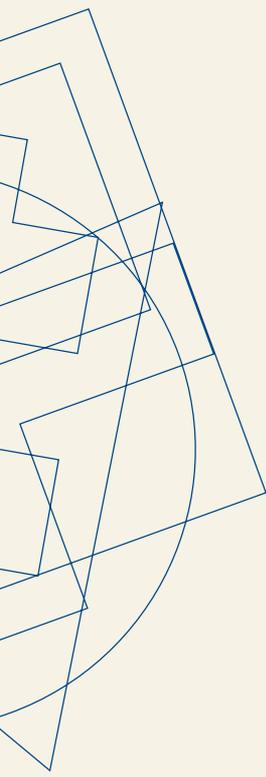
- Bi-directional, high-speed, active cleaning with oscillation
- High-flow vacuum cleaning system featuring active carbon filtration
- Synchronous five-stage cleaning head eliminates third pass for efficient two-sweep cleaning
- Fully programmable to accommodate wet, dry, vacuum and paper feed
- Fast cassette-based paper roll changeover of under 20 seconds for minimal interruption of line beat
- Active sensing to detect paper advance, low volume and paper jam
- Large capacity tank for efficient solvent management with live refill



**Five decreasing lines of residue followed by clean return stroke**



**Cleaning effect of successive passes at 40mm per clean**



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