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NOVAIR to Showcase NITROSWING® Nitrogen Generation at APEX EXPO 2026

NORTH TONAWANDA, NY — February 2026 — NOVAIR USA Corporation ("NOVAIR USA"), a global leader in oxygen, nitrogen, and medical gas generation solutions, will return to the APEX EXPO this spring, bringing its flagship NITROSWING® nitrogen generation system to booth #4207 at the Anaheim Convention Center. The company will demonstrate how electronics manufacturers—especially SMT and PCB assembly operations—can move away from delivered liquid nitrogen and produce their own ultra-high-purity nitrogen right on the production floor.

The NITROSWING® line is built around NOVAIR's patented modular PSA platform, designed specifically for the demands of SMT reflow, wave soldering, selective solder, inerting, and dry storage. The system delivers nitrogen up to 99.999% purity and supports everything from typical assembly-line O₂ targets (<1000 ppm) down to the ultra-low oxygen environments required for high-reliability and aerospace work.

Key performance features on display will include:

- **FlatFlow® gas distribution**, engineered for consistent adsorption and stable purity
- A **Siemens® SIMATIC HMI touchscreen**, offering real-time purity and performance monitoring, plus optional remote access
- A **built-in zirconium O₂ analyzer** that never requires calibration
- **True modularity**, allowing manufacturers to expand capacity at any time as production grows



The combination of high purity, modular scalability, and simple operation makes the unit well-suited for EMS providers, mid-range SMT factories, and any operation looking to eliminate the recurring cost and logistics of liquid nitrogen deliveries. According to NOVAIR's 2025 analysis of nitrogen use in electronics manufacturing, many PCB assemblers now consume enough nitrogen that on-site generation offers a fast return on investment—often in just a few years—while also avoiding delivery delays, boil-off losses, and rising bulk-gas prices.

"Most manufacturers don't realize how much control they gain when nitrogen becomes an in-house utility," said John Longuil, CEO of NOVAIR USA, who will be at the booth alongside North America Sales Manager Paul Cairney. "You get predictable costs, consistent purity, and the freedom to scale. It's a game-changer for high-mix EMS and for anyone who's tired of timing production around nitrogen deliveries."

Visitors at APEX EXPO will be able to see a live interface walk-through, review purity data, and compare operating costs between delivered nitrogen and on-site generation. NOVAIR's team will also be available to discuss system sizing for reflow ovens, wave/selective soldering equipment, nitrogen dry cabinets, conformal coating lines, environmental chambers, and other nitrogen-dependent processes.

For more information about NOVAIR and the NITROSWING® Modular Nitrogen Generator System, visit www.novair-usa.com.



John Longuil, CEO of NOVAIR USA

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About NOVAIR USA Corporation

[NOVAIR USA](#), a member of NOVAIR Groupe, is headquartered in North Tonawanda, New York in-between Niagara Falls and Buffalo. The company is the leading global manufacturer of quality American- and European-made systems. These include [oxygen generators](#), [nitrogen generators](#), and [industrial and medical gas piping solutions](#). NOVAIR USA equipment produces 93% +/-3% oxygen concentration as well as 90% to 99.999% nitrogen concentration using nothing but ambient air and electricity. It helps fill cylinders for first responders and others that save lives, while boosting industrial output for industries through economical, eco-friendly solutions. NOVAIR is redefining air gases!