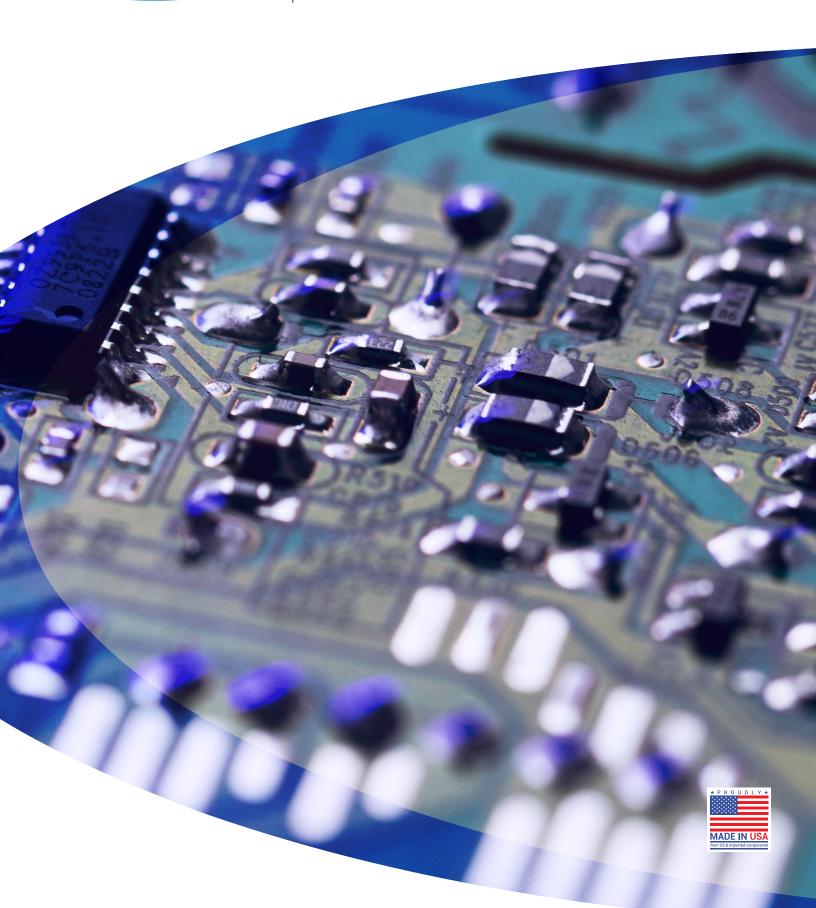


ELECTRONICS INDUSTRY NITROGEN GENERATORS

Generate Nitrogen On-Demand: A safer, smarter and cost-effective solution





Critical to manufacturing the highest quality electronics products is a reduction in oxygen and maintaining a clean, dry atmosphere. Nitrogen is a valuable tool for eliminating defects like De-Wetting or Head-In-Pillow associated with Bottom Terminated Components (BTC's). While nitrogen is the solution - Nitrogen generation is the cost-effective, self-sustaining solution. South-Tek Systems N₂ generators reliably deliver the continuous, high-flow nitrogen required for the electronic manufacturing reflow, wave and/or selective soldering process.

Our nitrogen generators provide a fast, favorable ROI, and, when comparing the cost of generating nitrogen to buying liquid nitrogen in bulk, South-Tek's clients on average realize up to a 50-90% savings.

Since 1997, South-Tek has designed, developed and manufactured best-in-class nitrogen generation technology. Based in the U.S.A., we have installed over 12,000 systems in both privately held businesses and Fortune 500 companies - all looking to drive cost savings and efficiency. With over two decades of experience delivering reliable generators and providing superior customer service, South-Tek has earned a reputation as the nitrogen expert.

Engineered-to-order Solutions Offer:

- Continuous nitrogen on-demand
- 95-99.999% nitrogen purities
- A wide range of flow rates up to 35,000 SCFH per unit

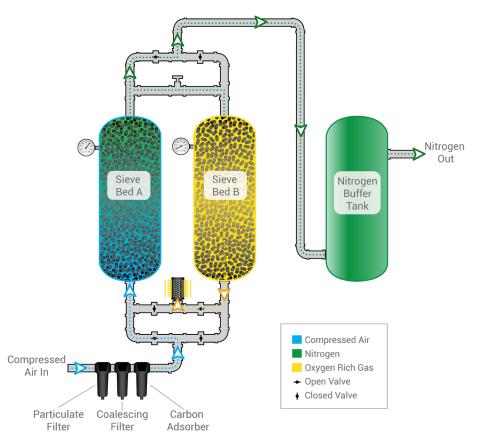


DUAL-BED, PSA TECHNOLOGY

South Tek's nitrogen generators use dual-bed, PSA technology to deliver a steady flow of up to 99.999% pure nitrogen. The dual-bed design allows for maximum efficiency and minimal maintenance. Combined, the dual-bed design and PSA technology are a powerful solution with an expected system life of 18-24 years dependent on system maintenance and run time.

HOW IT WORKS

- Compressed air is filtered, removing oil, water, dirt and other impurities.
- Sieve Bed A acts as a sponge, using carbon molecular sieve to adsorb oxygen.
- Simultaneously, Sieve Bed B is in recovery, oxygen rich off-gas is exhausted into the atmosphere. After a period of time, the process will switch.
- Specified purity nitrogen is discharged into the nitrogen buffer tank, ensuring a steady downstream supply and uninterrupted nitrogen usage.



"We ensure purity levels with in-house testing using Oxygen analyzers that have accuracies of ±2 PPM (parts per million) – many clients require additional 3rd party verification using very precise chromatography machines which corroborate our factory results and the ability of our generators to achieve purities better than 10 PPM O₂ for years in the field."

- Russ Banks, Director of Engineering



SMART-TRAK

A powerful software/user interface, Smart-Trak offers unprecedented control and testing capabilities for the enduser. Smart-Trak allows you to access information such as equipment runtime, time in air bypass mode, current system status and maintenance reminders. Remotely monitor and manage your nitrogen generator from any mobile device.



COST COMPARISON

On-Going, Contracted Purchase -



High Pressure Bottles Up to \$25.00+ / CCF



Liquid Dewar Up to \$5.50+ / CCF



Liquid Bulk Tank Up to \$1.00+ / CCF

- One-Time, Capital Expense -



STS Nitrogen Generator As low as \$0.10 / CCF

RENTAL, LEASE OR PURCHASE OPTIONS - REQUEST A QUOTE TODAY

Contact: industrialsales@SouthTekSystems.com | (888) 526-6284

