

The Latest in Nucleation Technology.



Available with
LINDEN HOTLINE™
Service Support System.



Ideal for use in:

- Automotive
- Furniture
- Medical
- Electronics

The Linden N₂ Gas Infusion™ Unit is designed as a stand-alone system to nucleate Polyurethane using Continuous Monitoring and Automatic Nucleation.

By delivering a homogenous distribution of suspended N₂ (Nitrogen) into the Polyol, nucleation will improve tool wettability, chemical mixing quality, and material flow. Nucleation is used for molding complex geometries and part configurations to minimize voids, streaks, runs, and other surface defects in Polyurethanes.

Continuous Monitoring with Automatic Nucleation

The Linden N₂ Gas Infusion™ is designed for Continuous Monitoring and Automatic Nucleation of non-filled Polyol and is suitable for all types of metering machines and mixing heads.

The Linden N₂ Gas Infusion™ Unit provides a homogenous distribution of N₂ into the Polyol component of the urethane formulation. The N₂ is automatically entrained based on a pre-determined set point for decreased polyol density. Actual polyol density is monitored and a corresponding feedback signal is generated. The feedback signal is continuously compared to the set point and gas loading is automatically corrected.

More Accurate than Intermittent Specific Gravity sampling

The continuous comparison and automatic correction offers much greater precision than is possible with intermittent specific gravity sampling. Greater precision results in consistent process repeatability. The Linden N₂ Gas Infusion™ Unit can also operate with Dry Air as an economic alternative.

Linden Industries, Inc.
137 Ascot Parkway, Cuyahoga Falls, Ohio 44223
Telephone: 330.928.4064 • Fax: 330.928.1854
Emergency Service 24/7: 330.928.4064
info@lindenindustries.com • www.lindenindustries.com

LINDEN
Linden Industries, Inc.
Polyurethane Processing Equipment



Features Include:

- Stand-alone skidded package for simplified installation.
- Operator friendly presets for N₂ distribution control utilizing density pre-sets
- Continuous monitoring and update of the gas loading
- Continuous running (adjustable speed) circulation pump with magnetic coupling
- N₂ flow meter
- Precision day tank regulator
- In-line mixer
- Power disconnect
- Power 480 V, 3 Ph, 60 Hz
10 FLA (Full Load Amps)
- E - Stop Interlock
- Alarm output
- Dimensions:
Width: 40"
Depth: 26"
Height: 88"
- Unit can also operate with Dry Air

Optional:

- Linden HOTLINE™ On-Line Service Support (requires a VPN connection)
- CETL label to certify compliance with CSA standards
- Voltages to suit plant service
- USB port for data collection to jump drive

Linden Industries is an ISO 9001 certified manufacturer offering a comprehensive line of metering machines, mix heads, bulk storage systems, blending equipment and turntables.