



SAVES COSTS!

Let's Talk Return on Investment...

How much would 20% of your Chemistry Costs add up to – you do the math!

Available with exclusive 24/7 **LINDEN HOTLINE™** Service Support System.

Ideal for use in:

- Structural Composites (LFI or Sprayed System)
- Automotive Floor Coverings
- Firewall Insulation
- Sound Absorption applications



The Introduction of CO₂ Into Polyurethane can:

- Reduce Part Weight & Material Usage by approximately 20% and more
- Improve Acoustical - Sound Absorption Properties
- Improve Tool Wettability to Fill Complex Geometries and Eliminate Surface Defects
- Improve Atomization of PUR Spray Systems

Linden's Unique Gas Infusion Unit Continuously Monitors and Updates the Level of CO₂ Gas Entrainment in the Polyurethane Foam.

- The Linden Industries CO₂ Gas Infusion™ Unit is designed to dissolve gaseous CO₂ into the Polyurethane System.
- Homogeneous distribution of CO₂ into the Polyol component of a Urethane formulation results in minimum consumption of CO₂.
- The system continuously monitors and updates the level of CO₂ in the Polyol. The CO₂ is introduced automatically based on control presets. Polyol is circulated from the material day tank through the sensor by a magnetically coupled auxiliary pump. The CO₂ concentration signal is continuously compared to the set point and CO₂ gas loading is

corrected automatically. Superb accuracy compared to competitors Intermittent CO₂ sampling units.

- Processing is possible with day tank blanket pressures as low as 40 psig and CO₂ supply pressures as low as 100 psig.
- CO₂ can be received from bottles, dewar tank, or bulk.
- CO₂ is nonflammable, reasonably priced, can be handled safely, and an abundant natural resource.
- The Gas Infusion unit can be provided as an addition to new or existing High Pressure Pump Polyurethane equipment, regardless of the Manufacturer.

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LINDEN
Linden Industries, Inc.
Polyurethane Processing Equipment



Features Include:

- Stand-alone skidded package for simplified installation.
- Operator friendly presets for CO₂ distribution control utilizing S.G. (Specific gravity) pre-sets
- Continuous monitoring and update of the distribution level
- Continuous running (adjustable speed) circulation pump with magnetic coupling
- CO₂ flow meter
- Precision day tank regulator
- In-line mixer
- Power disconnect
- Power 480 V, 3 Ph, 60 Hz
- E - Stop Interlock
- Alarm output
- Dimensions:
 - Width: 40"
 - Depth: 26"
 - Heights: 88"

Options:

- Other voltage available upon request
- CETL label to certify compliance with CSA standards
- **LINDEN HOTLINE™** Service Support System (requires a VPN connection)

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