



# South-Tek Systems

## Take Control of Your Nitrogen

Our standard LS product offering is designed to meet the needs of high production fabricators with long run hours, high beam-on time or lights out cutting. Producing nitrogen on-demand, the series reliably delivers instantaneous assist gas for peak flow rate cutting. **Air In: Nitrogen Out ratio is most the efficient in the industry.**

Our dual-bed PSA (Pressure Swing Adsorption) filtration technology is the gold standard of nitrogen generation and ensures a reliable source of clean, dry, particulate-free nitrogen supply on demand. Delivering a steady flow of up to 99.99% pure nitrogen, the dual-bed design allows for maximum efficiency and minimal maintenance.

South-Tek's 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.



CONTACT: [laser@southteksystems.com](mailto:laser@southteksystems.com) or 888-526-6284



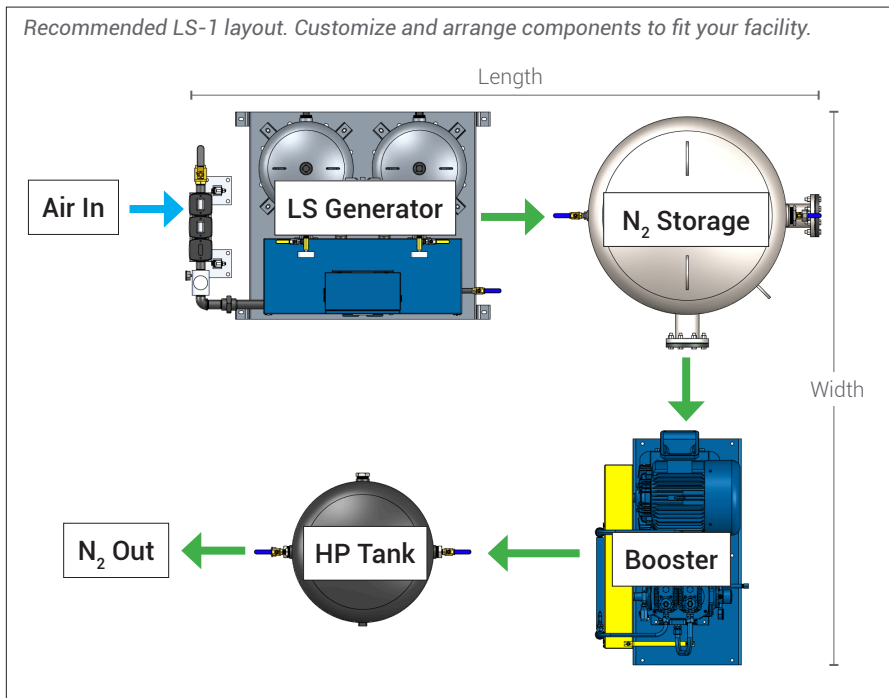
# Laser Series (LS)

## DESIGNED TO:

- Supply dry, clean, low dew point nitrogen
- Provide a reliable source of nitrogen on-demand
- Serve multiple lasers
- Operate 24/7
- Deliver nitrogen at peak flow rate cutting
- Supply clean, dry assist gas

## FEATURES:

- 0.01 Micron high-pressure outlet filtration (Filter debris and particulates)
- Purity exchange valve
- Smart-Trak remote monitoring and management



Specifications <sup>1</sup>		LS-1	LS-2	LS-3	LS-4
Minimum flowrate (SCFH) at specified N <sub>2</sub> purity	99.99% N <sub>2</sub>	2,100	2,700	3,900	5,100
	99.95% N <sub>2</sub> *	3,000	3,900	5,500	7,200
	99.90% N <sub>2</sub> *	3,500	4,500	6,400	8,200
Air Requirement PSI / SCFM		115 / 195	115 / 260	115 / 372	115 / 484
Typical Dimensions (L x W x H)		134" x 118" x 131"	126" x 118" x 152"	132" x 134" x 174"	140" x 146" x 196"
Weight (single heaviest component)		4,375 lbs.	4,800 lbs.	5,600 lbs.	9,000 lbs.
N <sub>2</sub> Pressure (PSI)		450	450	450	450
Electrical Requirements for N <sub>2</sub>		110-220V / 50-60 Hz / 1 Phase			
Electrical Requirements for Booster		460V / 60 Hz / 3 Phase			
Warranty		2 Year Standard Warranty			

1. Per terms and conditions: [www.southteksystems.com/terms](http://www.southteksystems.com/terms)

\*Head purge systems available (if required) for lower than 99.99% purity to assist gas system.

