

N2-GEN[®] LS Series - Nitrogen Generator

STS TECHNOLOGY

Introducing the N2- GEN[®]-LS (Laser Series) Nitrogen Generation System specifically designed for use within Laser Cutting applications, including (but not limited to):

- High Pressure Gas Assisted Cutting
- Optics Purge
- Beam Path Purge
- Eliminate discoloration
- Reduce Dross



N2-GEN[®] S SERIES

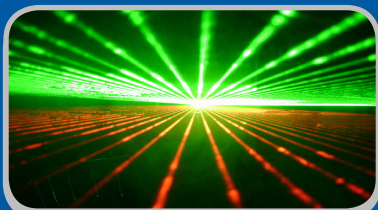
SYSTEM BENEFITS

- Automatically generate your own Nitrogen on demand
- Reduce your Nitrogen costs by up to 90%
- No missed deliveries, escalating costs, or binding contracts
- Fast payback with ROI average 12-14 months over bulk liquid
- System life expectancy of over 20 years
- Standard 2 year warranty

STS LASER-SPECIFIC SOFTWARE

South-Tek Systems' exclusive technology makes delivering Nitrogen to laser applications easier than ever. Ask us about:

- **EverPure[™]**- Patent Pending technology that ensures Nitrogen purity consistency.
- **SMART-Trac[™]**- Early downstream leak detection to ensure process efficiency
- **Remote PLC Mirroring Option**- Allows for nitrogen system monitoring on facility managers computer or on a separate PLC



Purity	95%-99.999%+
Flow Rate	0-100,000 SCFH+
Pressure	0-600 PSI+

-See Page 2 for help with sizing your system-

generate nitrogen from thin air[®]

BENEFITS OF NITROGEN

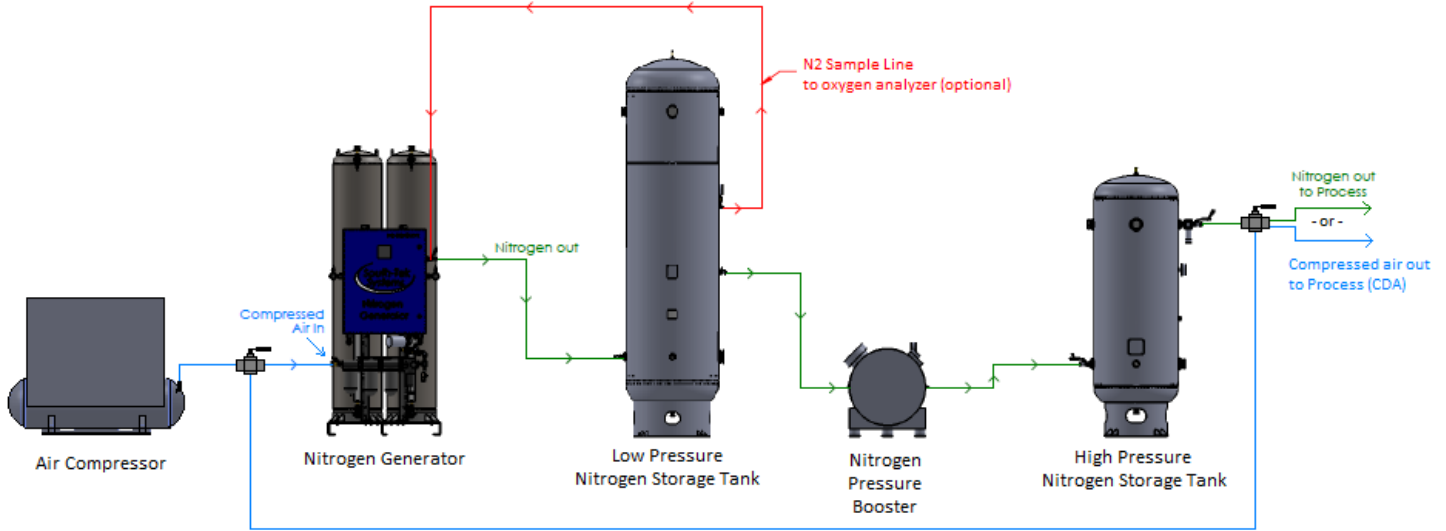
- Inert, clean, dry, non-flammable gas
- Improves process safety and product quality
- Minimizes oxidation and prevents discolorization
- Rapidly removes molten metal from cutting zone
- Protects laser optics, mirrors and lenses, extending lifetime of equipment
- Nitrogen gas assisted cut edges have improved bend strength at welded points and surface has improved paint adhesion



N2-GEN[®] LS - Nitrogen Generator / We ARE Nitrogen.

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N2-GEN[®] LS Series Specifications



QUESTIONNAIRE

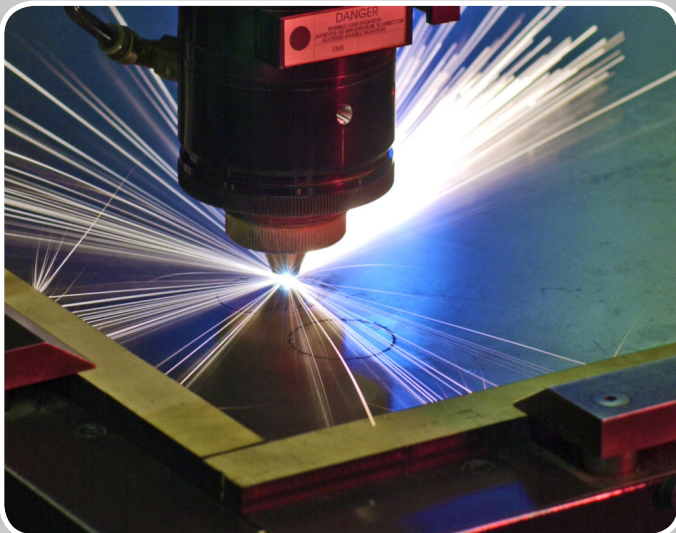
South-Tek Systems prides ourselves on engineering our technology specifically to your requirements. To determine the best system for your shop, please fill out the chart below.

Laser Manufacturer: _____ Laser Model: _____ Fiber -or- CO2 (Circle One)

Nitrogen Pressure Required at Laser Inlet: _____ (different then cutting pressure at laser head)

For each material you are cutting, please let us know the setup info below:

Material Type 1: _____	Material Type 2: _____	Material Type 3: _____
Max thickness: _____	Max thickness: _____	Max thickness: _____
Cutting Pressure @ Head: _____	Cutting Pressure @ Head: _____	Cutting Pressure @ Head: _____
Nozzle Diameter: _____	Nozzle Diameter: _____	Nozzle Diameter: _____



CONTACT

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