**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

**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 ROI, sometimes as quick as 12 months
- System life expectancy of over 20 years
- Standard 1 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

**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

-See Page 2 for help with sizing your system-

generate nitrogen from thin air®

N₂-GEN® LS - Nitrogen Generator / We ARE Nitrogen.
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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 1: ___________ Laser Model: ___________ Power: ________ Fiber -or- CO₂ (Circle One)
*If Fiber, Purge requirements?  Y  /  N  Flow Rate: ______  *If CO₂, Beam path requirement? Y  /  N  Flow Rate: ______
Nitrogen Pressure Required at Laser Inlet: ________ (different then cutting pressure at laser head)

Laser Manufacturer 2: ___________ Laser Model: ___________ Power: ________ Fiber -or- CO₂ (Circle One)
*If Fiber, Purge requirements? Y  /  N  Flow Rate: ______  *If CO₂, Beam path requirement? Y  /  N  Flow Rate: ______
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: ______________
Percent of Usage: ______________ Percent of Usage: ______________ Percent of Usage: ______________

CONTACT

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