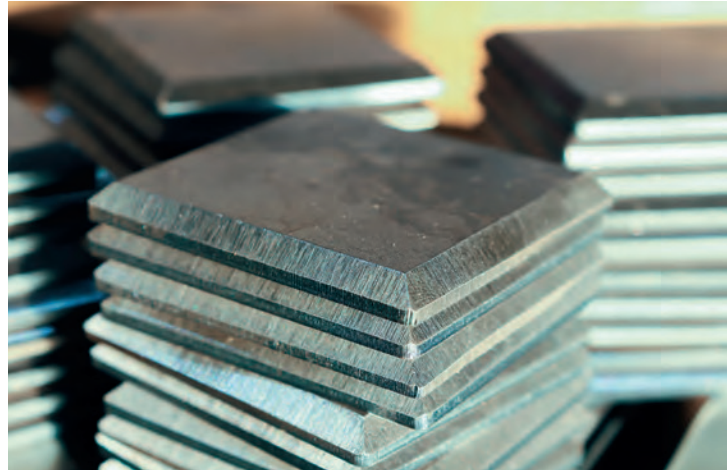


NITROGEN PRODUCTION SYSTEMS FOR LASER CUTTING



ALL TYPES OF LASERS



OPTIMUM CUTTING QUALITY



**A stand-alone
solution**



ECO-FRIENDLY



EXPERTISE RECOGNIZED WORLDWIDE



NOVAIR USA expert in on-site gas production

Founded in 1977, NOVAIR is a French manufacturer recognized worldwide for its nitrogen and oxygen production solutions by generators. NOVAIR USA, a member of the NOVAIR Groupe, is based near Buffalo, New York.



NOVAIR exports turnkey systems for the healthcare and industrial sectors to over 150 countries worldwide through a vast network of certified distributors, and has thousands of oxygen and nitrogen generators installed worldwide.

In France, more than a hundred manufacturers have used NOVAIR's on-site nitrogen and oxygen production solutions, and are now completely autonomous.



Hundreds of satisfied users

What our customers say

State-of-the-art fiber laser user

AMADA laser, 10 ppm, Nitroswing® NS-21 generator

- 👍 «The nitrogen generator is the only solution that allows us to have a fixed cost that is not related to consumption»
- 👍 «Precise and smooth cut»
- 👍 «A solution for the future »



Specialist in laser cutting of all types of metals,

TRUMPF laser, 10 ppm, Nitroswing® NS-42 generator

- 👍 «Perfect autonomy»
- 👍 «Industry 4.0 »
- 👍 «Ecological and economical»

Professional cutting of stainless steel, aluminum parts of all thicknesses, sheet metal/tube laser, MAZAK laser, 100 ppm, Nitroswing® NS-112 generator

- 👍 «Over and above the considerable financial gain and the elimination of logistical risk, it's a much safer solution»

PRODUCE YOUR NITROGEN ON-SITE AND BECOME YOUR OWN SUPPLIER

Nitrogen is a gas widely used in laser cutting for its inert properties, which prevents any reaction with molten metal. It is traditionally supplied to industrial sites by trucks, and stored in high-pressure cylinders or cryogenic tanks. This method of supply is costly, polluting and causes logistical constraints and risks for users. However, there are solutions for on-site nitrogen production through generators. This simple, proven process offers numerous advantages.



WHY PRODUCE ON-SITE NITROGEN?



AUTONOMY / SUPPLY SAFETY

On-site nitrogen produced from ambient air means no more deliveries of liquid or bottled nitrogen



NO LOGISTICS CONSTRAINTS

Eliminate recurring logistics constraints



CONTINUOUS PRODUCTION

Nitrogen available 24/7 with no risk of supply interruption



PROVEN SAVINGS

30-60% savings



INCREASED SAFETY

No need to store high-pressure cylinders in large quantities



OPTIMUM CUTTING QUALITY

The nitrogen produced is continuously analyzed to guarantee cutting quality at all times



ECO-FRIENDLY SOLUTION

Zero delivery, zero pollutant emissions

The installation of a nitrogen generator eliminates the need for external gas supplies, contributing to the significant reduction of your company's carbon footprint.

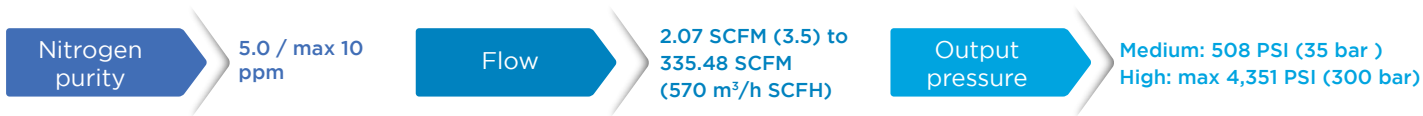


Recover the heat produced: Make substantial savings while protecting the environment! NOVAIR also offers compressed air production solutions for nitrogen generators, featuring a heat recovery system. In fact, a large quantity of the thermal energy produced by the compressor can be recovered and re-purposed in the form of hot air, water for industrial use, or for hot-water heating. **This efficient process allows you to use up to 85% of the energy you've already used!**

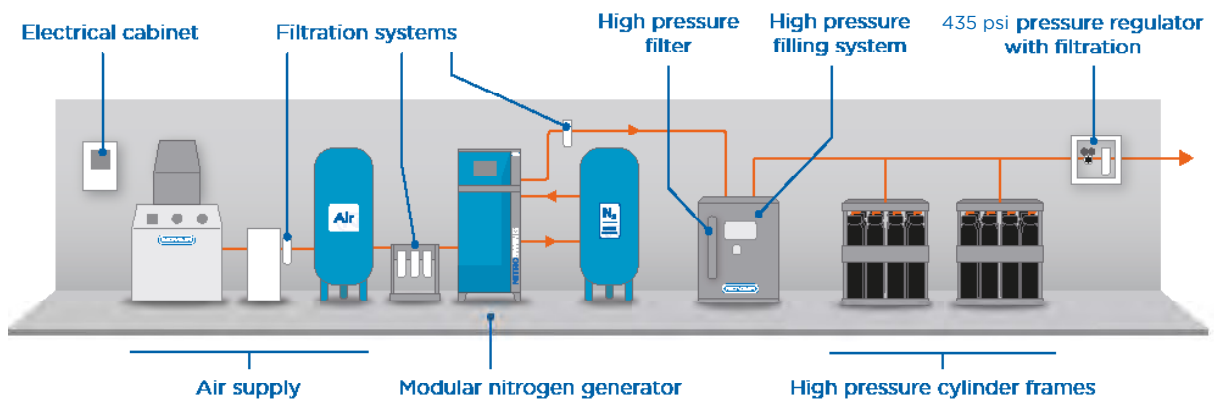
INTRODUCTION TO THE SOLUTION

NITROSWING® LASERPACK

For the laser cutting industry, NOVAIR has designed NITROSWING® LASERPACK, an innovative on-site nitrogen production solution and cylinder filling systems that are capable of supplying all types of laser machines, fiber or CO2. This solution enables a continuous and autonomous supply of nitrogen according to the specifications required by the cutting machines:



From ambient air to nitrogen network



PSA TWIN TOWER AND MODULAR generator

Nitrogen 5.0 guaranteed up to 10 ppm residual oxygen

High-pressure nitrogen cylinder filling system

Operating pressure max. 4,351 PSI (300 bar)

High-pressure cylinder frame

6 to 30-cylinders

NITROSWING® LASERPACK equipment is available in various configurations:



Technical



Containers



Laser skid

FINANCIAL SOLUTIONS AND SUPERIOR CARE FULL SERVICES

NOVAIR provides the best service in the industry as well as a range of financial options to make sure you get the equipment that's right for your application



Simple administration and cost forecast

No recurring orders to place or deliveries to manage, our team makes everything easy from quote, to install, through continued maintenance.



Terrific return on investment

A one time capex cost with low preventative maintenance costs and nothing else but electricity charges to produce N2, means your ROI is assured within months



Financing made easy

Preserve your cash flow and investment capacity for projects that add value to your business. Full financing with our partner Tech Financial Services

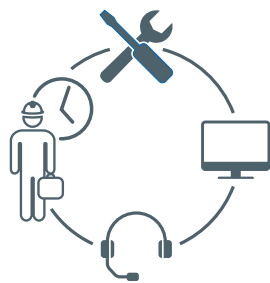


Maintenance assured by NOVAIR

Periodic preventive maintenance is carried out by our technicians, as well as repairs and the supply of parts and consumables.

A range of NOVAIR-CARE preventative maintenance plans are available.
Contact us to learn more.

MANUFACTURER'S SERVICE GUARANTEED MAINTENANCE



NOVAIR provides you with a range of services from qualified technicians who will ensure your systems operate optimally at all times by providing you with rapid assistance over the phone, or right on-site.

NOVAIR

A RANGE OF SOLUTIONS AND SERVICES INDUSTRIAL GASES IN COMPLETE CONFIDENCE

Synergy

NOVAIR offers a complete range of solutions tailored to the needs of each healthcare and industrial application due to the synergy created from years of field experience in all sectors as the global expert in gases.



Production



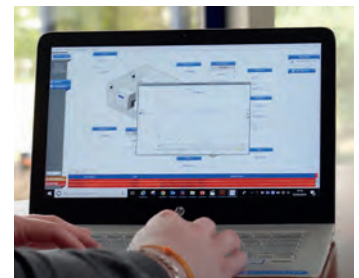
In-house cylinder filling



Distribution



Technical support



Connectivity/ Monitoring



Exeptional Service



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