



NitroCUBE™

PLUG & PLAY Nitrogen Generation Systems

PLUG & PLAY



Nitrogen Generation Systems

THE PROFITABILITY GENERATOR





NitroCube offers a REAL LOW CARBON ALTERNATIVE to traditional nitrogen supplies

The true cost of traditional gas supply*

800 tonnes of metal to be
distributed by road

2500 delivery truck miles
travelled

100 hrs of order
administration

100 hrs receiving, checking &
moving cylinders

3.5 tonnes of CO² emitted
delivering gas

4500 compressed gas
cylinders

10% returned unused

NitroCube is the **LOW CARBON**
ENVIRONMENTALLY FRIENDLY
alternative

* Based on approximately 350 ft³/hour for
4000 hours/year using cylinders or
manifolded cylinder packs

NitroCube
PLUG & PLAY
NITROGEN GENERATORS

Designed for a very quick and easy installation

Can be installed indoors or outdoors, even on a mezzanine floor

Compact footprint, with no special foundations required

Requires only compressed air and a power supply

Installed and working the same day



NitroCube is the
MOST SIMPLE and
ECONOMICAL SOLUTION for
producing nitrogen for laser
cutting applications



- ✓ Increased productivity
- ✓ Improved product quality
- ✓ Reduced costs
- ✓ Maximum profitability

NitroCube THE BENEFITS

- No machine downtime for cylinder changes or liquid top up
- Laser cut carbon steel faster, cheaper and with an "oxide free edge"
- Self financing, using money otherwise spent on ready made nitrogen
- Simple "plug & play" with the NitroCube instantly ready for use
- Guaranteed low cost, high purity nitrogen
- Continuous 24/7 supply
- No running out of gas unexpectedly
- No gas waste, liquid "boil off" or gas bottles returned partially full
- No rental, delivery or environmental charges
- No restrictive gas contracts

NitroCube RANGE



NITROCUBE RANGE		NitroCube1	NitroCube2	NitroCube3	NitroCube4	NitroCube5
Nitrogen production	ft ³ /day	11020	16950	25425	33900	42375
*Nitrogen purity	%	99.9975	99.9975	99.9975	99.9975	99.9975
Compressed air supply	cfm	45	72	108	148	179
Nitrogen pressure	PSI	4350	4350	4350	4350	4350
**Nitrogen storage	ccf	105	105	105	105	105
Dimensions (excluding storage)	in	87L x 94W x 87H				

*Higher purity 99.999% also available

**Storage can easily be increased



NitroCube HIGH FLOW RANGE

Nitrogen generation specifically for fiber lasers

- High flow rate to suit larger nozzles
- High purity for improved edge quality

NITROCUBE FIBER RANGE		NitroCube6	NitroCube7	NitroCube8	NitroCube9	NitroCube10
Nitrogen production	ft ³ /day	59330	84750	101700	127125	169500
*Nitrogen purity	%	99.9975	99.9975	99.9975	99.9975	99.9975
Compressed air supply	cfm	256	358	444	537	716
Nitrogen pressure	PSI	4350	4350	4350	4350	4350
**Nitrogen storage	ccf	210	210	315	315	420
Dimensions (excluding storage)	in	189L x 94W x 87H		291L x 94W x 87H		189L x 212W x 87H

*Higher purity 99.999% also available

**Storage can easily be increased

Larger systems available up to 1 million ft³/day

NitroCube TOUCH SCREEN CONTROL

- Telemetrics
- Remote access via internet
- Remote start/stop
- Performance monitoring
- Trend and N2 usage graphs
- Real time processing feedback
- On board service monitoring
- System troubleshooting and fault diagnostics
- Alarm monitoring



About **MSS**

With a team of experienced and highly qualified engineers with an unrivalled knowledge of both the laser and gas generation industry, MSS are market leaders in the supply of in-house nitrogen generation systems.

MSS was formed in 2003 with the aim of offering a complete service to the laser cutting industry

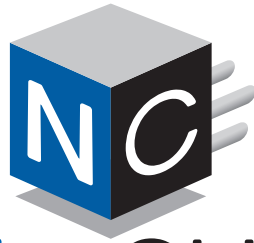
Nitrogen generation soon became an integral part of the service offered and provided a springboard for the company's growth and the creation of MSS Nitrogen Ltd in 2010.

Today MSS nitrogen generation systems are well proven, with hundreds of lasers running worldwide with MSS equipment. Utilising our knowledge of laser cutting, our systems are tailored to the exact needs of individual clients, providing pure, high pressure gas, on demand.

We BUILD and TEST EVERY SYSTEM in our factory prior to delivery



Showroom and production facility



NitroCUBE™

PLUG & PLAY Nitrogen Generation Systems



**NITROCUBE IS DESIGNED AND
MANUFACTURED IN THE USA BY:**



MSS NITROGEN USA

11020 South Tyron Street, Suite 406, Charlotte, NC 28273

T: (704) 412-4049 E: sales@mssnitrogen.com

WWW.MSSNITROGEN.COM