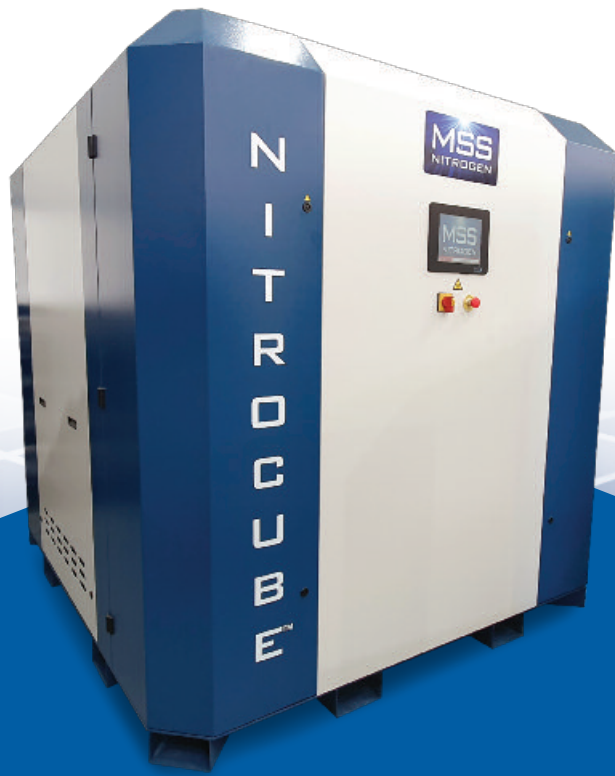




# NitroCUBE™

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** tons 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** tons of CO<sup>2</sup> emitted  
delivering gas

**4500** compressed gas  
cylinders

**10%** returned unused

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

\* Based on approximately 350 ft<sup>3</sup>/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

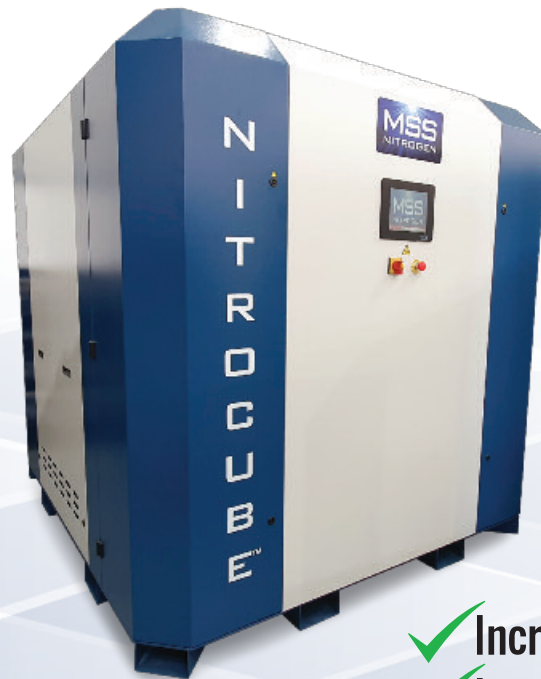
Compact footprint, with no special foundations required

Requires only compressed air and a power supply

Installed and working the same day



# NitroCube is the **MOST SIMPLE** and **ECONOMICAL SOLUTION** for on-site nitrogen generation for laser cutting applications

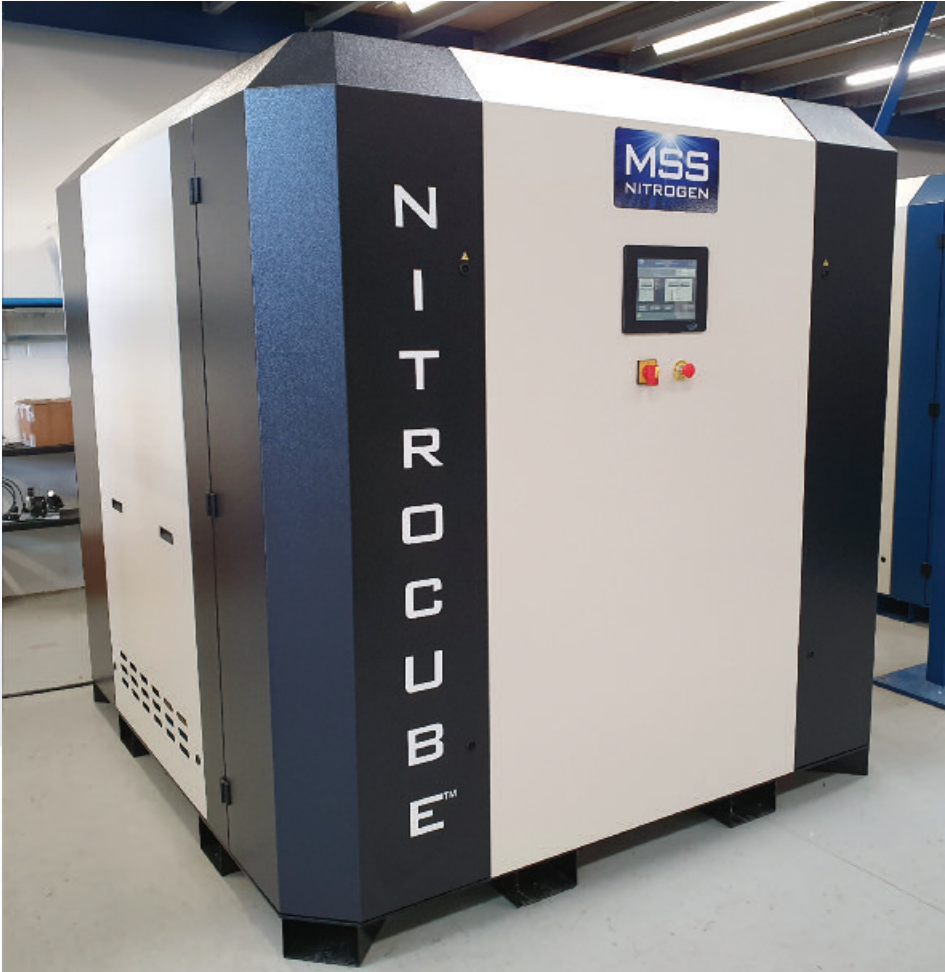


- ✓ Increased productivity
- ✓ Improved product quality
- ✓ Reduced costs
- ✓ Maximum profitability

## 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
- Quick & easy installation with “plug & play” design
- 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 integrated storage

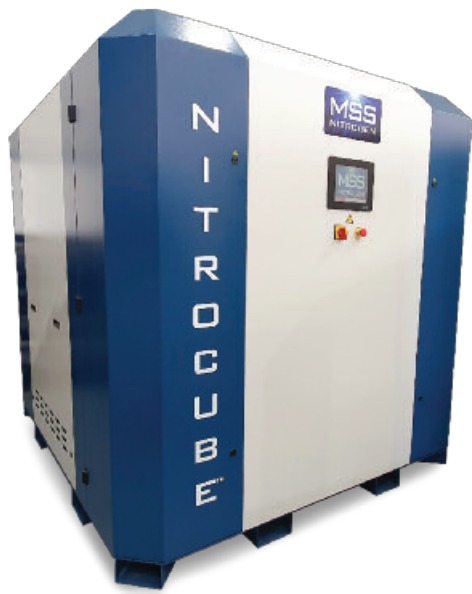


NitroCube special colours

NITROCUBE RANGE		NitroCube1	NitroCube2	NitroCube3	NitroCube4	NitroCube5
Nitrogen production	ft <sup>3</sup> /day	11020	16950	25425	33900	42375
*Nitrogen purity	%	99.9975	99.9975	99.9975	99.9975	99.9975
Compressed air supply	cfm	45	92	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 <sup>3</sup> /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 ft<sup>3</sup>/day

## NitroCube TOUCH SCREEN CONTROL



- Remote telemetry option
- Remote start/stop control
- Performance monitoring
- Service monitoring
- N2 production & usage trend logging
- Alarm data logging
- Remote troubleshooting & fault diagnosis

## About **MSS**

Established in 2003 and 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 on-site high pressure nitrogen generation systems.

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

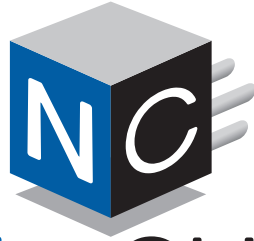
Today MSS nitrogen generation systems are well proven, with over 1200 lasers to date running in the UK with MSS equipment. Utilising our knowledge of laser cutting, our systems are tailored to the exact needs of individual clients, providing pure, high pressure gas, on demand.



Special Nitroskid design



Showroom and production facility



# NitroCUBE™

**PLUG & PLAY** Nitrogen Generation Systems



FM 723849

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



**MSS NITROGEN INC**

467 Lakeshore Parkway, Rock Hill, SC 29730 United States

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

**WWW.MSSNITROGEN.COM**