



NitroCUBE™

PLUG & PLAY Nitrogen Generation Systems

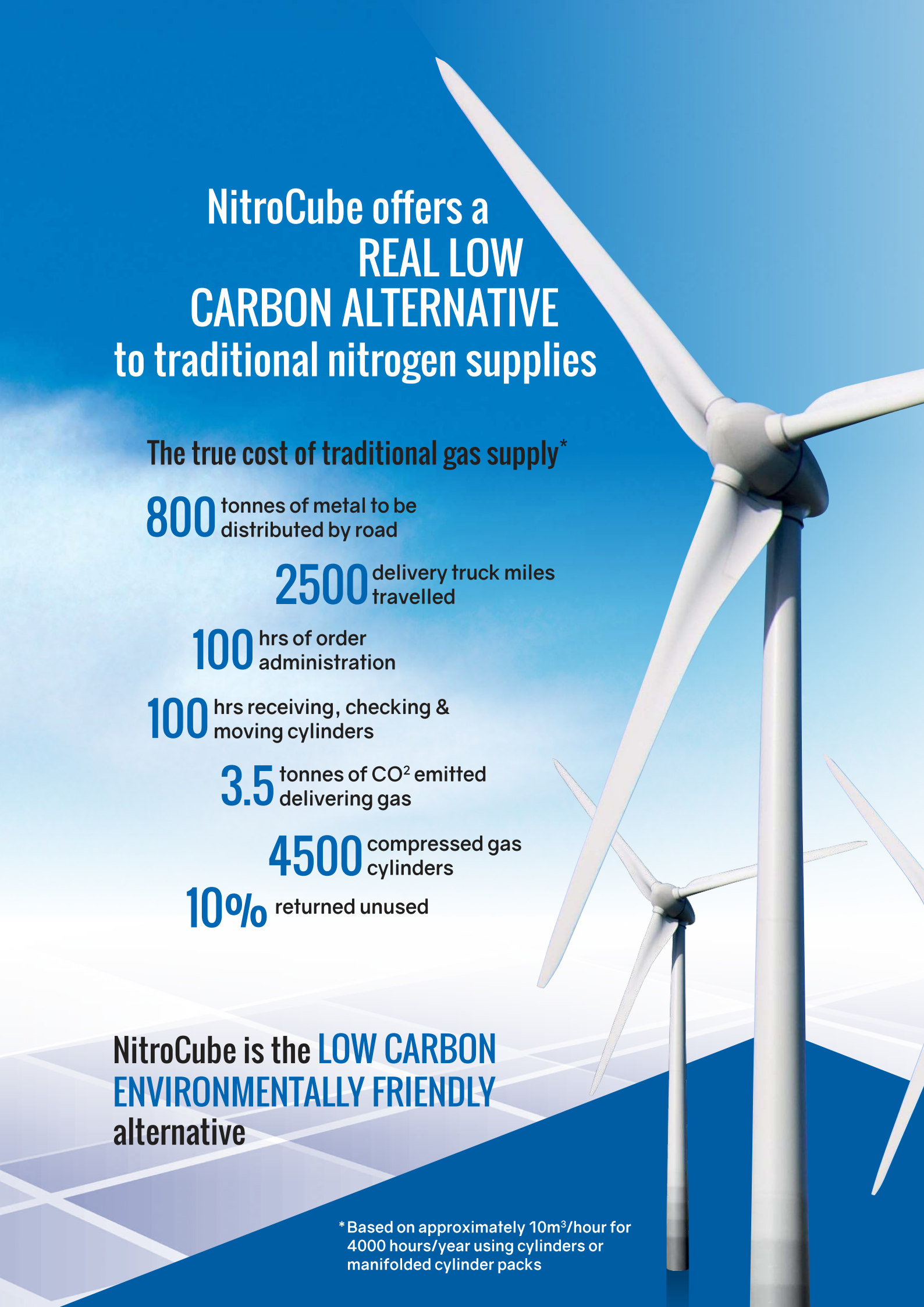
PLUG & PLAY



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

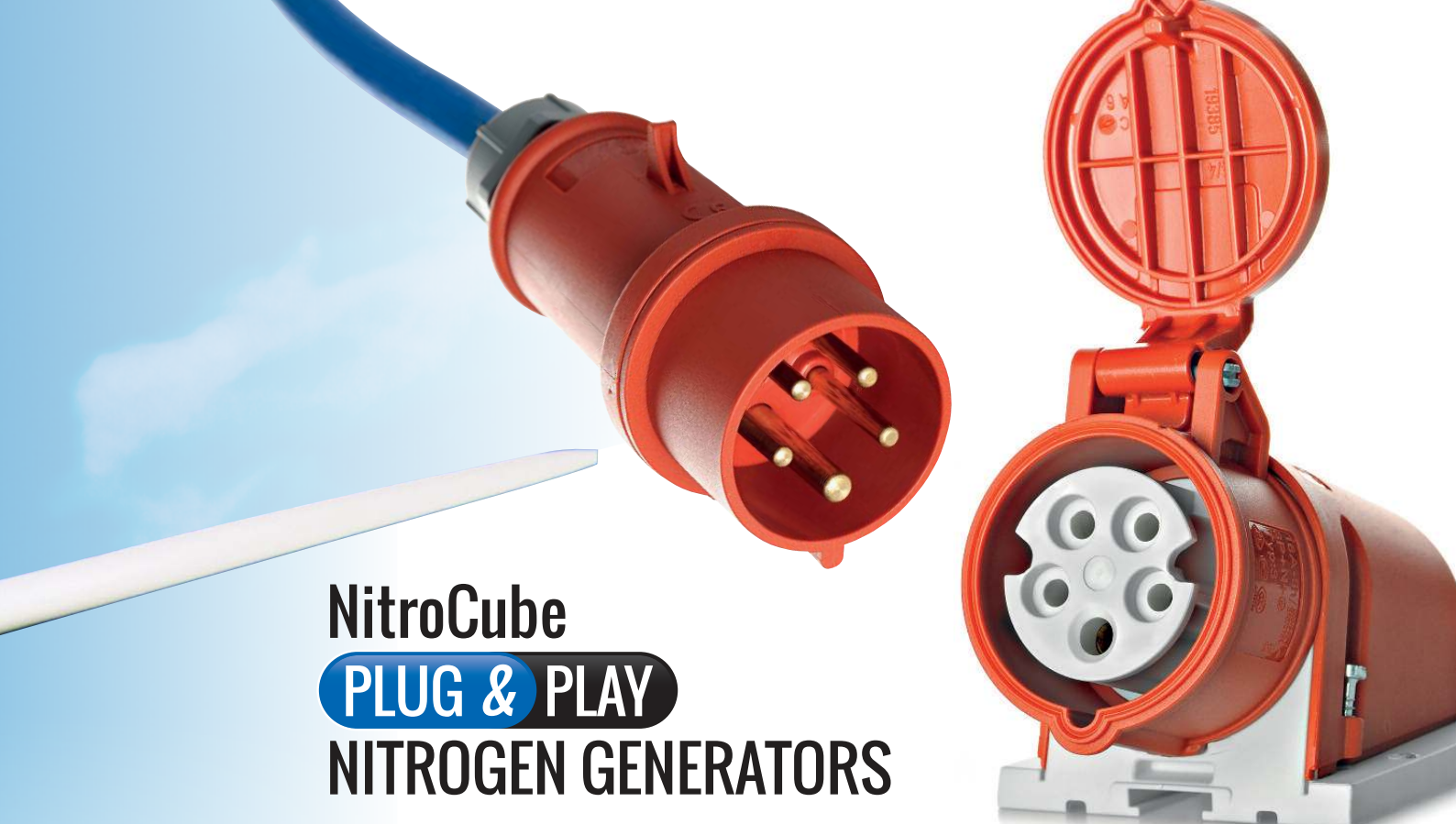
3.5 tonnes of CO² emitted
delivering gas

4500 compressed gas
cylinders

10% returned unused

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

*Based on approximately 10m³/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



NitroCube THE BENEFITS

- ✓ Increased productivity
 - ✓ Improved product quality
 - ✓ Reduced costs
 - ✓ Maximum profitability
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- 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
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- 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	m³/day	312		480		720		960		1200	
*Nitrogen purity	%	99.9975	99.98	99.9975	99.98	99.9975	99.98	99.9975	99.98	99.9975	99.98
Compressed air supply	m³/h	76	64	122	94	185	143	252	199	304	274
Nitrogen pressure	bar	300		300		300		300		300	
**Nitrogen storage	m³	144		288		288		288		288	
Dimensions (excluding storage)	cm	220L x 240W x 220H									

* 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 RANGE		NitroCube6		NitroCube7		NitroCube8		NitroCube9		NitroCube10	
Nitrogen production	m³/day	1680		2400		2880		3600		4800	
*Nitrogen purity	%	99.9975	99.98	99.9975	99.98	99.9975	99.98	99.9975	99.98	99.9975	99.98
Compressed air supply	m³/h	437	342	608	548	756	597	912	822	1216	1096
Nitrogen pressure	bar	300		300		300		300		300	
**Nitrogen storage	m³	576		576		864		864		1152	
Dimensions (excluding storage)	cm	480L x 240W x 220H				740L x 240W x 220H				480L x 540W x 220H	

* Higher purity 99.999% also available

** Storage can easily be increased

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 over 350 lasers (in 2019) 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.

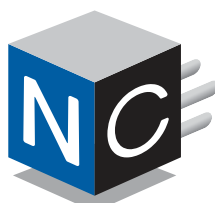
We BUILD and TEST EVERY SYSTEM in our factory prior to delivery



Showroom and production facility



We are situated just 2 minutes from J1 of the M6 motorway. Central Park is well signposted off the A426.



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PLUG & PLAY Nitrogen Generation Systems



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



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