

# NITROBOX

PLUG & PLAY NITROGEN GENERATORS



**RR**  
ErreDue  
ON SITE GAS GENERATORS

 ERREDUE TECHNOLOGY  
MADE IN ITALY

## PLUG & PLAY NITROGEN GENERATORS



# QUALITY NITROGEN, QUALITY CUT

The high purity of Nitrogen produced by NitroBOX allows cutting stainless steel up to 20 mm thickness, with a sharp and shiny cut edge.







# **NITROBOX**

**PLUG & PLAY NITROGEN GENERATORS**

NitroBOX is a compact and easy solution to produce pressurized Nitrogen directly where it's needed, for laser cutting and every other application where high purity Nitrogen is needed.

NitroBOX is designed and developed to allow a very quick and easy installation, in order to get on-site Nitrogen supply at desired pressure:

**a real Plug&Play system.**





# EASY AND EFFECTIVE NITROGEN GENERATION

On site production means no downtime to swap cylinders, no cost for gas transport, no Nitrogen waste due to low residual pressure inside the cylinders

On site production means constant quality of the gas, no fluctuation due to different batches of gas or gas contamination

On site production means higher safety for laser operators, no high pressure tank or liquid nitrogen is required.



# YES, IT'S REALLY THAT SIMPLE!

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NitroBOX requires only compressed air (already present in your facility or produced with a compressor) and a power supply, with significant cost and time savings.

NitroBOX is instantly ready to use.

Thanks to the PSA technology, Nitrogen is produced directly from ambient air, no chemicals required.

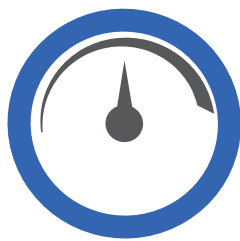
NitroBOX autonomously produces Nitrogen needed for cutting at 40 bar.

Nitrogen flows from NitroBOX to the laser system with flow rates up to 500Nm<sup>3</sup>/day.

Storage capacity can be easily increased by adding one or more tanks next to the NitroBOX system.



**energy**  
saving



**40/200/300**  
bar



**time**  
saving



**money**  
saving

# TECHNOLOGY COMPARISON



	SUPPLY OF NITROGEN CLASSIC	<b>NITROBOX</b> PLUG & PLAY NITROGEN GENERATORS
<b>SAFETY</b>	Explosion risk due to cylinders handling.	Full automatic operation with safety check, no cylinders handling.
<b>ECONOMICS</b>	Nitrogen cost is formed by transport cost, cylinder rental and gas cost. No power needed.	Nitrogen cost is only due to the electricity needed to run the air compressor.
<b>AVAILABILITY</b>	Nitrogen supply is subject to gas supplier availability. Downtime due to cylinders switch.	Nitrogen is continuously available without interruption - independency from gas suppliers.
<b>QUALITY</b>	Possibility of variations in gas purity due to different batches and contamination.	Gas quality is monitored in real time through PLC control.
<b>HANDLING</b>	Space needed to store tanks, qualified personnel and vehicles needed for their handling.	Small footprint, NitroBOX can be installed both indoor and outdoor.

# TECHNICAL DATA

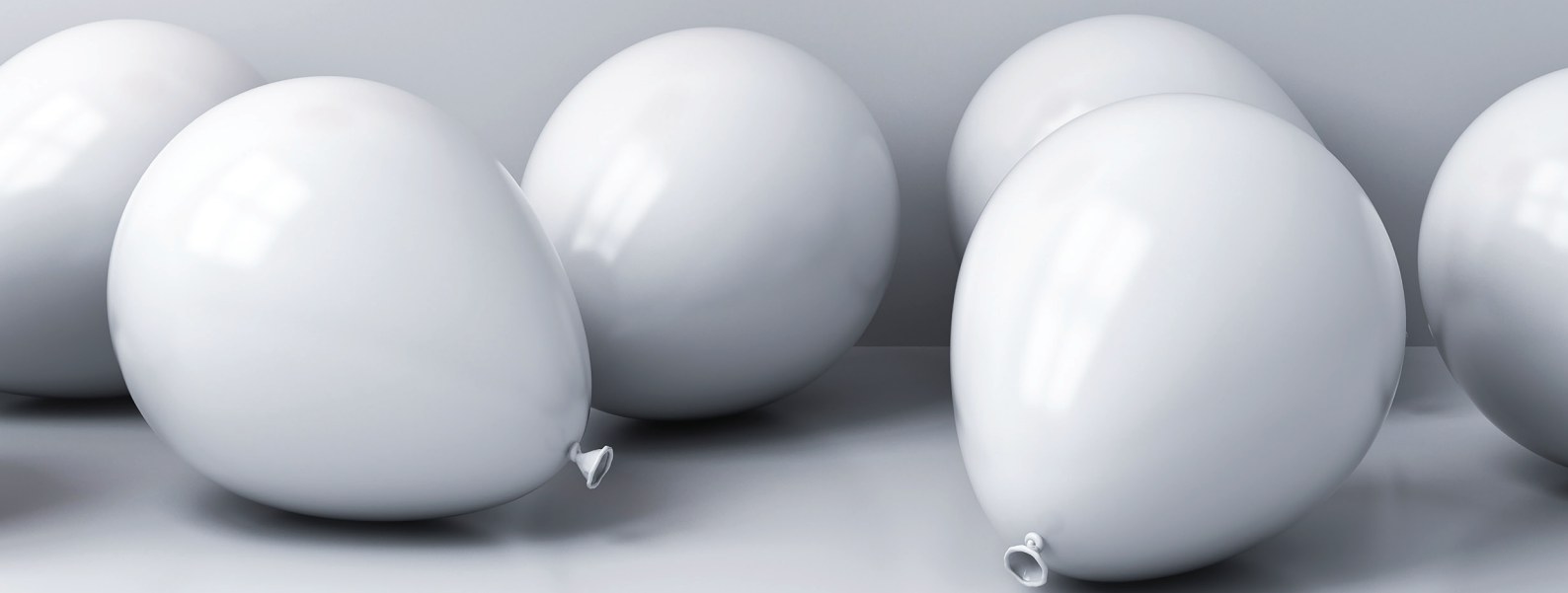
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		Box130	Box200
NITROGEN PRODUCTION	m <sup>3</sup> /day	Up to 320	Up to 480
NITROGEN PURITY	%	99,999%	
NITROGEN PRESSURE	bar	40 / 200 / 300	
STORAGE IN THE TANK INTEGRATED / INTEGRATED CYLINDERS	liters	500@40 bar(g) / 100@200 bar(g) / 100@300 bar(g)	
COMPRESSED AIR CONSUMPTION	m <sup>3</sup> /h	65@8 bar(g)	95@8 bar(g)
INSTALLED POWER	kW	6	6
VOLTAGE		400V / 50-60Hz 3PH + N	
INTERFACE		Touchscreen display	
NOISE		< 80 dbA (1 metro)	
INSTALLATION		Indoor/Outdoor	
DIMENSIONS	cm	300x165x220h	
WEIGHT	Kg	2450	2600
COMMUNICATION		RS485, Ethernet	
CERTIFICATIONS		CE - PED	





DON'T  
BUY GAS  
**GENERATE  
IT!**



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