



# MSS NitrO2™

## Innovative laser gas mixing system

Real-Time GasMix adjustment for optimised high power fiber laser cutting.

**PLUG & PLAY**



**Save money**



**Save time**



**Reduce your carbon footprint**

[mssnitrogen.com](https://mssnitrogen.com)

# MSS NitrO2™

## The NitrO2™ range

The MSS NitrO2™ gas mixer system has been specially developed for use with high power fiber laser cutting systems and is the only GasMix system available on the market today that allows on-line variable gas mixing technology with fully integrated CNC controls to allow the laser operator to select the precise nitrogen/oxygen gas mix required directly from the laser HMI control.

Both systems are extremely compact and mobile so may be installed easily using the minimum floorspace and without the need to large gas mixing vessels. Simply connect your existing high pressure nitrogen & oxygen supply to the gas inlets and you will have the same high pressure outputs plus an additional variable mixed gas output to allow you to optimise your laser cutting work.

All models offer high pressure laser gas cutting up to 34 bar, and flow rates up to 155 m<sup>3</sup>/hr and variable nitrogen and oxygen gas mix adjustment.



### The NitrO2™ Air

Independent electronic control and purity HMI display  
21% O<sub>2</sub> Maximum



### The NitrO2™ Basic

Manual Adjustment  
21% O<sub>2</sub> Maximum

#### Without mixer



#### With mixer



## Key Features

- Enhanced mild steel cutting quality
- Reduced burr to < 3% of material thickness
- Increased cutting speed\*
- Fully flexible: Real time purity mix change
- Save space: The most compact gas mixer in the market
- Compatibility: Works with any high power fiber laser
- Portable: No large mixing vessels required
- Easy to install: Only requires single phase electrical supply 110V/220V (NA for basic model)
- Accurate and stable mixed gas supply

\*Subject to material type and quality

**The complete solution to suit all laser cutting operations.  
Request a quote today!**

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**MSS**  
NITROGEN

Part of the MSS Group