



Purchasing a nitrogen generator from NSC was as simple as purchasing an air compressor. The guys from NSC came and fitted a flow meter inline to our laser and a couple of weeks they all the results of how much we had used and sized the right machine for us.

- CAD Manager Brit-Tipp Ltd

# BRIT-TIPP N2 SIZING CASE STUDY

How NSC made supply a nitrogen generator is as easy as choosing an air compressor...

## OBJECTIVES

In 2022 Brit-Tipp Ltd, a market leading vehicle body conversion manufacturer based in the North of England, wanted to know what generator system could supply enough nitrogen to replace the adhoc and unreliable nature of ordering bottle banks. This system had to meet their varying gas consumption patterns whilst remaining cost effective solution.



## CHALLENGES

- The clients gas invoices could not show the varying nature of how they consumed gas, day-to-day.
- The Flowrate requirements provided by the laser manufacturer/OEM were estimates and incorrects
- Using blanket spread sheet

# HIGH PRESSURE CONSUMPTION METER

OEM's



*Advanced. Portable. Cost-effective*

[www.nitrogensupplycompany.com](http://www.nitrogensupplycompany.com)

## BENEFITS

- Clients save thousands upfront
- Correct data used to size gas system
- Remote monitoring via online dashboard
- Production job cost audit
- Saving and payback reports

## SOLUTION

NSC offered Brit-Tipp a remote monitoring solution, to help gather their gas consumption data in real time. After just a few days, iMonitoring had captured the actual gas flow rates when cutting a range of material, identified the maximum amount of storage required for the new system, pin pointed how many hours in the day were available to fill the storage and informed what size nitrogen generator was needed.

## RESULTS

The results of iMonitoring analysis showed that a 40 bar on-demand system was ideal for Brit-Tipp's consumption pattern. The smallest 300 bar system would have been over sized for their requirements. This was great news as Brit-Tipp were able to save £30,000 in initial capital investment, whilst saving £1,600 per month in gas invoices.

## CONTACT

☎ +44 2477 360 177

✉ [sales@nitrogensupplycompany.com](mailto:sales@nitrogensupplycompany.com)

📍 111 New Union Street Coventry UK

POWERED BY | iMonitoring