



BCAS

CASE STUDY:

All-in-one compressed air station – a simple and convenient solution



counter
production

New air station brings convenience and reliability

Overview

Client: Counter Production Ltd

Industry: Bespoke solid surface fabrication

Location: Watlington, Oxfordshire

Project: The supply, installation and commissioning of a Champion Elite air station, to replace failing equipment

Counter Production

Counter Production specialises in the fabrication and installation of bespoke, solid-surface materials, particularly Corian® worktops. The company has been servicing the kitchen and bathroom trade, including designers, architects, and contractors for over 40 years, with a commitment to excellent craftsmanship throughout.

Precision templating is a crucial element of the production process at Counter Production as it enables them to deliver consistent quality across every project. A clean, dry, and reliable source of compressed air is needed to run their CNC equipment, wall saw, and blow guns.

A clean, dry source of compressed air is required

The customer had been using an Almig Combi 6-10 compressor for several years and it had met their requirements adequately. However, the machine was old and despite it being serviced regularly, eventually, the air end failed and due to the age of the compressor, it was beyond economic repair.

When it came to recommending a suitable replacement, the challenge was to include ancillary equipment within the installation, (to ensure air was clean and dry), whilst accommodating restrictions in space and budget.

The perfect solution

Champion, from Gardner Denver, offered the perfect solution.

CHAMPION



Compressed Air Case Study: Counter Production Ltd



To meet the customer's needs comprehensively, BCAS recommended the Champion Elite Series.

A true 'plug and play' compressed air system, the Champion Elite is a lubricated screw machine, but as an air station it delivers clean, dry air in a complete package.

This includes:

- Rotary screw compressor
- Horizontal tank
- CHR Series refrigerated dryer
- Oil/water separator
- CHF filter package
- Condensate drains



A true 'plug-and-play' compressed air system



A recent addition to the Champion range, the Elite Series of air stations, meets the air treatment needs of many processes at the same time as offering:

A small footprint

As the compressor and other constituent parts are mounted on a receiver, this model is very compact and therefore ideal for settings where space is restricted.

Convenience

The plug-and-play design of the air station makes installation and servicing faster and more straightforward.

Versatility

Being a single unit, the Elite can be repositioned easily if required and is available in 7.5kW and 11kW versions.

Reliability

Champion's rotary screw technology and robust air-end design are built for durability, consistent output, and dependable operation in demanding environments.

Ideal for settings where space is limited

Compressed Air Case Study: Counter Production Ltd



Compliance

The integration of an oil/water separator means the air station treats its own oily condensate on site, allowing the cleaned water to be safely discharged and in line with the legal requirements of the Water Resources Act 1991.



Quiet operation

An enclosed, low-noise design makes it suitable for installation close to the point of use, reducing the need for a separate compressor room and improving operators' comfort and safety.

Value for money

The Champion range is suitable for a mid-range budget and yet it still comes with the quality you would expect from a Gardner Denver product. With the full features and benefits of the Elite air station, this model offers even greater value for money.

In fact, replacing ageing equipment often delivers immediate gains because a modern air station with a new, high-efficiency air-end can produce the same airflow using less energy, making it a smarter long-term investment than repeatedly repairing outdated machinery.

Quality you can expect from a Gardner Denver product

With all of these additional benefits, the installation of the Champion air station has delivered so much more to the customer than a simple like-for-like replacement.



Compressed Air Case Study: Counter Production Ltd



Peter Fincham, Production Manager at Counter Production said "with repair not being a cost-effective option for our old compressor, it was clearly time for a replacement."

"The new machine needed to be something we could run inside the factory, so it had to be small and quiet. We also wanted it to be easy to operate, with not too many maintenance checks to conduct."

"The simplicity and compact design of the Champion Elite air station enabled us to do this, at the same time as fulfilling our requirement for a machine that is economical to run."

Economical to run



Neil Littlewood, Technical Director at BCAS said "At this price point, there isn't much on the market that can match the quality, functionality and convenience of the Champion Elite Series."

"This compressed air station was the perfect solution for Counter Production, meeting their air treatment needs simply and quietly, without taking up much space."

An unobtrusive but crucial asset

"An unobtrusive but crucial asset to their production process."

Replacing outdated equipment often delivers far greater gains than expected and this installation is a prime example of that.

Huge potential for improvement

Given the huge potential for improvement, when purchasing new equipment, the guidance of a compressed air specialist is essential. With over 35 years of experience, BCAS can advise on the most effective solution for each client's individual needs.

Speak to BCAS to find out how we can help:



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