



fridge
HUB



Case Study: Quality cooling delivers for commercial kitchen

High-efficiency refrigeration equipment supplied by Dean & Wood is helping a new commercial kitchen in Manchester to deliver more than 25,000 restaurant-quality meals, desserts and artisan breads each week to leading chains across the UK.

The service is designed to overcome the UK's shortage of chefs by supplying ready-prepared meals that only need to be re-heated/cooked at the restaurant, thus removing the need for lengthy preparation during the day. This project is the first of possible further developments for future production facilities to supply the whole of the UK with the same service.

Based in Trafford Park, a total £6m investment in the new 26,000sq/ft operation saw leading Manchester-based refrigeration contractor Chill Factor Services Ltd asked to design and install the required chill and freezer rooms for the site. The solution had to consider the high turnover of product and consequently high use of both rooms as produce comes in and then onwards to customers.

Darren Ditchfield of Dean & Wood Manchester said: "Due to the high value and volume of the product moving through the operation, it was crucial that the equipment selected was both energy-efficient and reliable. We were delighted to be able to come up with a solution that ticked all the boxes for both the end user and installer."

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It was proposed that the optimum solution would be to use two market-leading Danfoss Optyma Slim condensing units for the chill room configured in run and standby, and a Bitzer LH dressed condensing unit for the freezer, all coupled with suitable LU-VE evaporators.



Christian Chevreau of Chill Factor Services said: “We chose Dean & Wood for the freezer and chilled equipment because they offered the best options available.

“The **Danfoss Optyma units** are a breeze to work with and are the best available on the market. Combined with the **LU-VE evaporators**, we were able to deliver the installation on time due to the simplicity of the units.”

“The electronic panels were also provided to our preference by Dean & Wood, which made the install so much easier.”

“The **Bitzer housed condensing unit** used for the -20°C freezer was equipped with the exact specification for the customer and was simple to install and commission with the assistance of Dean & Wood Manchester. A job well done for all Involved.”



EQUIPMENT

Freezer:

- 1 x Bitzer LH135E/4HE-18Y
- 1 x LU-VE E45HC4932E9 cooler

Chill room:

- 2 x Danfoss Optyma Slim MSXM057MLW05E
- 2 x LU-VE F35HC117E6 (configured for duty and standby)

If you have a fridge project that you would like to discuss please contact your local Dean & Wood branch, or visit www.fridgehub.com which details the benefits on offer from our in-house team of refrigeration specialists.