

BIDDLE CASE STUDY

BIDDLE PROVIDES INDUSTRIAL AIR CURTAINS HEATED BY AN ENVIRONMENTALLY FRIENDLY BIOMASS SOLUTION FOR A LEADING KITCHEN MANUFACTURER.

THE PROBLEM

Based in North Yorkshire, the company manufactures & supplies high quality kitchens to retail merchants and private properties across the UK.

The client approached H E Barnes to provide a solution to allow freedom of material movement through their large external doors, without gusts of wind blowing through the manufacturing area and creating an unbalanced, cold internal climate, wasting money on unnecessary heating.



THE BIDDLE METHODOLOGY

Biddle had previously supplied air curtains to the customer more than 10 years ago, and was the preferred supplier to supply the new air curtains. The IndAC₂ industrial air curtains supplied more than 10 years earlier are still in perfect working condition at clients sister factory.

Due to the large door widths and heights, a number of air curtain units would be needed to ensure peak climate separation. Any gaps would not allow the units to provide the ideal invisible barrier of air and the height of the doorway stipulated that only our industrial range would be powerful enough to allow the airflow to reach ground level.

One of the client's main objectives is to be as environmentally friendly as possible, finding new ways to reduce their carbon footprint. During the production process of the kitchen units, a high amount of sawdust is created. This is normally discarded as waste, however the client now recycles 100% of the dust within a 1MW biomass heating system, which heats the entire building including providing the hot water for the IndAC₂ air curtains.

THE BIDDLE SOLUTION

A key customer of Biddle, H E Barnes have expertly installed multiple IndAC₂ units on the client's site to the highest of standards and design flexibility.

Equipped with door contact switches and fault signals, the units offer a smart solution automatically regulating airflow, providing optimum climate separation.

We also supplied our B-Touch controls which house our intelligent software, this working in tandem with the IndAC₂ air curtains standard supplied energy saving high performance EC fans and customers Biomass water heater, achieves the objective of being as environmentally friendly as possible.

Now fully operational, the company has ensured comfortable working conditions for its employees by reducing the heated and cooled air exchange and substantially improved upon the energy and cost savings. Industrial air curtains from Biddle, engineered to last and manufactured with the customers' needs at the forefront.



BIDDLE AIR SYSTEMS

St. Mary's Road
Nuneaton
Warwickshire
CV11 5AU

T +44 24 7638 4233
E sales@biddle-air.co.uk
www.biddle-air.co.uk

Biddle