



MANSFIELD POLLARD
AIR MANAGEMENT EXPERTS



BURTS SNACKS LTD.

Leicester Production Facility

Large airflow AHU Supply Unit
with High Capacity Gas Burner

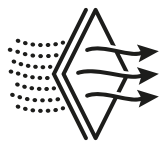
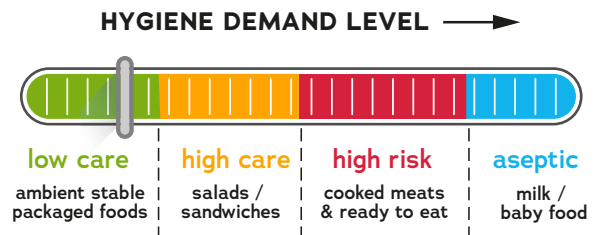
FOOD HANDLING & PRODUCTION

Air Handling Solutions by Mansfield Pollard

LARGE BUILDING HVAC SOLUTIONS

AHU GUIDELINES FOR THE FOOD INDUSTRY

In food production sites, environmental air must be of a specified quality in terms of temperature, particle concentration and humidity. Additional controls are required for the manufacture of certain products and for high care production areas, in order to reduce the risk of contamination.



Filtration

Effective filtration system to remove pollutants



Air Management

Maintaining constant temperature and airflow



Control System

To maximise energy efficiency through environmental control

LARGE BUILDING HVAC solutions

Burts Snacks, the home of Burts hand cooked crisps has recently undergone a program of significant expansion. A 60,000ft² extension brought the available food production space to over 130,000ft² with additional investment in upgrading and implementing new machinery to double the previous capacity and output.

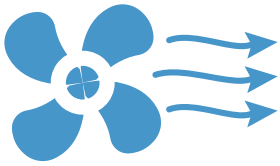
As experts in large building HVAC solutions, Mansfield Pollard were engaged to provide heating and ventilation for the large open plan facility. The requirement was to maximise indoor air quality for employees and stabilise ambient temperature at a comfortable 20°C.



Burts Snacks - Food Processing Plant

PROJECT HIGHLIGHTS

16.7m³/s



583 kW



60,000ft² @20°C



A roof mounted 3x3x6m **supply only unit** was manufactured to provide a duty of 16.7m³s for the 60,000ft² additional production space. Two **condensing gas fired heat exchangers** were required to maintain a consistent air temperature of 20°C. Two large **weatherproof cowls** with **high efficiency filtration** system ensured the supply of clean air and the unit was fitted with an **integrated BACnet control** system to link the unit to the existing BMS to maintain and regulate airflow and temperature.

BUILD



DELIVER



COMMISSION





Specialist AHU Applications
FOOD PROCESSING PLANT

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