

# KEEPING MAZAK, MILLING, TURNING AND CASTING — AT A COOL 21°C

## PROJECT DETAILS

### Client

Yamazaki Mazak

### Completed

November 2016

### Oakland Business Line

Trend BEMS installation

### Objective

Temperature Management

AT YAMAZAKI MAZAK'S EUROPEAN HEADQUARTERS, MANUFACTURING PLANT & EUROPEAN TECHNOLOGY CENTRE IN WARNDON, WORCESTER, OAKLAND AIR CONTROL HAVE JUST COMPLETED THE INSTALLATION OF 7 NEW TREND CONTROL PANELS ALONG WITH TEMPERATURE SENSORS FOR THE MAIN MANUFACTURING AREAS.

Mazak are one of the world's leading manufacturers of advanced machining technology solutions including Multi-Tasking, 5-axis, milling, turning, CNC controls and automation.

Their global clients include companies manufacturing in the fields of Automotive, Aerospace, Energy, Construction, Die and Mould, Medical and Marine.

It is essential for the manufacturing areas to be kept at a constant 21 degrees centigrade. This ensures that the very tight tolerances to which these machines are built are not affected by temperature variations at the various stages of manufacture and construction.

Mazak manufacture many of the components of their product at the Worcester site from scratch including machining their own castings, and making their own spindles, turrets, tool magazines and sheet metal covers.

Oakland were asked to inspect and refurbish where necessary, all the AHU's that serve the manufacturing areas.



Spot the sensor!



One of 7 new panels



Roof view of some A/C assets



Air Handling Unit

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**7No. Dougall Sutton heaters existing control thermostats were replaced, with the Trend solution effectively providing:**

1. Replacement Timeclock
2. Setpoint Adjuster
3. A new Sensor per unit

**For the 8No Hoval heaters, the Trend solution provides:**

1. Start/Stop signal for the fans
2. Heating start signal for each unit
3. Cooling signal per unit
4. New sensors and future proofing of the controls

All of them were connected to the Trend network and the 963 Supervisor page was configured with an updated strategy.



This latest project is the continuation of a relationship between Oakland Air Control and Mazak going back to the early 2000's, they are another of our longest standing and most valued clients.