

Case Study: Composite Curing Oven

Project: Curing Oven

Client: A global aerospace organisation

Project Brief: To provide a new oven for curing composites.

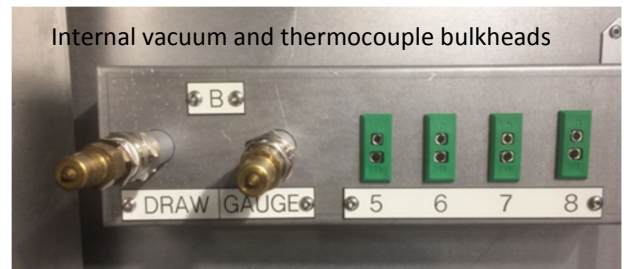
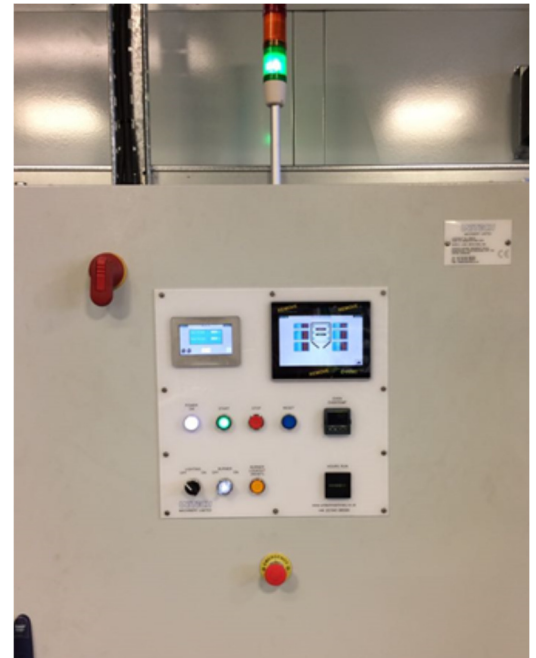
The requirement was to supply a new oven for our client to be used in the curing of complex composite products used in the aerospace industry. The oven control system is capable of operating on multiple menus providing controlled ramp and dwell profiles $\pm 3^{\circ}\text{C}$.

Controls provide a series of menus for different products, with profiles for temperature and vacuum lines. Data acquisition and control is provided for multiple thermocouples and vacuum lines.

To minimise the installation period during the client’s annual shut down period, the oven was assembled in our Staffordshire factory and then split into three main sections for shipping to site.



Oven Interior



- Plant Features:**
- Energy efficiency
 - Data control and acquisition
 - Vacuum and temperature monitoring

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