



Bespoke Heavy Duty Ovens



H.D.O. Introduction

Genlab have been supporting a full range of industries with our range of custom designed ovens for over 50 years. Working closely with our clients, we take great pride in understanding your needs, and offering a bespoke thermal solution tailored to your requirements. We offer full turn key solutions, from concept to installation, manufactured in the UK, at extremely competitive rates with great aftercare support.

Using highly experienced thermal engineers, and years of continuously improved designs, we are market leaders in bespoke thermal solutions from 6 litres up to 20000 litre designs. Our proven design offers one of the best temperature uniformities available today.

Bespoke Designs

We have a variety of standard frame sizes available, which can easily be adapted to suit your application at no extra costs. Each design comes with a variety of options to choose from to tailor it to your requirements. Precise manufacturing designs keep the oven frame and doors cool during operation by forcing cooling air through the framework whilst heavy duty industrial insulation ensures our premium designed ovens run efficiently and offer significant energy savings over our competitors.



Your Instrumentation Choice

To offer quick lead times we have prebuilt control panels part assembled. Our standard design offers auto tuning PID control, independent temperature policeman with manual reset, flashing siren beacons and indication for overheat and fan failure. We can finalise the control panel build to your requirements. Working with the leading instrumentation manufacturers such as Eurotherm, ABB, West, CAL, Tecnologic you can choose your preferred controller and recorder and we will configure and calibrate them to the oven design.



Available Options

- * Electric or gas fired
- * Floorless, insulated floor, channelled floor, or reinforced floor designs
- * Explosion relief panels
- * Choice of powder coated mild steel or stainless steel
- * Choice of any colours to suit your corporate image.
- * Fan speed control and selectable motor sizes
- * Approved safety interlocks and safety shut down systems
- * Choice of control panel position or remote monitoring
- * Manual, automatic, top opening and pneumatic door mechanisms
- * Power ratings and voltages tailored to your process
- * Bespoke ventilation systems
- * Choice of temperature sensors from any thermocouple or Pt100
- * Internal product temperature monitoring
- * Bespoke shelving and internal oven fabrications
- * Timer and profiler options for batch control and recording
- * Closed loop, manual or cascade control systems
- * FDA and NADCAP approved monitoring
- * Full range of communications.
- * UKAS traceable calibration and temperature uniformity surveys.

Bespoke Design Examples



Stainless Steel Ovens



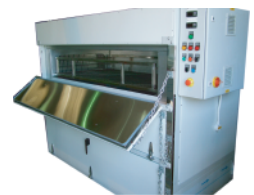
Pneumatic Opening Ovens



Conveyor Ovens



Roller Shutter Ovens



Chamber Ovens

