

## GG Services Birmingham Gas Fired Drying Oven

**Sorry, this machine is no longer available**

We might be able to meet your requirements with other [Powder coating, wet paint plant & equipment](#) machines.



Stock No	<a href="#">OT1323S</a>
Manufacturer	<a href="#">GG Services Birmingham</a>
Model	Post Clean Drying Oven
Year of Manufacture	1998
Work Envelope (WxDxH mm)	640 x 1650 mm
Process Stages	Single stage drying
Other Info	Pass through tunnel oven
Location	West Bromwich
External Dimensions (WxDxH mm)	1,700 x 10,800 x 5000 mm

### Description

**\*INITIALLY ONLY AVAILABLE AS A PACKAGE - PLEASE SEE OUR 'Komfort' SITE CLEARANCE\***

**\*\* Individual offers MAY be considered \*\***

## **GG Systems conveyorised track tunnel oven**

### **Excellent Heat Distribution**

A good distribution of heat is vital for successful process Oven design. Indeed, GG Ovens are often specified in the most critical of applications requiring temperature profile stability. To ensure good performance, the GG Oven incorporates medium pressure multi vane centrifugal fans complete with scroll casings to provide a very positive and well controlled air movement. This produces at least four complete air recycles per minute. Large duct work ensures that the high air volume will not disturb the product.

GG Ovens are produced by using a 'Modular' design concept. The ovens are constructed utilising standardised modules, panels and components.

### **Fully Bolted Construction**

The oven panel work is bolted together during final assembly. For this reason the oven can, be 'Flat Packed' to make delivery and positioning on site particularly simple. Furthermore, future modifications to the oven's size are also much simplified.

### **Fully Insulated Heated Box and Recirculations Fans**

The oven's heat exchanger enclosure incorporates integrated, internal, plug type centrifugal air recirculation fan with external motor. With this design none of the hot fan components are in any way exposed to colder air. Not only does this design offer a clean and smooth appearance to the Oven, but also heat losses from the Fans are virtually eliminated. Furthermore, a fully insulated heater box prevents radiated heat from being projected into the Oven in any uncontrolled manner, as would be the case if the Oven's interior were not properly isolated from the heater box.

### **Explosion Relief System**

The majority of the Oven roof area comprises of special panel work which is specifically designed to harmlessly disintegrate and vent off to atmosphere should an explosion occur within the Oven. This system far exceeds the recommended requirements under British or C.E. legislation.

### **Electronic Over Temperature Protection**

As a totally independent module to the master oven control system, GG Ovens also incorporate a thermal sensor mounted within the air heater box, this sensor is connected to an independent electronic temperature controller mounted inside the control panel. In the unlikely event that the heater box temperature should exceed the Oven's design parameters, the heaters are shut down.;

### **Electronic Fan and Pressure Protection**

Sensors constantly monitor recirculation fan performance. If for any reason the recirculation fans are not drawing sufficient air volume or air pressure, the heaters are shut down. If the fans should become electrically overloaded, the entire oven is immediately shut down.

### **All Insulated Galvanised Construction**

To ensure a very long service life the oven panel work is made up from high grade galvanised steels with high density mineral wool slab insulation filling.

### **Air Seal System**

Efficient air seals are crucial to efficient Tunnel Oven design. The Air Seals minimise the otherwise inevitable heat losses that would be generated by the apertures that must allow the product to enter and exit the Oven.

The GG airseal system is an industry standard design. In simple terms, hot air is drawn off, just before escaping the Oven by an oversized, slow running multi vane fan system which is plugged into a multi-chamber air box above the apertures. This air is then blown back into the Oven by carefully designed duct nozzles, a short way behind the apertures. The air is blown back all around the product at high volumes and low velocity to prevent disturbing the product.

### **Fume Exhaust System**

GG Ovens incorporate a powerful and positive, fan assisted, fume and solvent evaporation and exhaust duct system as standard. The exhaust system never relies merely on convection evaporation and it can be adjusted to suit different applications.

### **Purge and Cool Timers**

To ensure a safe start up and shut down sequences the GG Oven includes an electronic sequence control system. This system ensures that the heater(s) will only switch on once the fans have safely evacuated any solvent or gas fumes that may have accumulated. At the end of a shift, a simple press button initiates the controlled shut down cooling sequence, allowing the fans to cool the heaters properly prior to shutting down fully

### **Feature Check list:**

- Natural gas, heating
- Digital temperature controller
- Accurate and stable heat control
- Galvanised Steel construction.
- High density mineral wool insulation
- Fully insulated heater chambers and fans
- Ample explosion relief panel work
- Air Seal System
- Safe and adaptable control systems
- Compliance with safety and environmental legislature

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**