

375°C Industrial Box oven



Stock No	OF2675
Model	OV1400 Box Oven
Serial	1059
Condition	From a working environment, Good Condition
Internal Size (WxDxH mm)	1100mm x 1400mm x 1000mm
Max Temp	375°C
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	1250mm x 2650mm x 1800mm

Description

This Industrial Forced-Convection Recirculating Box Oven is a prime example of a compact yet heavy-duty processing system. The batch-type oven delivers reliable, precise heat distribution across an operational range of up to 375°C and is specifically engineered to satisfy a diverse range of industrial component treatments, including coating curing and material testing.

1. Construction

Chamber Design: Features a robust, high-capacity stainless steel internal chamber engineered for harsh cycles.



Space-Saving Access: The double-door assembly utilises a secure 4-point locking system. The doors pivot on a central point to drastically minimise the floor space required when fully opened.

Drive Mechanism: Utilises a rear-mounted, indirect-drive motor and fan arrangement to isolate moving components from high process temperatures.

Heat Distribution

Element Configuration: High-efficiency heating elements are mounted at the rear of the oven and distributed evenly along the sidewalls.

Airflow Pattern: The forced-convection system drives airflow horizontally into the primary heat treatment area, ensuring uniform thermal saturation.

Control System

Isolated Housing: The control panel is mounted in an independent, external enclosure to protect sensitive electronics from oven heat transfer.

Precision Regulation: Features a high-specification Nanodac controller for advanced logging and precise PID temperature management.

Fail-Safe Protection: Equipped with a dedicated Eurotherm over-temperature device to prevent thermal runaway and protect valuable payloads.

This Industrial Forced-Convection Recirculating Box

Oven is a prime example of a compact yet heavy-duty thermal processing system. This batch-type oven delivers reliable and precise temperature distributions across an operational range up to 350°C. It is engineered to satisfy a diverse range of industrial component treatments including coating curing, and material testing.

A well designed, robust oven offering a large stainless steel chamber with a rear mounted, indirect drive motor and fan arrangement.

The heater elements are also mounted at the rear of the oven and distributed evenly along the sides of the oven and horizontal across the heat treatment area.

The oven chamber is accessed by a double door arrangement with a 4 point locking system. Unusually, the doors are pivoted on a central point to minimise area taken up when opened.

The control panel is mounted separately to the oven in its own housing and consists of a high specification Nanodac controller and a Eurotherm over temperature device.

Operating up to 375°C, this oven is a perfect solution for multiple industries, including;



Finishing & Coatings

Paint stoving

Epoxy/polyester powder curing

Lacquer drying.

Plastics curing

Rubber softening, and hydrosetting.<!--TgQPHd||||--><!--TgQPHd||||-->

Metal annealing, spring stress relieving, and bulk moisture removal.<!--TgQPHd||||--><!--TgQPHd||||-->

<!--TgQPHd||||-->

<!--TgQPHd||||-->

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