

Forced Convection Box Oven For Curing and Drying Processes

For example drying of ink on key boards



**Forced Convection Box Oven
640 L
Temperature range 70 – 300°C**

Features:

- Horizontal Air flow
- Up to 15 shelves
- Shelves easy to exchange
- Temperature range 70 – 300°C
- High temperature uniformity based on high air flow
- Heating elements are mounted in front of ventilator, therefore perfect mixing of air and uniform air temperature
- Inlet and outlet duct for exchange of process air
- Exhaust volume adjustable
- Timer
- Close loop control
- Process dimensions 800 x 800 x 1000mm

Others on request

Process description:

The forced Convection Box Oven is designed to dry ink on mobile phone key's.

During the drying process 50m³/h fresh air input is necessary in order to realise the process. This is supplied by an adjustable valve, mounted into the exhaust duct of the oven..

To process the product, 15 shelves are provided in the process zone, which can be exchanged easily.

The process temperature can be set on an electronic close loop controller. If the process temperature is reached, a timer starts and the process time runs out. After that time the heating is switched off and the oven cool down. The products are taking out and new products can be loaded and the process can be started again.