

Full Forced Conveyorized System For Automotive Industry

For curing of SilGel



Sil-Gel Drying System FC 7500 S

Features:

- Full forced convection heating with absolute temperature uniformity
- Process zone divided in several independent controlled zones
- IR emitters can be added in each zone in order to optimize the heat transfer
- High volume production
- All conveyor belt types available (mesh type, PTFE, chain conveyor)
- Temperature control with pyrometer in each zone
- Automatic close loop control
- Servomotor with smooth Start and Stop option
- Visual process control by operator panel OP
- Easy access to process room by clam shell opening supported by gas spring or pneumatic cylinder
- Separate control cabinet (IP 54)
- Process zone length up to 7.500 mm
- Conveyor width up to 1.200 mm

Process description:

The products, filled with Sil Gel are placed on the conveyor by hand. The drying temperature is adjusted at 90°C.

The parts are transported on a mesh belt conveyor, which is divided in two parts. The first part is running in the heat zones only in order to save energy, the second part is placed in the cooling and outlet section and convey the parts out of the oven.

At oven exit the parts are removed by hand and directly packed.

The airflow show an optimal heat transfer to the product. The system is thermally insulated and heat loss therefore minimized!

Due to perfect insulation the system show very few energy loss and the nominal power could be minimized.