

Infrared Drying System For the Automotive Industry

Drying of Paint or Curing of Adhesive on Rubber Seal Profiles on Car Windows



Primer-Drying System MW-IR 2.4

Features:

- IR Emitters with gold reflector
- Short cycle time – high throughput
- Process Timer
- Shelf blocked during curing time
- Shelf easy movable
- Support pins with cover to avoid sliding of window
- Temperature control via IR Pyrometer
- Automatic temperature control
- Process control via OP
- Easy access to process room

Process description:

Paint will be applied on the rubber seal on car windows, which has to be dried in the IR unit. The support pins allow to process right and left window or only right or only left windows. The removable work piece holder is equipped with support pins and positioning bolts. During the drying process the shelf cannot be moved due to locking device. The glass of the window will not be heated!

The drying will be processed by medium wave twin tube emitters with gold plated back. This emitter offers high efficiency and optimized heat transfer to the product due to integrated gold reflector. After loading the windows on the support, and pushing the shelf into the process zone, the drying process will start automatically.

During the adjusted process time, the shelf is blocked!
The following processes are possible:

- Pre heating upon an adjusted end temperature. After the temperature is reached, The shelf will be unlocked and the window can be removed.
- Pre heating on an adjusted temperature, holding this temperature for an adjusted time. After run out of this time the shelf can be opened and the windows can be taken out.

All temperatures are Pvrometer controlled.