

Curing Conveyor Oven w/Cooler

US Manufacturer Job Profile



Requirements

ITS shipped a curing conveyor oven with a cooler to a US manufacturer. The oven cures adhesive to bond rubber and metal components.

Solution - Curing Conveyor Oven with Cooler

The continuous conveyor oven with cooler is an electric heated oven with a maximum operating temperature of 450° degrees. Heated air is delivered vertically through the work chamber. The oven includes an exhaust system that remove solvents released from the curing of the adhesive. The curing ovens operates at a temperature of 331° F with a +/- 10° F tolerance with a dwell time of thirty (30) minutes. After the part reaches the required temperature, it must cool down to a temperature allowing the operator to handle the parts.

The oven was furnished with a Nema 12 style control panel with SCR controlled heating circuit and variable frequency drive for adjusting belt speed.

Results

With a process driven air flow design and tight temperature uniformity, this conveyor oven is reducing operating costs while increasing production output and quality. When heated, the oven has the capability of processing 1270 pounds of steel and rubber parts per hour.

Summary

ITS manufacturers both standard and custom engineered ovens. ITS custom conveyor ovens are:

- Designed/engineered for the specific application
- Include optimized air flow management design
- Deliver temperature uniformity for the specific product

We look forward to partnering with you.

Contact ITS for a product proposal
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