

INTEK Intelligence

ELECTRIC CONVECTION OVEN with DOUBLE VERTICAL CONVEYOR

SN 3598



PROJECT: Double Vertical Drying Oven for Appliance Parts

THE CHALLENGE

INTEK was challenged by a large producer of home appliances about their need for a high-volume drying oven. However, floor space was limited. Rather than going with an inline conveyor oven they specified a vertical oven to utilize available ceiling height. Not only did they want to go vertical, but they wanted to double the production. So, instead of designing two separate ovens, INTEK integrated two ovens into the design. Due to the size of the oven it would be difficult if not impossible for the operators positioned on opposite sides of the oven to communicate with each other. To meet this challenge, the oven was equipped with dual visual displays so that each operator would know what the other was doing. Various sized products were identified sequentially based on their position within the drying oven so that each operator knew what was coming and going during the operation. Challenge met!

PRICE RANGE: \$800,000 – \$1,200,000 depending on complexity of automation and selected controls.

SYSTEM DIMENSIONS-INTERNAL: Dual, side-by-side oven chambers, each measuring 60 in. x 252 in. x 204 in.

POWER REQUIREMENT:

200kW / 480V-3PH / 260A / 60Hz

HEAT SOURCE: 200 kW, Electric Convection

EXHAUST & RE-CIRCULATING BLOWERS INCLUDED

PROCESS TEMP: 600°F

PROCESS TIME: 20 Minutes

RESULTS: Met all customer's stringent standards and demanding production requirements.



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