

INTEK Intelligence

Convection Preheat Oven

SN 200555

PROCESS: Preheating Metal Parts Prior to Urethane Coating



THE INTEK SOLUTION

A leading heavy truck suspension manufacturer with a processing challenge with their preheat process. They were utilizing a large standard batch oven to preheat parts, the challenge was that a part was needed every minute, so operators were opening/closing the heavy door 60 times an hour, which affected both process and thermal efficiencies. INTEK worked with their engineering department to develop a preheat oven suited both in size and optimized process flow. The solution included a compact oven chamber to fit a custom product cart as well as (2) doors, (1) rear manual door and (1) front high temperature roll-up style door. INTEK provided automation with a light curtain system to allow auto door operation at the point the operator enters the light curtain area.

PRICE RANGE:

\$35,000-\$65,000

SYSTEM DIMENSIONS-INTERNAL:

24" W x 24" D x 72"H

POWER REQUIREMENT:

16kW / 480V/3ph / 60Hz / 35A

HEAT SOURCE:

Electric plug heater

RECIRCUCLATING BLOWER:

800CFM

EXHAUST:

Convective (Powered exhaust optional)

PROCESS TEMP:

250°F

PROCESS TIME:

2 hrs.



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