

INTEK Intelligence

Continuous Oven with Dual Conveyors

SN 200006

PROJECT: Curing Electric Motors



THE CHALLENGE:

INTEK was approached by a major manufacturer of brushless motors to build a custom conveyor oven with two conveyors in a single heat zone. The conveyors were to be capable of running both directions to allow production runs originating from either end of the oven. The solution was to provide a single-zoned electric convection oven with one heat zone, but two variable speed, independently-controlled belt conveyors, each 24 inches wide. The oven was also designed with a separate exhaust fan and enhanced UL 508A controls with the ability for ethernet communication built in.

PRICE RANGE:

\$90,000 – \$120,000 depending on control options

SYSTEM DIMENSIONS-INTERNAL:

144" Length, 36" Width, 12" Height

SYSTEM DIMENSIONS-EXTERNAL:

192" Length x 52" Width. 60" Height

POWER REQUIREMENT: 240V, 3ph, 60Hz, 45Amps

WATTAGE: 18kW

HEAT SOURCE: Electric Duct Heaters

RECIRCULATING BLOWER: 1.5 HP 2500 CFM

EXHAUST: Fractional HP, 300 CFM

PROCESS TEMP: Variable

PROCESS TIME: Variable

RESULTS: A single oven does the work of two.

COST SAVINGS: Significant space savings and energy efficiency.



290 Independence Dr.
Union, MO 63084 USA
636-584-8500
www.intekcorp.com