

INTEK Intelligence

EXERCISE & PLAYGROUND EQUIPMENT

7/18/2008

SN 85019

PROJECT: Conveyor Oven Expansion



THE CHALLENGE:

Improve performance of large gas fired monorail conveyor oven?

A leading manufacturer of powder coated outdoor playground equipment needed to improve the performance of its gas fired continuous oven. The line speeds demanded of its monorail conveyor was leaving the product just partially cured. Intek was called in to propose a solution. The solution was to add additional heater banks, individually zoned, to account for different product sizes, to be added to the entrance end of the conveyor oven. Intek's modular IR heaters were

installed by the customer's own maintenance staff, in their existing oven's entrance vestibule without consuming any additional floor space. Intek also provided a multi-zoned control panel dedicated to the precise operation of the added heaters.

PRICE RANGE: \$18,000 - \$24,000

Price varies greatly depending design requirements.

SYSTEM DIMENSIONS:

60" W x 60" L x 60" H

POWER REQUIREMENT: 480V

HEAT SOURCE: 144 KW

RECIRCULATING BLOWER: N/A

EXHAUST: N/A

PROCESS TEMP: N/A

PROCESS TIME: Varies

RESULTS: Cost saving idea to enhance performance of customer's existing conveyor oven.

COST SAVINGS: \$140,000 - \$165,000

Eliminated need to purchase new oven.



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