

INTEK Intelligence

Orthopedic Plastisol Products

9/16/2015

PROJECT: Curing PVC/Plastisol Products



THE CHALLENGE:

How do you increase your production capacity when sales are up and your current batch operation is limited?

Intek was contacted by a small manufacturer of molded plastisol orthopedic devices. The customer's existing process included manually placing molds into a convection batch oven system. This process limited production capacity as the convection batch process yielded uneven heat and relatively slow cure times.

Intek designed and manufactured a continuous electric infrared process conveyor oven allowing a double-digit production increase. Intek was also tasked with integrating the customer's existing cooling bath and return conveyor system creating an efficient complete curing system.

PRICE RANGE: \$25,000-50,000

Price varies greatly depending on selected options.

POWER REQUIREMENT: 16 Kw
240V 3Ph 60Hz 44A

HEAT SOURCE: Intek Infrared
Flat Panel Emitters

EXHAUST: 200 CFM

PROCESS TEMP: 425°F

PROCESS TIME: 9 minutes

RESULTS: Increased productivity by reducing cure times an average of 50%. Changing from a batch to a continuous process system added another layer of productivity allowing the customer to meet and exceed production goals never possible with the previous system



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