

POWDER COATING OPERATION ENHANCED WITH ELECTRIC INFRARED



INTEK's Flat-Panel Electric Infrared Modular Heaters have proven useful in drying, pre-heating, curing, and even burn-off on many industrial paint lines. Powder coatings and wet paint finishes experience numerous benefits such as improved finish quality and reduced drying times. It is also possible to reclaim floor space since infrared ovens are typically much smaller than convection ovens. In large conveyORIZED systems or small batch processes, flat-panel IR heaters are equally effective and energy efficient in most applications.

(INSIDE VIEW)

Cost Saving Retrofit - Systems Available to Fit Virtually Any Oven / Line

Typical Add-On System includes:

- Control Panel
 - Safety Disconnect
 - Digital Temp Controls
 - Type K Thermocouples
 - Heat Off-On Selector Switch
 - Hi-Limit Controller w/ E-stop
 - Circuit Breakers & Indicators
 - Distribution Blocks & Terminals
- INTEK Modular Heaters
 - 20ga Aluminized Steel
 - Pre-drilled Mounting Brackets
 - Integral Wire Way
 - High Temp Terminals
 - 240V or 480V connection
 - Self Insulated
 - 3 in. Ceramic Insulation
- Distribution Panels, High-Temp
Wiring, Conduit, & Hardware
- Professional Electrical Wiring
Diagrams & Installation Layout

Benefits of Infrared:

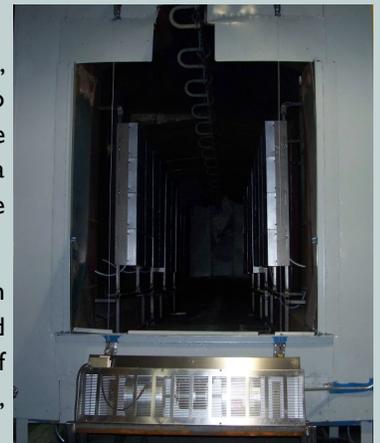
- Silent Operation
- No moving parts
- Fast Warm-up
- Uniform Temperatures
- Long Life
- Low Maintenance



Case in Point

A customer had an existing gas-fired convection oven that, although it had served them well in the past, just wasn't able to handle their increased demands. In addition, residual moisture was causing problems in the paint application. Larger parts and a need for faster line speed had management discussing expensive options like replacement of an aging but still operational oven.

INTEK quoted a completely new oven but also offered an alternative solution: keep the existing setup and simply add INTEK's patented electric infrared modular heaters to one end of the oven tunnel. The results were amazing: Minimal down time, improved performance, and \$50,000 under budget.



(END VIEW)