

### Electric Infrared Curing Solutions

For Curing... Water-base Solvent-base Powder

For Drying... Chromates Luburicants Phosphates Anti-fingerprint

# IR Smart Oven

BGK Finishing System

The IR Smart lab oven was designed to test your coatings and processes in your own facility. This oven will demonstrate the many benefits of electric infrared for drying and curing.

ITW BGK created the IR Smart lab oven to provide valuable data to aid in the process development and support of your infrared curing customers. The oven is designed to provide an accurate and repeatable testing environment.

#### The IR Smart Difference

- Control
- Repeatability
- ± 2% Temperature Accuracy
- High Efficiency

#### **ITW BGK Electric Infrared Benefits:**

- Direct Heat Transfer
- High-Efficiency (short ovens and operating costs)
- Instant Heat Output Control
- 0-100% Temperature Control
- Separate Zones (flexibility and energy savings)
- Self-Cleaning Interior
- No Pre-Heat

#### Primary Features:

- Independently Controllable Infrared Heat Zones
- Closed Loop Temperature Controls (PLC with operator interface screen)

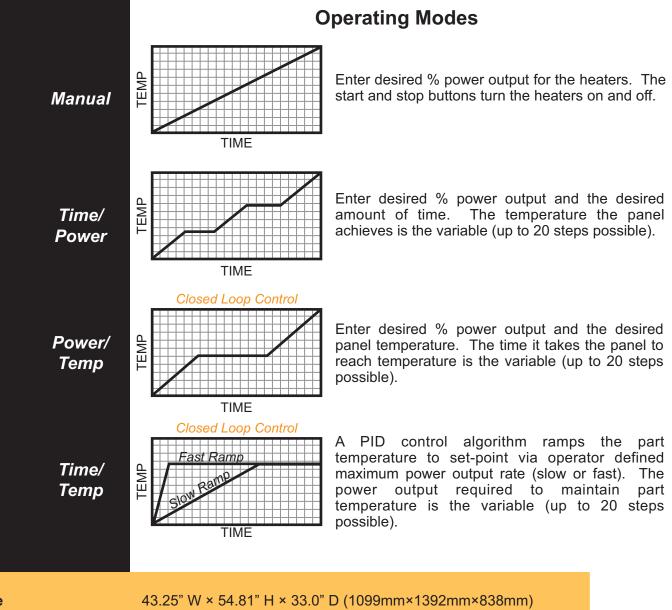
- Built-in Pyrometer Temperature Sensor (calibration panels included)
- Four Modes of Operational Control
- Pre-Mounted Exhaust Blower

#### **Optional Feature:**

• Smart Logger - allows creation of data files to store or print test data

#### Patent #6642486

## IR Smart Oven



Size	43.25" W × 54.81" H × 33.0" D (1099mm×1392mm×838mm)		
Weight	425 pounds (193 Kg)	IR Smart Oven Specifications	
Test Panel Size	10" × 14" (254mm × 356mm) Maximum		
Heat Zones	Top and Bottom (controlled independently)		
Operating Modes	Manual • Time/Power • Power/Temp • Time/Temp	· ·	
Power	480 / 3ø / 60 Hz • 44 amps • 28 kW (alternate voltages available)		
Lamps	(24) 1550 T3 Short-Wave • 290 volt		
Product Temperature	500°F (high temperature options available)		

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Curing Paint... It's What We Do.