



ITS Internal Bake Oven (IBO)

The Internal Bake Oven will complete the cure on the over varnish, ink, and inside coating on aluminum or steel cans.

Overview

ITS Internal Bake Ovens are designed to stand the test of time with rugged construction, superior performance, and ease of use in mind. The ITS IBO will efficiently and effectively evacuate solvents from the cans as they enter the oven as well as while they are being processed inside the oven. While in the oven, the cans will be supplied with proprietary supply nozzle and airflow technology that thoroughly purges the cans of solvent, efficiently heats the cans to allow for a proper cure, as well as provide superior can stability. The IBO also features a PTFE coated fiberglass belt supported by a perforated slidebed which contributes to improved thermal efficiency, can stability, and reduced maintenance costs.

Many other options are available on ITS IBO's such as nozzle height adjustment systems to raise and lower the supply nozzles during can height changes, safety railings and access ladders, cooling chambers, and more.

The synthetic conveyor belt helps maintain temperature uniformity and reduce energy consumption.

Features

- A synthetic conveyor belt reduces energy consumption; increases can stability, and eliminate metal fines.
- Automated conveyor belt tracking system.
- Our proprietary supply nozzle design achieves uniform vertical down airflow.
- All supply nozzles are easily removable for greater maintenance access to the oven interior.
- An automatic supply nozzle adjustment system is available to accommodate multiple can heights.
- The IBO features access doors along the length of the chamber for complete access to the oven interior.
- Variable Frequency Drives (VFDs).
- The IBO contains recirculation and exhaust dampers for uniform airflow balancing.



Specifications

- Heavy gauge Aluminized Steel
- High-density energy-saving insulation
- Panel and can type construction
- Sealed interior to prevent condensate leakage
- Access to the interior of the oven, fan, and burner chamber

Heat Sources

- LPG
- Natural Gas
- Fuel Oil
- Other Fuel Mixtures

Temperature Ranges Up to 500°F (260°C)

Options

- Multiple Zone (2, 3 and 4 zone) Configurations
- Multiple Conveyor Belt Widths (up to 10 feet)
- Ambient Air Coolers
- Integrated Exhaust with optional Oxidizer System to minimize energy consumption
- Designed to meet customer requirements up to 6,000 Cans Per Minute (CPM)

Material Handling Options

- Automatic Conveyor Belt Steering
- Horizontal Conveyor Belts in Synthetic or Stainless Steel
- Perforated or Herringbone Slide Bed Supports

Power Source Options

- Main Power Supplies 208 to 690 Volt AC, 50 and 60 HZ
- Control Voltage 24 Volt DC or 120/220 Volt AC