



# ARC Pacific Pin Oven



The ARC Pacific Pin Oven Features High Accessibility, Temperature Uniformity, and Minimized Gas Consumption

## Key Benefits

Designed to maximize ease and efficient operation, the Pin Oven has a single heat zone configuration that features temperature uniformity allowing the can to be cured in either 10, 12, or 14 passes. The cans are transported through the oven via a pin chain that maximizes can stability while curing the freshly applied labels from the Decorator. Constructed with a durable steel frame and a compact footprint, the oven also includes a top platform to maintain the return chain pass, providing high accessibility for safe and efficient maintenance.

The front frame of the Pin Oven is designed to accommodate your bottom rim coater alongside the chain tensioning unit. An optional two-pass cooling chamber significantly reduces overall Oven heat loss into the plant. Post-cooling chamber, cans are effectively discharged through the VFD Vacuum Pin Stripper, which transfers them off the pin chain and onto traditional conveyance systems. The Pin Stripper is also designed for label inspection cameras.

## Features

- VFD Motor Control for all Fans
- VFD Pin Stripper
- Interlock Guarding
- Advanced Nozzle Design for Rapid Heat Transfer
- Preheat of Incoming Fresh Air
- Manual or Automatic Bearing Lubrication System
- Cooling Chamber
- Pressure Sensors for Supply and Exhaust Duct
- Exhaust Orifice Monitor
- Up to 2400 with 10, 12, 14 Passes



# ARC Pacific Pin Oven

The oven's high-efficiency 6-inch insulated walls, 2-inch safety cool walls, and on-demand exhaust airflow system ensure optimal heat retention and minimized gas consumption.

The Pin Oven maximizes process efficiency with VFD blowers featuring an advanced nozzle design that enhances heat transfer onto the cans while also optimizing airflow control, further decreasing energy usage. VFD Recirculation Fans help balance process air under varying production conditions ensure optimal heat retention and minimized gas consumption. The Pin Chain Oiler, which features an option between a conventional or electrostatic type, ensure smooth and continuous machine operation.

An Automatic Bearing Lubricator enhances operational safety and minimizes maintenance requirements.

With safety and efficiency being integral design components to Belvac's machinery, the Pin Oven is equipped with monitors and regulators for improved process control. The Pressure Sensor monitors machine pressure to prevent contamination of the supply duct. An Exhaust Orifice monitor tracks exhaust air volume, ensuring compliance with EHS guidelines. The Gas Flow Meter and Regulator precisely measure gas consumption and regulate burner flames, ensuring efficient process control.

## Technical Specifications

Production Speed	Up to 2,400 CPM
Can Body Size Range	202 (52.8 mm) to 211 (66.2 mm)
Can Height Range	3.30" (83.8 mm) to 7.51" (190.8 mm)
Oven Passes	10, 12, 14 Passes
Cooling Chamber Passes	2 Passes
Sprockets	126-tooth
Oven Tilt	10° or 13°
Configuration	Right-hand or Left-hand
Maximum Operating Temperature	260° C
Oven Dwell Time	8.5 to 13 Seconds
Heat Source	Natural Gas at 5-7 PSIG or LPG
Burner	Maxon or Proctor
Pin Stripper	Extended, Suitable for Camera
Fans	Equipped with VFD, High-efficiency Motors



**Belvac Production Machinery**  
237 Graves Mill Road  
Lynchburg, VA 24502 USA  
434.239.0358  
www.belvac.com