

## Why the Metal Packaging Industry Selects ITS as Their Partner

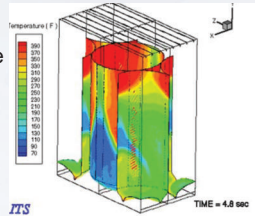
**Partnership Philosophy:** ITS approaches each project like a Partnership.

**Technical Engineering:** Drawing from decades of experience in various thermal applications, ITS engineering expertise and technical knowledge is unparalleled. Utilizing the best tools for the job, from the latest in engineering software packages to the most advanced control systems to actual field operations results, ITS engineering staff can design and manufacture the best solution for the thermal processing application.

**Quality Control:** Each piece of equipment is fully tested for performance in function, accuracy, safety systems, air management and temperature uniformity prior to shipment.

## Research & Development

International Thermal Systems is unmatched with a full-time R & D Laboratory directed by a US Patent holder with a Ph.D in Thermal Science. Complete heat process tests are conducted in our R & D Laboratory to prove and confirm the process parameters prior to engineering /manufacturing. Proprietary heat transfer computer software and commercial CFD software are used to simulate the heating process with proven accuracy. The benefit to the customer is the confirmation of the exact process parameters prior to the engineering and manufacturing of the equipment.



## Technical Service Department

Our Technical Service Department provides international support for ALL makes/models of thermal processing equipment to keep the heat processing equipment running efficiently.

- Provide international service support for new installation, upgrade or modification to existing equipment.
- On-site engineering energy analysis of existing ovens and furnaces of all makes and models of thermal processing equipment.
- Experts with equipment manufactured by OSI, IHEI, LTG and ITS.

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**We deliver cleaning  
and heat processing  
technology to the  
Metal Packaging Industry.**

Partner with ITS for your cleaning, drying and curing needs. Contact a representative today to arrange for an on-site consultation to learn how we can maximize production efficiencies and minimize energy consumption.

[www.internationalthermalsystems.com](http://www.internationalthermalsystems.com) email: [sales@itsllcusa.com](mailto:sales@itsllcusa.com)

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# We deliver cleaning and heat processing technology to the Metal Packaging Industry.



Can Washer

### The Can Washer cleans and prepares the interior and exterior surface of the can.

The Can Washer will clean the interior and exterior surfaces of the can in the food and beverage canmaking industry.

The roof incorporates removable panels to access the entire interior length of the Can Washer thus reducing maintenance time and cost.

The design of the Spray Risers in the Can Washer feature our patented quarter-turn quick disconnects with full-length guide rails for easy maintenance and operator safety.

An optional Single Point Height Adjustment feature will raise or lower the Hold Down Conveyor, Blow-Off, and Vacuum Transfer System to accommodate various can height requirements.

Recover and re-use precious chemical resources with our exclusive patented Belt Vacuum System.

### The Dry-off Oven removes moisture from the interior and exterior of the can.

In 45 seconds or less, the FD45 Dry Off Oven™ will completely dry the interior and exterior of the can.

The FD45 Dry Off Oven™ features a proprietary supply and return air technology to thoroughly dry aluminum or steel cans while maintaining complete stability for traditional and slim cans.

To further minimize energy consumption costs, our proprietary Sleep Mode is an optional programming feature. Additional information is available in our Sleep Mode Technical Bulletin.



FD:45  
FAST DRY OVEN



7.10™  
PIN OVEN

### The Pin Oven thermally cross link the exterior coating on aluminum or steel beverage cans for base coat or decorating applications.

In 7 seconds at 10 passes, the newly designed air delivery system in the 7.10™ Pin Oven reduces the chain passes from 12 to 10 while maintaining the required time at temperature on the can. Our patent pending air delivery system provides the shortest time to achieve peak metal temperature while eliminating can spoilage.

The 7.10™ Pin Oven's new air delivery design produces product faster and more efficiently than any other on the market today. The cost saving efficiencies gained through the smaller footprint of the 7.10™ Pin Oven starts with improved air delivery transferring energy more efficiently to the can.

The 7.10™ Pin Oven requires less passes which ultimately extends the pin chain life plus reduces centrifugal forces to the can.



Internal Bake Oven

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

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

To promote can stability during the curing process, the Internal Bake Oven applies a proprietary airflow control pattern directed above and below the tin line.

Accommodating the various heights of the cans, we offer a manually adjusted supply duct configuration or an optional Single Point Height Adjustment feature to raise or lower the supply nozzles.

## A Retrofit Kit can reduce energy consumption over 50%\* and increase production output.

For your existing equipment, a Retrofit Kit can provide an economic performance improvement. Whether you want to reduce energy consumption by converting from a metal to synthetic conveyor belt, or achieve efficient can drying with an air supply nozzle exchange, we have the right option to meet your needs.

### Can Washer Retrofit Kit

- Belt and Slide Bed Replacement.
- Stage or Washer Extensions.
- Tank and Housing Repair/Replacements.

### Dry-off Oven Retrofit Kit

- Conveyor conversions from metal to Kevlar.
- Air supply nozzles to achieve efficient can drying.
- Exhaust heat recovery systems.

### Pin Oven Retrofit Kit

- Chain guides.
- Air knife retrofits.
- Complete oven restorations.
- Sprocket and shaft replacement.

### Internal Bake Oven – IBO Retrofit Kit

- Conveyor conversions from metal to synthetic.
- Air supply nozzles to achieve efficient can curing.
- Oven extensions.