

## CONVECTION

Litzler Convection Oven systems utilize heated air to process a variety of products for drying and curing. Convection heating offers consistent, even heating throughout the oven.

Convection heating can be direct or indirect with virtually any fuel from natural gas to coal.

Typical convection applications include heating, drying and curing of water and solvent coatings for textiles, films, paper and fibers.



## RADIO FREQUENCY

Litzler/PSC Radio Frequency or Dielectric heating utilizes Radio Frequencies between 10-100 MHZ to dry or heat product.

RF drying is normally used in products with high loss factors, such as wet materials, vinyl, plastics and adhesives, and other non-electrically conductive products.

RF provides significant advantages of faster drying time, less floor space, uniform drying, instant on-off and targeted drying.



## RADIANT

Litzler Radiant Heating directly heats the product without heating air first.

Many materials absorb heat in the Infrared waveband with useful wavelengths for industrial applications in the 3 to 8 micron ranges. Radiant heating (electric, gas, steam, oil) is often used for drying textiles, ceramics, paint (wood and metal), hardening powder paint and heat treatment of plastics.

Radiant heat is most beneficial in rapid direct heating of a product.



In Service

Throughout

The World

WRL-2000-08



## CONTINUOUS OVEN & DRYING SYSTEMS

**C. A. LITZLER CO., INC.**  
Continuous Process Systems  
4800 W. 160 St.  
Cleveland, Ohio 44135-2689

Phone: 216-267-8020

FAX: 216-267-9856

E-Mail: [sales@calitzler.com](mailto:sales@calitzler.com)

Web Site: [www.calitzler.com](http://www.calitzler.com)

### PSC

Radio Frequency Dryers  
21761 Tungsten Road  
Cleveland, Ohio 44117

Phone: 216-531-3375

FAX: 216-531-6751

E-Mail: [info@pscrheat.com](mailto:info@pscrheat.com)

Web Site: [www.pscrheat.com](http://www.pscrheat.com)

### Quickdraft

Pneumatic Conveying Equipment  
1525 Perry Drive S.W.  
Canton, Ohio 44710-1098

Phone: 330-477-4574

FAX: 330-477-3314

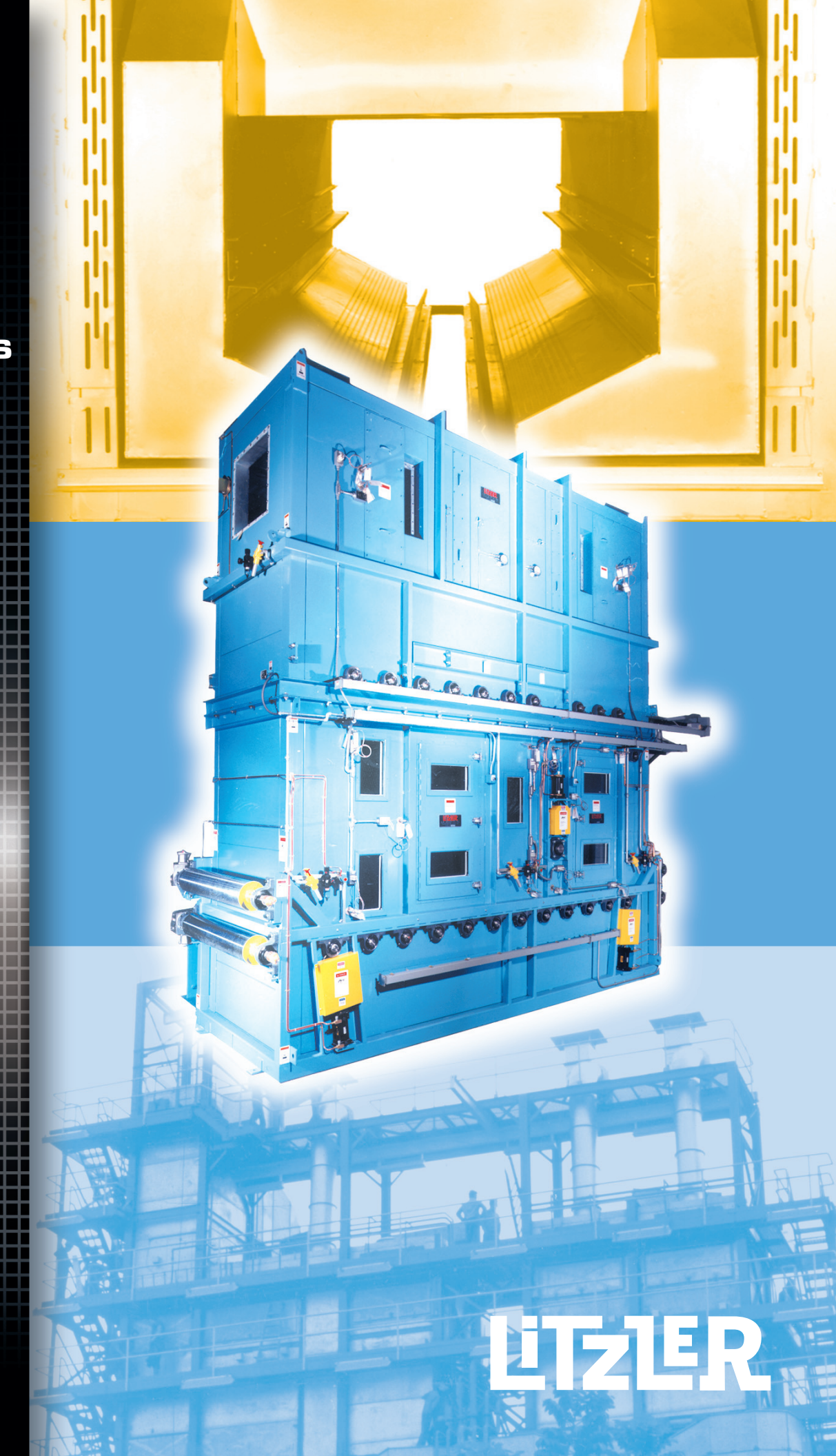
E-Mail: [sales@quickdraft.com](mailto:sales@quickdraft.com)

Web Site: [www.quickdraft.com](http://www.quickdraft.com)

Convection

Radio Frequency

Radiant



# Litzler Continuous Oven & Drying Systems



Litzler is a leader in specially designed Industrial Dryers and Oven Systems. Since 1953, Litzler equipment has been in continuous service for customers around the world. Litzler continually develops its oven and drying technology through internal innovation and acquisition.

Litzler offers the following types of continuous drying and oven systems:

- Convection Impingement Dryers and Ovens
- Flotation Dryers (Perfect Float®)
- Radio Frequency Dryers
- Radiant Dryers/Ovens
- Combination Convection & Radio Frequency Drying
- Patented End-Seal Oven Sealing Systems

How can Litzler assist in improving your processing?

- Ovens/Dryers to 500°C
- Continuous Process Flow
- Heating – Direct or Indirect
- Fuels – Steam, Gas, Electric, Oil
- Vertical or Horizontal Configuration
- Perfect Float® Flotation
- Conveyorized
- Film and Textile Tenter Ovens



Tire Cord Dryer



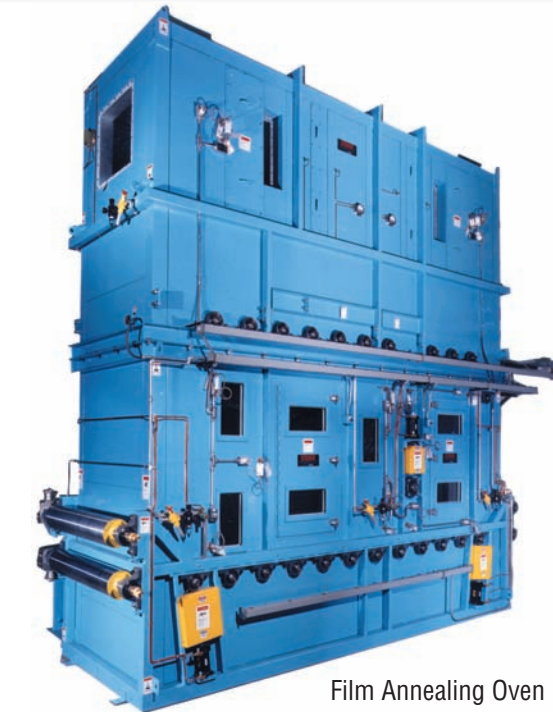
Vertical Impingement Dryer



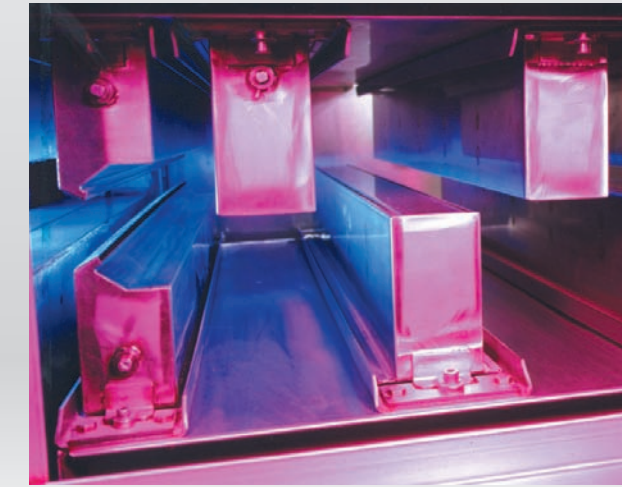
Roll Support Dryer



RF / Convection Oven



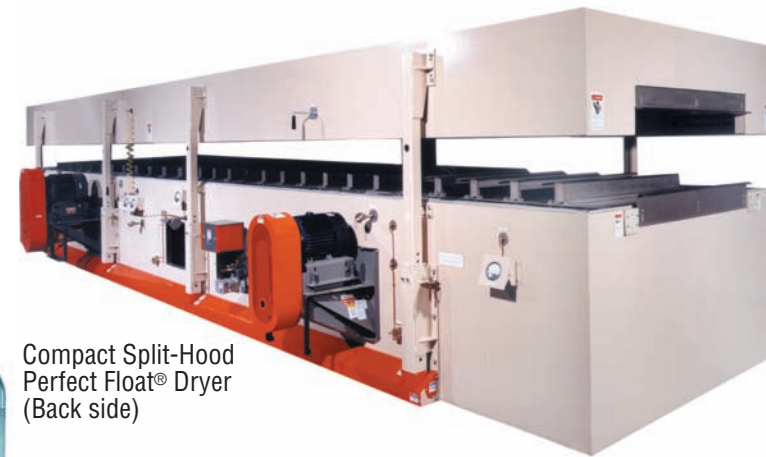
Film Annealing Oven



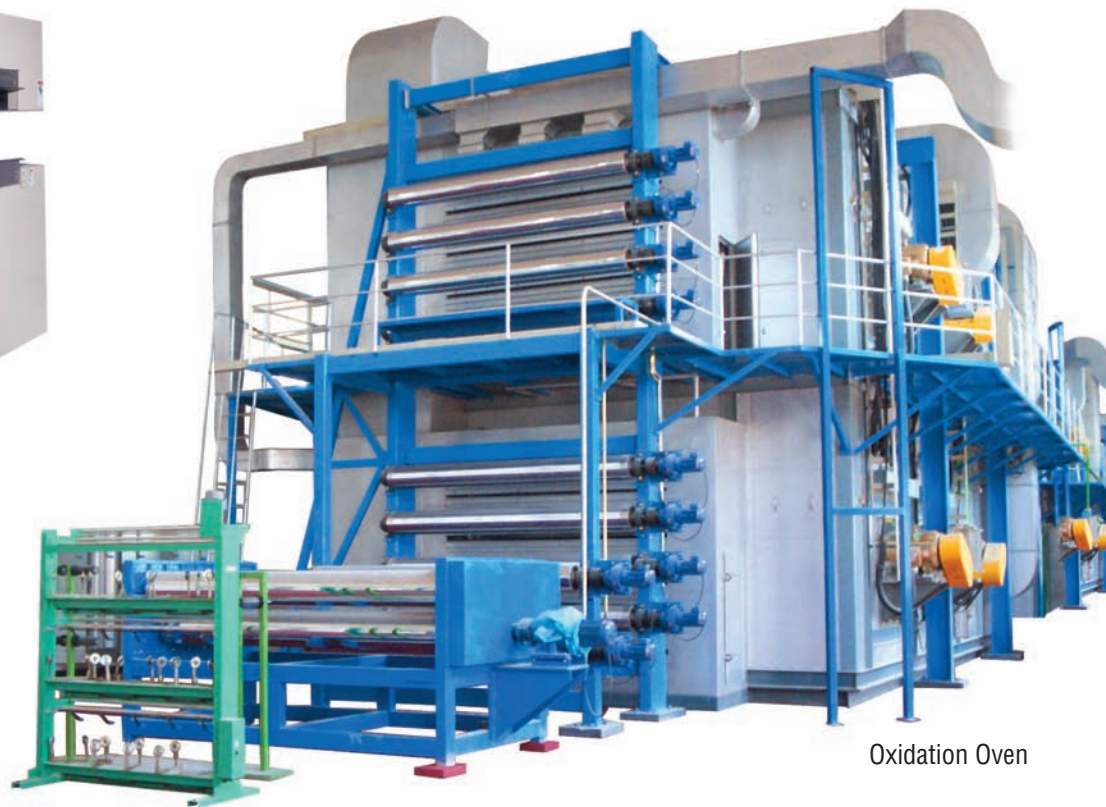
Perfect Float® Interior



Fiber Annealing Oven



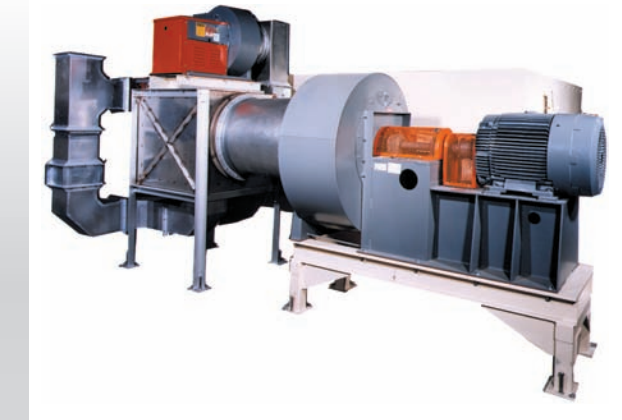
Compact Split-Hood Perfect Float® Dryer (Back side)



Oxidation Oven



Impingement Dryer



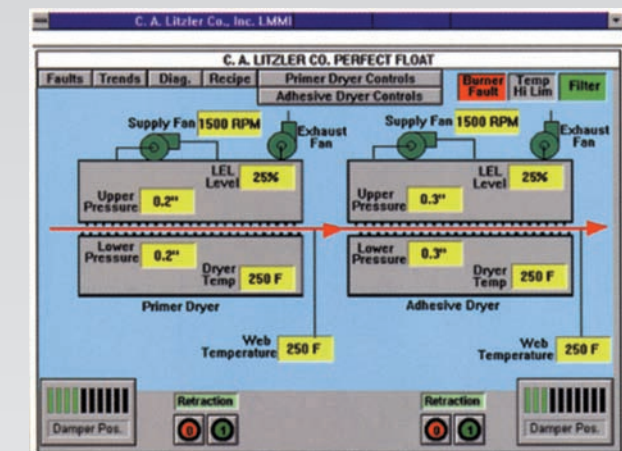
Fan & Heater Module



Tunnel Oven



RF Dryer for Yarn Packages



LHMI Oven Control Screen