

Custom Radio Frequency (RF) Dryers

FOR ECO-FRIENDLY SUSTAINABLE PACKAGING

Radio Frequency and Convection Hot Air Drying Solutions

Sustainable Packaging is a top environmental goal for corporations and our planet. Successfully manufacturing biodegradable packaging materials is a process that requires optimal dryer systems.

PSC Combination RF/Convection Dryers offer unique high-speed solutions for sustainable packaging production:

- Compatible with all natural fiber-based materials
- Uses clean electrical energy for RF and Hot Air
- Capacity to quickly dry large amounts of water with RF/Hot Air
- Uniform drying and web temperatures for thick (dense) materials with RF technology



PSC started manufacturing heating and drying equipment in 1969 and has the engineering depth and experience required to meet your specific requirements. Every customer's process is unique. PSC collaborates on each project to custom design and build drying equipment to meet exact needs and expectations.

Radio Frequency/Convection Dryer

Multiple zone RF/Hot Air dryer for high-speed drying of packaging materials.

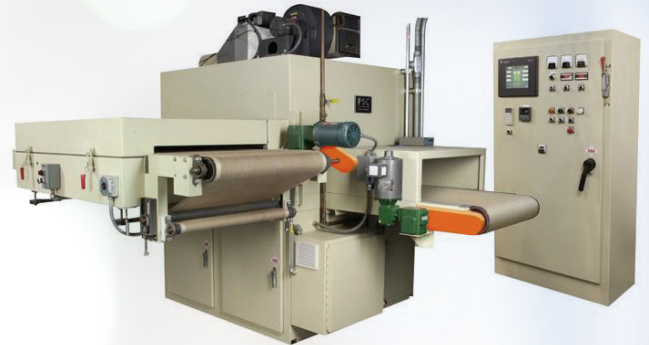
Feasibility Studies

Increased processing speeds and improved product quality are common results from Radio Frequency/Convection and Microwave/Convection heating/drying compared to conventional technologies. PSC engineers are ready to assist you in determining both the technical and economic feasibility of Radio Frequency or Microwave technology for your process.

PSC has a state-of-the-art laboratory to conduct feasibility studies for your process and can test both thin and thick products with three Radio Frequency electrode configurations. We also have Microwave lab systems available. Our systems include the latest control technology and fiber optic and infrared temperature measurement.

As the only company with experience in Radio Frequency, Microwave, Convection, and Infrared technology, we have the ability to evaluate all technologies and recommend the best technology or a combination of technologies. Since Radio Frequency/Convection is unique to PSC, our lab has a combination dryer to evaluate the effectiveness of Radio Frequency and Convection. Pilot machines are also available for short term leasing to conduct larger scale testing in your plant.

Contact a PSC application engineer to discuss your application and arrange a feasibility study and pricing.



40 KW RF Lab Oven



Fiber Mat Dryer

◀ Automation

PSC provides its own in-house Automation Team with years of experience. The Automation Team offers remote monitoring and troubleshooting, along with online technical support.

PSC LABORATORIES are available for testing and feasibility research on new applications and include RF, Microwave, Convection, and Infrared equipment. We can test both web materials and bulk materials in our lab.

