



## **Microwave and Radio Frequency Tempering Systems** FOR BATCH AND CONTINUOUS CONVEYOR OPERATIONS



PSC offers Microwave and Radio Frequency Tempering Systems for beef, pork, poultry, vegetables, dairy and other food products. Our engineers will evaluate your specific needs, review both technologies, and recommend the right solution. All systems are custom designed to meet your tempering requirements. Product testing is available at the PSC lab.

**Radio Frequency (RF) tempering works very well on homogenous products (fish filet blocks, butter, etc.) and has excellent depth penetration. Microwave (MW) has a shorter wavelength than RF and works best for irregular shapes.**

## **ADVANTAGES**

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- **IMPROVED YIELD:** Product gain from 5-10%; No drip loss.
- **HIGHER THROUGHPUT:** Temper in minutes; Products can go immediately to sawing, slicing, grinding, forming, etc.
- **LOWER COST:** Less labor to handle product; Lower inventory.
- **HIGHER PRODUCT QUALITY:** No thawed or cooked edges; Uniform temperature for consistent processing.
- **IMPROVED FOOD SAFETY:** No thawed product; Reduces bacteria growth.

## Batch Systems

- Designed for small volumes or R & D processes
- Quickly temper a variety of products
- Stainless steel construction
- Special assisted door/tray system for load/unload
- PSC MW/RF circuits designed for heavy use and robust operation
- Operator friendly control systems with built-in communications for remote factory support

### TEMPER OR DEFROST IN MINUTES:

- Meat
- Poultry
- Fish
- Vegetables
- Fruit
- Cheese
- Butter
- Others



## Continuous Systems

- Preferred method for high volume production
- Microwave or Radio Frequency depending on the application
- Stainless steel construction
- Heavy duty belt systems
- PSC MW/RF circuits designed for heavy use and robust operation
- Operator friendly control systems with built-in communications for remote factory support

### TEMPER OR DEFROST IN MINUTES:

- Meat
- Poultry
- Pollock
- Salmon
- Cod
- Herring
- Shrimp
- Crab
- Vegetables
- Fruit
- Cheese
- Butter
- Others





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