

Revolutionary drying technology.

Remarkable efficiency.



FOOD



MANUFACTURING



WOOD



AGRICULTURE

Solid state radio frequency power generation is ideal for process heating in situations where speed of drying, product consistency and low operating costs are key competitive advantages. RF heating is more reliable, flexible and energy efficient than other alternatives. And it's more affordable than you think.

An energy efficient alternative for high power heating and drying applications.

Improve product quality while achieving the best possible energy efficiency.

RF heating outperforms the limitations of traditional methods used in process heating, allowing you to heat larger volumes, ensure uniform drying across the entire product and speed up drying time, so you can have a higher quality product that's ready to go to market sooner.

RF heating and drying advantages:

- **Better quality product** with reduced defects and product waste. It's possible to achieve greater consistency of result by directly heating the entire product volume. RF naturally targets only the wet material in the product. The resulting volumetric uniformity ensures product integrity.
- **Greater than 90% energy efficiency.** Traditional methods may be 50% efficient or less.
- **Simple and instant control** of heat, enabling easy modulation.
- **Possible to heat larger volumes** with this technology.
- **Faster drying time** can be achieved in many applications, speeding up production timelines and improving production capacity.
- **Lower operating costs** because of a reduction in maintenance and component replacement while using less electricity than any other heating method.
- **Enables long-term competitive advantages** for manufacturers by moving to electricity.



The APG7-50 solid state RF generator

- 95% efficient
- Operates at 4-8 MHz
- The smallest and lightest 50kW generator ever made

Our engineers will work with you to design a highly efficient solution that easily integrates RF technology into your existing system.



Talk to us about making your production process more efficient with RF heating and drying.

info@aethera.com | 1-855-AETHERA | aethera.com