

Custom Ovens, Heater Fixtures and Controls

Fannon Products, LLC designs, engineers and manufactures custom Infrared systems for a wide variety of industries. Infrared has proven itself as a valuable method of industrial process heating, having distinct advantages over conventional methods. Faster process cycles, improved quality, versatility, and increased process control are among the many reasons Infrared is used.



Fannon custom systems utilize the Goldenrod Infrared emitter as the primary heat source. The Goldenrod's directional capability allows for oven and heater fixture construction to be lightweight, without the need for costly and inefficient secondary reflectors. High watt density applications can be achieved without the need for water cooling the equipment. Our oven and fixture design using the "fuse-clip" mounting connector provides our customers with reliable and low maintenance operation. Infrared heater fixtures can be made virtually any length, width and wattage to meet customer requirements.

Fannon Products provides a complete line of controls for all of our infrared systems. Phase angle fired and zero fired SCR controllers allow for 0-100% output control of infrared emitters. Control systems come with manual or closed loop options which provide accurate temperature sensing of the product and precise control of the emitters.

Applications that are most commonly requested of us are:

AUTOMOTIVE Primer coat Color coat Clear coat Powder coat Seat de-wrinkling Head liner forming	PLASTICS Welding Forming Softening Curing Drying	PRINTING Ink drying Silk Screening Bindings Glue drying	FOOD Baking Browning Dehydrating Pasteurizing
ELECTRONICS Re-flow soldering Water dry-off Silk screening	TEXTILES Web Drying Finishing Pre-shrinking	GLASS-CERAMICS Heating safety glass Drying mirrors Drying frit	FARM Space heating Incubating Brooders



Fannon Products High Efficiency Infrared Lamps

- Fannon Products, LLC manufactures the high efficiency infrared lamps that go into our drying systems.
- Fannon high efficiency lamps are proven to be up to 50% more efficient than a standard infrared lamp. The efficiency gain allows for faster line speeds and reduced electrical consumption.
- The 24K gold reflector on the lamp directs virtually 100% of the infrared emitted from the lamp in one direction — at the paper. By focusing the infrared heat where it is needed, the drying module and surrounding equipment operates cooler.
- The combination of lamp efficiency, focused infrared heat and airflow, cooler equipment temperatures, and the conveyor interlock control, users of Fannon Products, LLC drying systems have eliminated their problems with overheating belts and dangerous paper fires.
- Upgrade your existing dryers with Fannon high efficiency lamps. Replacement lamps are available for any make of drying system. Fannon high efficiency lamps cost less than our competitors' standard infrared lamps.

Replacement Lamps For Web Dryers

- Fannon Products, LLC manufactures replacement lamps for printing press dryers
- Twin tube or single tube lamps with gold reflector
- Medium or short wavelength
- Available in virtually any length, wattage, and voltage
- Typically 50% less than our competitors' prices

