

RF CONVEYORIZED DRYING SYSTEM

Market demand has once again provided the genesis for a new generation of computer controlled **RF ConveyORIZED Drying System**. The **Thermex Model TR120A** can produce sustained power output levels of up to 120kW to a suitable dielectric load in a stable high voltage, high frequency environment. With this system, it is now possible to take your specific dielectric drying need and introduce the environment necessary to provide the desired heat and heating rate all under the watchful eye of a PLC programmed for real time response.

The synergy of hot air convection is provided with the inclusion of continuously adjustable humidified air in order to manage the moisture released during the process. At the same time the efficiency of the drying process is enhanced while protecting product surfaces.



Model Pictured: TR120A

Features:

- PLC controlled
- Solid state power supply
- High efficiency oscillator circuit
- Built in solid state & user programmable overload protection circuits
- Exclusive RF power feed to assure equal voltage distribution and uniform heating.

Common Uses: Drying and curing, moisture leveling, adhesive curing

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SPECIFICATIONS:

RF GENERATOR	
Power Input	480/380 VAC, 50/60 Hz, 3-phase, 240 KVA
Power Output	Maximum 120kW, Continuous Duty
Operating Frequency	27 MHz Nominal
Power Control Range	5kW to 120kW
Controls	115 VAC
DRYER/APPLICATOR	
Active Heating Area	16 feet by 6 feet
Electrode Height Adjust	3 to 12 inches
Belt Width	48 inches
Belt Speed	Adjustable from 0.2 to 1.0 feet per minute
Applicator Length	30 feet (includes attenuation and load)
Applicator Width	6 feet, 6 inches
HOT AIR CONVECTION SYSTEM	
Input Power	480/380 VAC, 50/60 Hz, 70 KVA
Total Circulating Air	5000 CFM
Humidity	Adjustable from 20% to 100%
Environmental Monitors	Pressure Sensor and Thermocouple

APPLICATIONS INCLUDE:

- Ceramics
- Abrasives
- Drying Textiles
- Cookies, crackers and biscuits

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