

THERMEX THERMATRON®

RF BATCH DRYING SYSTEM

Thermex Thermatron's Radio Frequency Drying Systems require all of the inherent design subtleties and complexities of our conventional RF ovens along with several unique to themselves. Our RF Drying Systems use efficient hot air convection which enhances the drying process while protecting product surfaces. The RF Drying Systems are accompanied by a completely self-contained **Thermex** Generator. **Thermex Thermatron's** systems are engineered using the latest in radio frequency technology delivering maximum efficiency and speed at minimal operating costs.



Pictured: 30kW RF Drying System

RF Drying System Features:

- Active heating area of 14" wide x 51" long
- Panel meters include Plate Current Meter, Grid Current Meter, Load Position Meter and Filament Hour Meter
- Even temperature distribution though the load
- Low maintenance, simple operation

Common Uses:

Drying and curing, moisture leveling, post-baking/dehydration, preheating, Testing/heating studies of bulk or granular solids, general drying, adhesive curing

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RF Generator Features:

- Housed in a separate enclosure isolated from the drying system heating section
 - Designed with access panels for ease in servicing
 - A dual safety interlock system is employed
 - Gravity operated, electrically grounded safety switches where high voltage DC is accessible
 - Arc detection and suppression device provides rapid power termination should arcs occur
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RF BATCH DRYING SYSTEM SPECIFICATIONS:

MODEL	TRW30A
Continuous Output Power	30kW
Input Power	480 VAC/60Hz
Frequency	16MHz
Work Area	30" x 30"

APPLICATIONS INCLUDE:

- Ceramics
- Adhesives
- Sand
- Drying textiles
- Preheating of very large thermoset resin parts
- Moisture leveling of wood veneers
- Curing synthetic rubber
- Cookies, crackers and biscuits

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