

RF PULTRUSION PREHEATER MULTI ELECTRODE

Thermex Thermatron's dielectric heating systems are widely acclaimed for their rugged dependability and engineering advantages. The unique characteristics of dielectric heating in achieving uniform, rapid and controlled heating throughout a given mass has never been more successfully exploited than in the preheating of pultrusion resin/reinforcement.

Today's Thermex equipment brings a new standard of precision, economy and automation to the dielectric preheating arena.



Model Pictured: TP12.5S

Features:

- Continuous RF power available when using a suitable RF heatable material
- Three phase high voltage using solid state rectifiers with MOV compensation in a full wave, bridge configuration
- Automatic overload protection with selectable auto-restart
- Four (4) electrode applicator controls the power applied to each load
- SCR Controller allows uniform fine adjustment of power applied to all loads
- Cooled by shop air drawn in through replaceable air filters
- Nominal frequency of 80MHz
- Arc Detection System with automatic reset/restart function and audible alarm
- Indicator lamps display power on, ready RF on and fault
- Includes plate, grid current and DC Kilovolt meters

Common Uses: Preheating of thermosetting resins for pultrusion

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OPTIONAL ACCESSORIES:

- IR Sensors with Digital Meter Display and Over Temperature Alarm

SPECIFICATIONS:

| | |
|-----------------------------------|---------------|
| Model Number | TP12.5S |
| Continuous Power Output | 12.5kW |
| Input Voltage | 480V at 60 Hz |
| Frequency | 80MHz |
| Phases | 3 |
| Input Power KVA | 17 |
| Dimensions of Four (4) Electrodes | 18" x 2" |
| Adjustable Electrode Height | 3" – 6" |
| Cabinet Height | 86" |
| Cabinet Width | 42" |
| Cabinet Depth | 48" |

APPLICATIONS INCLUDE:

- Tool handles
- Sucker rods for petroleum
- Electrical insulators for power distribution
- Composite structural components
- Large Diameter Fiberglass Rods

* Adjustable spacing to accommodate various product sizes and maintain applicator resonance

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