

RF PULTRUSION PREHEATER SINGLE 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.



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
- Tunable resonant cavity applicator to control the power applied to each load
- Cooled by shop air drawn in through replaceable air filters
- Nominal frequency of 75MHz
- 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

Model Pictured: TP12.5A

Common Uses: Preheating of thermosetting plastics for pultrusion

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OPTIONAL ACCESSORIES:

- Laser
- PLC
- Remote start/stop function
- IR temperature sensor and display integrated into the control panel

SPECIFICATIONS:

Model Number	TP12.5A
Continuous Power Output	12.5kW
Input Voltage	480V at 60 Hz
Frequency	75MHz
Phases	3
Input Power KVA	17
Electrode Size*	12" x 12"
Maximum Height	4.00"
Electrode Height	40"
Cabinet Height	80"
Cabinet Width	36"
Cabinet Depth	36"
Weight	3,500 lbs

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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