



HIG 1.4

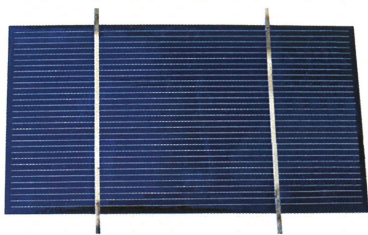
1 kW Induction Heating Power Supply

The compact HIG 1.4 power supply is designed to meet the demands of low power applications not attainable with traditional induction heating systems. The HIG 1.4 offers incredibly high resolution of power (better than 1%) throughout the entire range of the power supply - even at the systems lowest power settings. High accuracy at low power has been demonstrated in high tech applications requiring full control of energy into the load. The HIG 1.4 power supply features Viper II smart controls and monitoring which enable this high frequency generator to drive both induction coils and resistive loads. The Viper II smart controls monitor the output signal in real-time and adjust power supply parameters in response to dynamic load characteristics; load changes that may be introduced to the system by material property changes, movement or coil degradation.

Features and Benefits

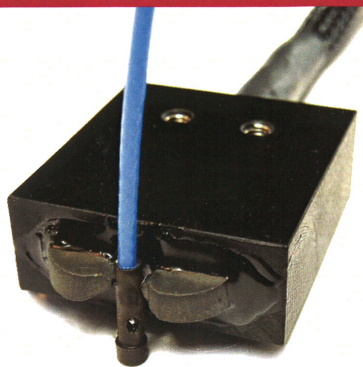
- Air-Cooled Power Supply
- Air-Cooled Induction Coil
- RS-232 Communication
- Digital Inputs & Outputs
- Ideal for Automated Processes
- Compact Design
- K-Type T/C Input
- Easy Integration into OEM Products
- Internal Temperature Controller
- Internal Timer for Process Control
- 24 - Hour Technical Support

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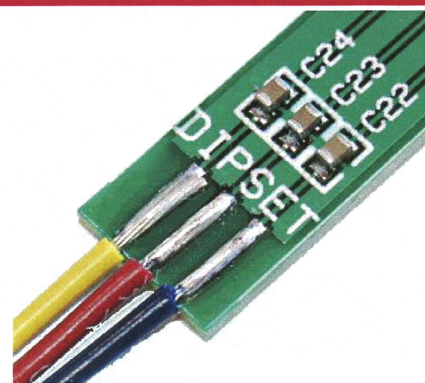
Stringing - Tabbing

The precision power control of the HIG 1.4 makes it ideal for critical power operations with narrow process windows. Combined with a customized coil the HIG 1.4 will provide a complete solution for stringing, tabbing and bussing applications in automated processes.



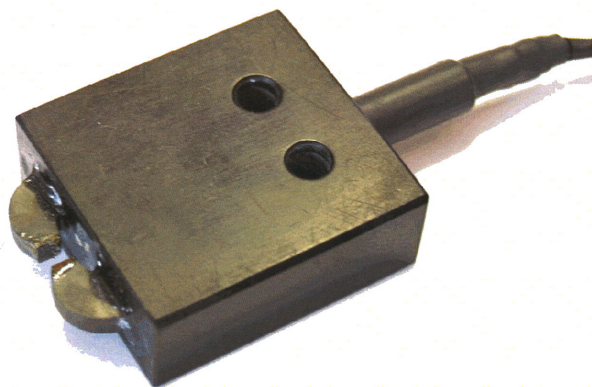
Coax Soldering

The cylindrical geometry of coaxial connectors poses a process challenge for resistive soldering irons that introduce a thermal point source. Paired with a Transverse flux coil SMA/SMB connectors have a typical process time of <5 seconds.



Component to PCB

Induction soldering has become the preferred method for components with a high thermal load. Applications include wire to PCB, coax connectors to PCB, and Kovar based RF connectors.



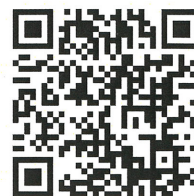
TRANSVERSE FLUX COIL

The Transverse Flux Coil is a proprietary iTherm design utilizing the most recent development in high saturation flux concentrations to provide a precision coil designed for induction heating and soldering of cylindrical and high thermal load components. This coil is used primarily for wire to coaxial connector soldering, RF connector to PCB soldering and strain relief to PCB soldering. Other applications include heat staking, Getter firing and continuous strip heating for the tinning of stamped components.

iTherm Corporate Headquarters



iTherm is a vertically integrated company focused on quality and continuous product improvement – all products are designed, manufactured and tested in our state-of-the-art, 175,000 sq. ft. facility in South Burlington, Vermont. Our customer-focused business provides the highest quality equipment and unparalleled after-sale service including 24-hour technical support to our global customer base.



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