

How EASYHEAT Supports My Nanoparticle Heating Research

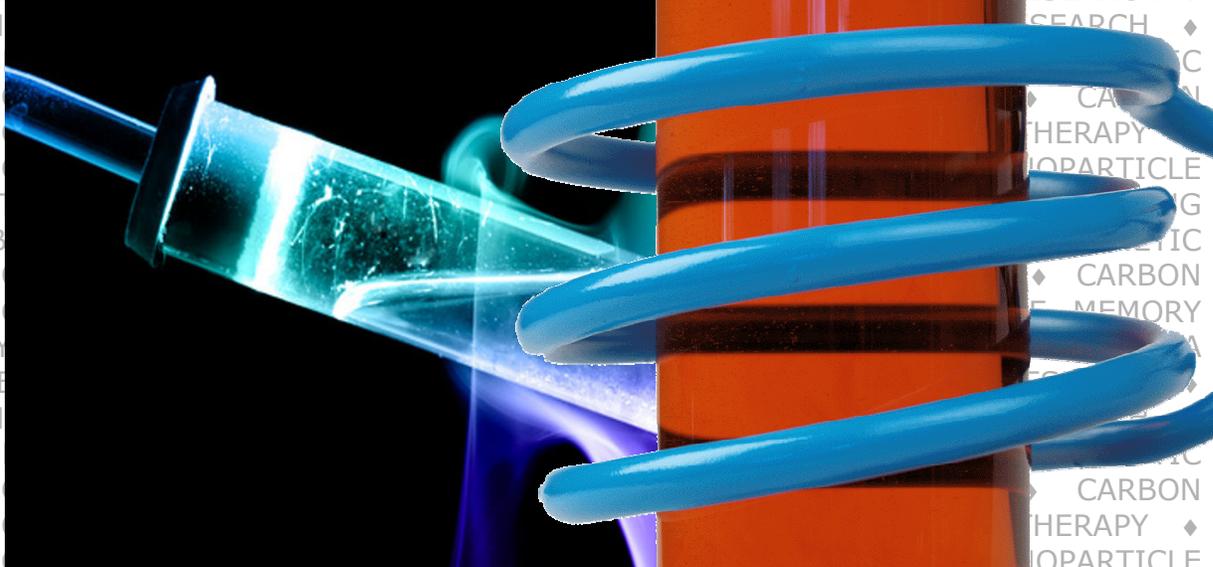
NANOPARTICLE RESEARCH ♦ HYPERTHERMIA RESEARCH ♦ NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ COMPOSITE MATERIALS HEATING ♦ BONDING ♦ ADHESIVES RESEARCH ♦ ADHESIVES CURING ♦ MAGNETIC NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE RESEARCH ♦ CARBON NANOTUBE SYNTHESIS ♦ CARBON NANOTUBE RESEARCH ♦ SHAPE MEMORY

POLYMER ♦ THERMOTHERAPY ♦ NANOPARTICLE RESEARCH ♦ NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦ NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE RESEARCH ♦ CARBON NANOTUBE SYNTHESIS ♦ CARBON NANOTUBE RESEARCH ♦ SHAPE MEMORY POLYMER ♦ THERMOTHERAPY ♦ NANOPARTICLE RESEARCH ♦ NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦



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ADHESIVES CURING ♦ MAGNETIC NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦ NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE RESEARCH ♦ CARBON NANOTUBE SYNTHESIS ♦ CARBON NANOTUBE RESEARCH ♦ SHAPE MEMORY POLYMER ♦ THERMOTHERAPY ♦ NANOPARTICLE RESEARCH ♦ NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦



HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦ ADHESIVES RESEARCH ♦ ADHESIVES CURING ♦ MAGNETIC NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE RESEARCH ♦ CARBON NANOTUBE SYNTHESIS ♦ CARBON NANOTUBE RESEARCH ♦ SHAPE MEMORY POLYMER ♦ THERMOTHERAPY ♦ NANOPARTICLE RESEARCH ♦ NANOPARTICLE HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ BONDING ♦

<http://nano.ambrell.com>

Solutions for Nanoparticle & Hyperthermia Research

Magnetic nanoparticles are heated with induction to selectively heat tumor cells

- ✓ **Non-contact Selective Heating**
Induction heating only elevates the temperature of the material or tissue with embedded magnetic nanoparticles
- ✓ **Repeatable Process**
Sophisticated electronic controls and feedback ensure reliable temperature control
- ✓ **Portable Systems**
Convenient table-top design for portable systems; suitable for clean medical environments
- ✓ **Interchangeable field coils**
3 specially-designed coils answer all your frequency and target-heating requirements
- ✓ **Fiber-optic sensor**
RF-immune temperature transducer provides temperature indication and closed-loop control of your process
- ✓ **Proven Technology**
Ambrell systems are cited for these applications in numerous papers and journals



Our induction solutions include:

- EASYHEAT power supply; 1kW to 10kW, frequency 150kHz to 400kHz
- 3-coil kit; specially-designed for hyperthermia research: 1", 2.5" and 4" inside diameters
- Fiber-optic temperature sensor with optional controller
- Serial data-link cable to your PC
- 'Starter kit' including plastic and glass vials, insulating paper

