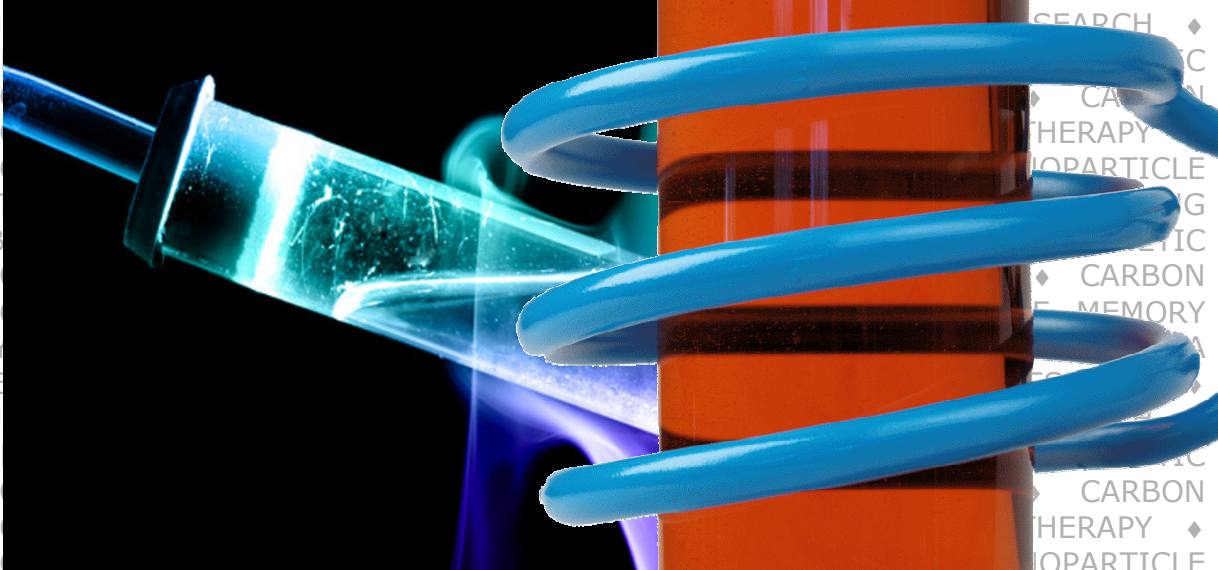




## Precision Induction Heating

# How EASYHEAT Supports My Nanoparticle Heating Research

NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE HEATING ♦ CARBON NANOTUBE SYNTHESIS ♦ CARBON NANOTUBE MEMORY POLYMER ♦ THERMOTHERAPY ♦ NANOPARTICLE THERMOTHERMIA RESEARCH ♦ NANOPARTICLE HEATING ♦ CARBON NANOTUBE RESEARCH ♦



<http://nano.ambrell.com>

HEATING ♦ COMPOSITE MATERIALS RESEARCH ♦ S HEATING  
♦ BONDING ♦ ADHESIVES RESEARCH ♦ ADHESIVES CURING ♦ MAGNETIC  
NANOPARTICLE HEATING ♦ MAGNETIC NANOPARTICLE RESEARCH ♦ CARBON

### 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

