



Magnetic Stereotaxis System

Collaborating Institution: Stereotaxis, Inc.

Objective

To resolve problems with acoustic and electrical noise related to inverter switching in the magnetic stereotaxis system (MSS) using ORNL-developed inverter technology.

Technology Importance

- Resolution of problems with existing MSS technology including
- Control of rate of increase and decrease of SCC current
- Energy savings, heat reduction
- Increase of components' life expectancy
- Reduction of audible noise
- Reduction of voltage spikes preventing false SCC energy dumping
- Prevention of SCC voltage oscillation while changing voltage
- Reduction of SCC energy dumping time

Technology Uses

- Neurosurgery applications
- Catheter-based drug applications used in neurodegenerative diseases



Robert Young, Sr. (left) and Cliff White display the components of ORNL's Stereotaxis system.



Laura Marlino standing next to packaging for the Stereotaxis system.

Points of Contact:

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