

MEMSTIM LLC

One pulse over the horizon

Company Profile

MEMStim is an early stage startup dedicated to enhancing the full lives of individuals with Parkinson's tremors, chronic pain, or hearing loss. Through microfabrication, we enable low cost high performance neurostimulators. Employees of MEMStim enjoy an environment in which their singular contributions have a great impact on the success of the startup and medical innovation at large.

Seeking – Microfabrication Engineer

Position Description

The Microfabrication Engineer is responsible for key aspects of the design, fabrication, reliability test and assembly of critical components of the microfabricated neurostimulator system. In your new role you will:

- Design microsystem components and test-devices
- Produce masks and tooling to implement component designs
- Microfabricate system components and verify functionality in a cleanroom setting
- Test the reliability of prototypes and manage the transition into production
- Design tooling for device assembly processes
- Perform failure analysis of nonconforming components or assemblies.
- Develop and use working knowledge of hybrid microcircuit assembly processes including soldering, wire bonding, micro welding, epoxy attach and cleaning techniques.
- Design & assemble testing stations for reliability tests of processes and products
- Create automated assembly and test programs with associated documentation
- Stress and strain analysis of mechanical components and assembly

Required Experience

Education	Masters or PhD in: Biomedical/Electrical/ Chemical/Mechanical Engineering, Material Science, Physics or related field.
R&D	Microfabrication; microsystem assembly, microfluidics, advanced failure analysis (electrical, mechanical or electrochemical); data acquisition and embedded controls; soft polymer MEMS; flexible electronics
Skills	Wire bonding; injection molding; micro welding; thin-film deposition and etching; CAD software; electroplating; Instron testing systems; National Instruments Data Acquisition Systems

MEMStim LLC is an equal opportunity employer

HOW TO APPLY

Applicants should send a resume or CV and cover letter outlining how they meet the specific requirements of the position to info@memstim.com.

Please note, the selected candidate will be required to submit to any special requirements e.g., criminal records check.