



Job N032: MEMS Process Engineer

Newomics Inc., a venture-backed and NIH-funded biotechnology startup company in the San Francisco Bay Area, develops and commercializes enabling platforms and solutions for precision medicine. Newomics has unique infrastructure and resources to make major contributions to personalized healthcare. For more information, visit www.newomics.com.

Newomics has an immediate opening for a full-time Process Engineer position. The Process Engineer will take a leading role in frontend chip fabrication and participate in the new product development. Outstanding candidates will be considered at the Senior Engineer level. Newomics will provide a comprehensive compensation package including salary, equity, and benefits such as PTO, medical/dental/vision and 401(k) plan etc.

Responsibilities

- Perform MEMS fabrication processes in the cleanroom to manufacture Newomics microfluidic products
- Optimize MEMS fabrication using design of experiments (DOEs) and statistical methods to improve process parameters and yields as well as reduce costs
- Document all fabrication records and write SOPs
- Assist and support product QA/QC, packaging, and inventory
- Work with foundries to scale up the production of Newomics products
- Work with the R&D team to support new product development

Qualifications

- MS or PhD degree in Mechanical/Electrical/Chemical Engineering or a related field
- Must have 5+ years of hands-on experience in MEMS or CMOS microfabrication
- Proficiency in MEMS wafer fabrication processes including photolithography, RIE, DRIE, thin film deposition, wet etch, and dicing, as well as testing and inspection tools (e.g., SEM, profilometers)
- Experience in wafer bonding and packaging
- Strong documentation skills to write reports, SOPs, and manuals
- Experience in product development and manufacturing
- Experience in layout design software (e.g., L-Edit) is a plus
- Experience in working in the UC Berkeley Nanofabrication Lab is a strong plus
- Highly motivated, a team player, a quick learner, and a problem solver
- Excellent oral and written communication skills
- Ability to work in a fast-paced startup environment
- Eligibility to work in the United States

To apply

Please send a cover letter, a resume, and contact information for three references, to jobs@newomics.com.