

Senior Process Engineer-Sputtering

If you have an inquisitive mind and an ability to think outside the box, then this may be the position you are looking for! If you seek a wide breadth and great depth of knowledge and experience in various different areas, then read on!

We are seeking a highly-experienced, energetic, and creative individual with a strong theoretical and practical background in metal sputtering. The candidate will join our EFAB Process R&D Group, working to dramatically extend the materials capability of the company's proprietary EFAB microfabrication technology. We offer a fast paced, challenging, stimulating, and fun work environment.

Responsibilities

- Lead the development of a breakthrough 3-D microfabrication capability based on the integration of EFAB technology with metal sputtering.
- Develop, characterize, optimize, and qualify a thick-film alloy sputtering process, taking ownership of the process to achieve the required performance (composition, deposition rate, stress, etc.).
- Specify and procure semi-custom sputtering equipment and materials; implement sputtering capability for prototyping and volume production.
- Analyze and present experimental data and conclusions.

Requirements

- Bachelor of Science degree in Materials Science, Physics, Electrical Engineering, or Mechanical Engineering.
- Solid theoretical and practical understanding of metal sputtering processes, with hands-on experience.
- 5+ years of industry experience related to sputtering processes preferred.
- Ability to quickly analyze problems and develop effective and creative solutions.
- Familiarity with metallurgy is a major plus.
- Hands-on experience with high-vacuum systems and gas flow systems.
- Familiarity with design of experiments methodology and statistics.
- Experience with designing, performing, and analyzing experiments.
- Familiarity with thin film and materials analysis techniques such as EDS, Auger, and XRD and with testing methods for mechanical properties.
- Good verbal and written communications skills; good team player.
- Good computer skills.
- Strong problem solving skills.
- Close attention to detail.

- Self-motivated.
- Ability to work in a cleanroom environment as required.

Relocation package available.

Benefits

We recognize people as our most valuable asset. Our competitive salary and benefits package includes 401K, a stock option plan, dental insurance, medical insurance, reimbursement for health club costs, wellness programs, paid company holidays, and paid vacations.

* Employment contingent upon successful completion of background investigation. Smoke-free workplace. Drug-free work environment.

How to be considered

Please email your resume as a Word or PDF document to hr@microfabrica.com with "Sr. Process Engineer-Sputtering" as the subject. Candidates must be US Citizen or permanent resident and authorized to work in the USA.

NO PHONE CALLS OR WALK-INS PLEASE! No recruiters or agencies without a previously signed contract. No faxes please.

Microfabrica Inc. is an equal opportunity employer.