

# Oxford Instruments

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Location: Santa Barbara, CA

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## MEMS Engineer

Asylum Research, an Oxford Instruments Company, is seeking a skilled MEMS Engineer to design, manufacture, and test AFM probes. As part of our small but rapidly expanding probe business, you will have the opportunity to collaborate with internal and external colleagues on manufacturing AFM probes and samples using MEMS processes from the ground up.

### The Role

- Develop and manufacture standard AFM probes and test-samples in a cleanroom environment.
- Test the fabricated probes and samples in an AFM system to evaluate their performance.
- Collaborate with in-house technical experts to design and develop AFM probes for advanced applications.
- Create travelers for fabrication processes as well as testing protocol and documentation.
- Communicate regularly with internal colleagues on probe inventory to ensure accurate fabrication scheduling and timely fulfillment of all customer orders.
- Work closely with vendors, foundries and customers in order to develop positive professional relationships and resolve any issues related to the probe business and production.

### The Candidate

*Successful candidates must have:*

- Bachelor's degree in an engineering/science field, or equivalent practical experience
- Previous experience working effectively in a cleanroom environment
- Experience working with AFM and knowledge of AFM technology, particularly AFM probes
- Experience in MEMS fabrication and processing technologies (wet etching, RIE, DRIE, and lithography)
- Familiarity with reliability and yield improvement techniques
- Proficiency in Microsoft Office Suite and excellent presentation skills
- Ability to excel in a detail oriented and deadline-driven team environment
- Excellent communication and interpersonal skills
- Willingness to travel (20-30%)

Asylum is a part of a successful and rapidly expanding global company, Oxford Instruments plc, a leading provider of high technology tools and systems for industry and academic research. We provide a competitive salary and benefits program including medical, dental, vision and 401k. To apply for this outstanding opportunity, please send your resume and cover letter along with salary expectations in a single PDF to [Erin.McClanahan@oxinst.com](mailto:Erin.McClanahan@oxinst.com).

Asylum Research, an Oxford Instruments Company is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, national origin, disability or protected veteran status. EOE/M/F/D/V

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