Process Engineer
Levels 3-4

At Lam Research, we create equipment that allows chipmakers to build device features more than 1,000 times smaller than a grain of sand. These features have a substantial impact, and virtually every leading-edge chip inside the electronic products you use every day has been made using our equipment.

Creating today’s chips requires the utmost precision on a scale so small, it’s hard to comprehend. And that’s where we shine, thanks to our team of brilliant individuals. We believe how we do things is just as important as what we do—but the most important piece of all is who helps us do it. No matter your area of expertise—from product engineering to manufacturing and supply chain management, to customer support—you’ll play a key role in proving what’s never been done before.

Are you up for the challenge? Let’s get to work.

Job Responsibilities

- Responsible for performing professional process engineering research, development, and evaluation in support of the company’s complex semiconductor capital equipment and systems.
- Reviews processing techniques and methods applied in the manufacture, fabrication and evaluation of products. Involvement may begin at any step from pilot plant to full-scale manufacturing.
- May conceive and plan projects involving definition and selection of new concepts and approaches in the processing or development of new processes.
- Compiles and evaluates test data to determine appropriate limits and variables for process specifications.
- Supports customer technology managers in the planning, data collection, analysis, and reporting of customer demos to defend existing process applications.
- Works with suppliers to make sure required parts and supplies are available.
- Act as a resource for colleagues with less experience; may lead small projects with manageable risks and resource requirements.
- Professionally represents the company to the customer. Work closely with customer to understand customer issues and demands.

Minimum Qualifications

- Familiarity with working in a chemical laboratory and clean environment.
- Experience in surface preparation and analytical techniques.
- Interest in advanced technology and an on-going desire to learn.
- In-dept understanding and working knowledge of Statistical Process Control (SPC) and/or Design of Experiments (DOE).
- Material characterizations, vacuum, thin film deposition technique
- Strong organizational skills and demonstrated ability to manage multiple tasks simultaneously and ability to react to shifting priorities to meet business needs and deadlines.
- Excellent people skills with demonstrated ability to work effectively and efficiently with diverse teams, customers, internal and external partners.
- Collaboration/ Matrix environment mindset.
Preferred Qualifications

- Ph.D. with 1+ years of relevant work; or
- M.S. with 3+ years of relevant work experience; or
- B.S. with 5+ years of relevant work experience

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Our work is everywhere you look – even if you can’t actually see it. Lam Research goes deeper than software or chips to the heart of the process that enables chip creation. So if you want to help power the components that empower everything, join us.

All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, sexual orientation, gender identity, national origin, protected veteran status, or on the basis of disability.