Job Opening ID: 118317  
Location: Milpitas, CA  
Job Title: Optical Metrology Engineer  

Company Overview

Calling the adventurers ready to join a company that's pushing the limits of nanotechnology to keep the digital revolution rolling. At KLA-Tencor, we're making technology advancements that are bigger—and tinier—than the world has ever seen.

Who are we? We research, develop, and manufacture the world's most advanced inspection and measurement equipment for the semiconductor and nanoelectronics industries. We enable the digital age by pushing the boundaries of technology, creating tools capable of finding defects smaller than a wavelength of visible light. We create smarter processes so that technology leaders can manufacture high-performance chips—the kind in that phone in your pocket, the tablet on your desk and nearly every electronic device you own—faster and better. We're passionate about creating solutions that drive progress and help people do what wouldn't be possible without us. The future is calling. Will you answer?

Business Unit

The Film and Scatterometry Technology (FaST) Division provides industry leading metrology solutions for worldwide semiconductor IC manufacturers. The FaST Division portfolio of metrology products includes hardware and software solutions for optical film thickness, optical critical dimension (CD), composition, and resistivity measurement systems. These products are essential for the IC manufacturers as they provide critical metrology capabilities for the development and implementation of their advanced IC processes. The FaST division is committed to support our customers to achieve performance entitlement of our solution and we effectively partner with our customers from their early research and development phase to the high volume in-line manufacturing implementation specific for their process needs. The division consists of a global team located in US, Israel, China, and India.

Job Description

- The candidate will be responsible for the design of optical metrology systems, optical alignment equipment and related alignment methodology for the newest generation of metrology tools.
- The candidate will be involved in all phases of optics development including first order analysis, concept and detailed design, manufacturing and supply chain management support.

Qualifications/Education Desired

KLA-Tencor is an Equal Opportunity Employer. Applicants will be considered for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristics protected by applicable law.
Experience in designing and implementing various optical systems with applications in metrology or inspection.
Experienceed user of Zemax, Code V, matlab, alignment interferometers, auto-collimators, spectrometers, other lab equipment.
Experience in working closely with opto-mechanical engineers and optical suppliers.

Minimum Qualifications

- Doctorate (Academic) OR
- Bachelor’s Level Degree with at least 3 years of experience. OR
- Master's Level Degree with at least 2 years of experience.

KLA-Tencor Benefits

KLA-Tencor offers excellent benefits to our talented employees who are the driving force behind our technology. We offer medical, dental, and vision care for our employees and their families; life, travel and disability insurance; profit sharing (for those eligible) and stock purchase; 401(k) and/or Roth 401(k) contributions; paid holidays and personal time off; an employee assistance program, tuition reimbursement and award-winning training and development programs.

Through its philanthropic Foundation, KLA-Tencor will match employee contributions to qualifying charitable, cultural and civic programs that benefit the community. It is the Foundation’s mission to positively give back to the communities in which employees live, work and do business through employee matching, corporate grant making and in-kind donations.

As a recognized Healthiest Employer Honoree (Silicon Valley Business Journal), we’re passionate about health and well-being. KLA-Tencor offers a variety of programs such as health risk assessments, health and wellness seminars, on-site sand volleyball and a fully equipped world-class gym facility at our Milpitas, California campus and gym reimbursement for all other U.S. locations.