



Sr. Systems Engineer

PDF is seeking an experienced Senior Systems Engineer to join the R&D team, who is responsible for working on PDF's new e-probe platform. The Senior Systems Engineer is an organized and highly motivated team player with strong initiative and communication skills and possesses the drive to deliver quality results on time in a dynamic, multi-discipline, intensive and highly productive small team environment.

The position is located in San Jose, California and relocation is not offered.

What You'll Do:

- Characterize electron beam performance, electronic noise, and magnetic field interference on a complex electron beam semiconductor platform
- Hands-on troubleshooting electron beam related issues from system to component level
- Design, characterize, optimize, and suggest improvements to optical systems
- Develop algorithms for the control and monitoring of optical and electron beam subsystems
- Troubleshoot system level software and electromechanically issues
- Interface with a cross functional engineering team
- Write software specifications
- Lead complex electromechanical engineering projects
- Other projects and duties as assigned

What You'll Need:

- BS – at least 7 years relevant experience, or MS – at least 5 years relevant experience, or PhD – at least 2 years relevant experience
- Degree in Applied Physics, Optics, Electrical Engineering, Mechanical Engineering, or equivalent
- Experience with electron beam systems, vacuum systems, and semiconductor capital equipment
- Knowledgeable in solid modeling
- Hands on experience with Labview programming preferred
- Proven ability to develop characterization applications and hardware, analysis results, and present results clearly and succinctly
- Strong understanding of electron beam systems
- Proven ability to successfully write and verbally communicate a specification of a complex electro-optic or electromechanical system or key components of such system

What You'll Get:

- A rewarding career in a highly intelligent and collaborative environment
- Medical, Dental, and Vision Insurance
- 401K
- Life Insurance
- Stock Equity
- 15 Days of PTO