

Position Title: Sr Systems Engineer

Position Location: Milpitas, California

Relocation: Not Available

Travel Req: 25%

PDF Solutions, Inc. (NASDAQ: PDFS) is a leading provider of yield improvement technologies, services, systems and analytics for the IC manufacturing process life cycle. Headquartered in San Jose, Calif., PDF Solutions operates worldwide with additional offices in China, Europe, Japan, Korea and Taiwan.

Position Summary: PDF is seeking an experienced Senior Systems Engineer to join the engineering team for eProbe, the 300mm eBeam machine for the PDF's DFI (Design For Inspection) System. The 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. Candidates should have strong analytical thinking and a systematic approach to solve a variety of complex problems.

Responsibilities: The Senior Systems Engineer will modify the SW code base of the eProbe machine, design and perform systems experiments on the tool, and analyze the results to improve performance of the eprobe tool. Code modification involves developing algorithms and implementing prototypes for an interdisciplinary field across e-beam optics, UHV vacuum systems, control electronics, mechanics and motions systems. The successful candidate will work together in a highly motivated team and will have to coordinate with software, manufacturing, engineering and outside consultants. Strong skills for analyzing data and presenting results will be required

Qualifications and Skills

- Degree in Electrical Engineering, Physics or related fields
- Experience in machine control programming, Labview preferred
- Experience in data analysis and systems engineering.
- Knowledge base or experience in semiconductor manufacturing
- Knowledge base or experience in semiconductor capital equipment
- Knowledge base or experience with hardware engineering (motion, light optics, e-beam optics, ultra high vacuum, analog power supplies, High Voltage power supplies),
- Software development in Python, C, or C++
- Experience in Data Analysis and visualization packages (JUMP, SPLUS, Spotfire)
- Experience with semiconductor is a big plus.