



PPD Optical Coating Engineer Job Description – 2/6/2018

Perkins Precision Developments (PPD) is a small, growing business looking for motivated persons to help in our coating facility, conveniently located near I25 and Hwy 66. The company culture is positive and team oriented, where every individual is valued and contributes to the success of the whole group.

Job Summary

This full-time position is responsible for the design, analysis, hands-on investigation and solution of complex optical thin film manufacturing processes and equipment.

Essential Job Functions include the following, but are not limited to:

- Participate in the development, design, presentation, documentation, specification and/or selection of equipment and/or processes.
- Responsible for oversight of equipment usage and hands-on work on preventative maintenance, repairs and improvements to coating machinery.
- Provide engineering support to the technicians in their job duties including operating the coating chambers and/or cleaning and loading optics
- Process Development: Develop and implement new procedures for cleaning and coating optics
- Product Development: Lead activities to develop new optical coatings to better meet customer spectral, mechanical and environmental requirements for a wide variety of applications.
- Written and verbal communication with Management, Sales, Production and Customers.

Qualifications:

- Candidates must have strong background in thin film design with experience in designing high performance, reliable, robust coatings that meet requirements in the UV, visible and near-infrared.
- Knowledge of traditional and current optical thin film coating technologies, preferably IBS. Good mechanical aptitude including tooling and fixture design ability. Good analytical and research skills.
- Good communication and presentation skills, written and oral.
- Able to schedule and prioritize multiple project activities.
- Understanding of metrology techniques and equipment.

Experience: Minimum 2 years of experience in a similar position preferred

Education: Minimum MS in Optics Engineering, Physics or other related discipline

Perkins Precision Developments must comply with the International Traffic in Arms Regulations (ITAR) issued by the US Dept of State, Directorate of Defense Controls. Because of ITAR, PPD limits employment to US citizens or lawful permanent residents of the United States. PPD is an Equal Opportunity Employer.