



## SR. Thin Film Coating Engineer

**Job Reports To:** Director of Thin Film Coatings

**Department:** Engineering

**About the company:** Salvo Technologies Inc is a vertically integrated manufacturing company in the photonics industry, specializing in optical components and photonic assemblies, multispectral/hyperspectral imaging systems, spectroscopy, and point detection systems. Markets served include aerospace, defense semiconductor, plus many commercial applications. The business operates at a Largo, Florida based campus made up of four facilities. Processes include fabrication, machining, lithography, coating, product assembly and test. The production model is low to high volume, high mix. Operations ITAR and AS9100 Registered.

**Summary:** Salvo Technologies is currently looking to hire a full-time Senior Optical Coating Engineer to support our fast-paced and diverse coating department. Salvo Technologies coating department specializes in a broad range of PVD coatings employing technologies that include magnetron sputtering, ion beam sputtering, IAD and non IAD. Wavelength regions include UV, Visible, SWIR and NIR. Salvo Technologies customers include lithography applications, aerospace contractors, government agencies, medical industries.

### Primary Responsibilities:

- Hands on engineering activities working directly with other coating engineers as well as technicians and maintenance support personnel.
- Interact with senior management and participate in customer communications.
- Review customer optical performance requests and provide manufacturable coating design solutions.
- Design and optimize a wide range of PVD coatings to support both internal and external customers. Follow through from initial development to yield a robust production process.
- Support existing engineering activities and coating PVD processes.

### Requirements:

- Bachelor's degree or higher in engineering.
- Minimum 5 years professional experience as optical coating engineer.
- Broad coating design experience to include beam splitters, bandpass, broadband AR.
- Expertise with coating design software that includes Macleod, TFCalc, FTG Filmstar
- Proficiency in optical thin film deposition, high vacuum technology, optical measurements, thin film monitoring techniques and process controls
- In depth experience with various deposition technologies such as magnetron sputtering, Ion beam sputtering, IAD, EB and resistance sources.
- Expertise in performing spectral measurements on various spectrophotometers as well as ellipsometry measurements.

- In depth overall knowledge and experience with optical processing related to coating including handling, surface preparation, and final qualifications to meet customers' requirements.
- Ability to work in a team environment as well as independently.
- Excellent communication skills both verbal and written.

This job description is not intended to be a complete list of all responsibilities, duties, or skills required for the job and is subject to review and change at any time, with or without notice, in accordance with the needs of Salvo. Since no job description can detail all the duties and responsibilities that may be required from time to time in the performance of a job, duties and responsibilities that may be inherent in a job, reasonably required for its performance, or required due to the changing nature of the job shall also be considered part of the jobholder's responsibility.

**Location:**

- 8060 Bryan Dairy Rd, Largo, FL 33777

To apply please send your resume to [david.peterson@salvotechnologies.com](mailto:david.peterson@salvotechnologies.com)