

Sr. PVD Development Engineer -- II-VI process

Our client is a leader in the development and manufacturing of thin film solar modules used in grid-connected solar power plants. Their high growth and position in the renewable energy industry offers outstanding opportunities to individuals seeking an exciting work environment in one of the most important industries for the 21st century.

Evaluate process improvements in our clients high throughput semiconductor deposition process.

Evaluate innovative deposition and characterization techniques leading to improvements in performance

Designing, execute, and evaluate experiments on a full scale and lab scale test in close interaction with other team members.

Conclude the improved process by driving the qualification of the new process into manufacturing.

Experience:

At Least Five (5) years of industrial experience in the following:

- o Development of physical deposition processes for semiconducting thin-films is required.

- o Experience with II-VI materials is desired.

- o Expertise in material characterization techniques such as XRD, SEM, SIMS, ICP, AFM, XPS are required

- o Optical and electrical characterization of semiconductors layers

- o Electrical characterization of semiconductors devices

- o Experience in device development of homo or hetero-junction semiconductor devices

(Lasers, LEDs, Detectors, Imaging sensors or solar cells) is desired

Demonstrated ability to transition a R&D process into manufacturing

Demonstrated expertise in creating safe work environment

Statistical data analysis and design of experiments is an advantage

Excellent communication skills, proven organizational skills

Education:

Ph.D. in Material Science, Physics or Chemistry or equivalent experience is required.