



Job Number 2023 Thin Film Coating Process Operator

Company Overview:

Xunlight Corporation, a technology spin-off from the University of Toledo, engages in the development, manufacturing, and marketing of photovoltaic (PV) modules that convert sunlight into electricity. The company develops thin-film silicon based photovoltaic products and manufacturing equipment for high-throughput production of flexible and lightweight photovoltaic modules at low cost.

Job Description:

This position reports to Thin Film Coating Process Operator and is responsible for the operation and support of thin film silicon solar cell manufacturing machines to ensure that high quality solar cells are produced. This position works in a shift schedule and in a team-based environment.

Job Responsibilities:

- Operates vacuum-technique-based machines to perform thin film coating.
- Makes process engineering experiments for multiple PV process optimizations under process engineer's instruction.
- Records process conditions and production observations, writes daily summaries.
- Measures thin film samples and devices, prepares graphs and tables summarizing results.
- Able to troubleshoot general mechanical and electrical problems of thin film coating machines.
- Cleans thin film coating reactors, leak checks a thin film coating system.
- Prepares foil substrates for thin film coating with standard cutting and cleaning procedures.
- Performs other duties as required.

Job Status: Full Time

Job Requirements:

- Associate's Degree in Chemistry, Physics, Material Science, Chemical, or Electrical Engineering.
- Knowledge in liquids and gases commonly used in semiconductor processing.
- Must not be allergic to liquids and gases commonly used in semiconductor processing.
- Knowledge in standard operating procedures, protocols and engineering data reports. Knowledge and experience with computers (e.g. Microsoft Office Suite).
- Solid English written and verbal communication skills and ability to work well in a team environment.
- Ability to stand, walk, manipulate (lift, carry and move) weights up to 50 pounds, and climb ladders and perform tasks at high elevations.
- Must wear gloves to handle thin film processing, products, solar cells/modules.
- Knowledge or related work experience with vacuum-technique-based thin film coating is a plus but not required.

For Consideration for this job please put Job Number 2023 in Subject line of E-mail. Please submit resume, cover letter, desired salary and contact information of 3 references by e-mail to the human resource department at hr@xunlight.com

Xunlight Corporation is an Equal Opportunity Employer committed to diversity in its workforce.

