

Thin Film Technician

The Company

Advantech U.S. Inc., an innovative technology company that is a leader in developing and commercializing new, additive manufacturing processes for electronic applications, is seeking a Thin Film Technician. Advantech U.S. is located in Pittsburgh, Pennsylvania near the airport.

What makes Advantech U.S. unique? We take pride in our entrepreneurial culture, and our employees are recognized across the industry for their innovations. We value and reward individuals who are excellent communicators, highly inquisitive, collaborative and self-motivated. Working at Advantech U.S. you will be exposed to high tech processes and companies. Your work within the company will play a role in guiding industry into the new age of additive manufacturing.

Position Description and Desired Skills and Experience

1. Operate vacuum coating systems for deposition of thin film structures. This includes production processes as well as process development and troubleshooting for thin film deposition.
2. Operate and maintain 5-chamber in-line vacuum system.
3. Align and mount shadow masks on frames for use in vacuum coating systems.
4. Operate and perform photolithography process on glass substrates.
5. Support Product and Process Development by helping to establish proper process steps and procedures.
6. Provide Substrate preparation, cleaning of glass and other substrate materials for subsequent deposition in vacuum.
7. Participate in meetings, including project and development meetings and provide feedback on all issues regarding the operation and maintenance of the above systems. Directly interact and communicate with Supervisors and Engineers
8. Provide feedback on all operations and processes to support product and process improvement.

Requirements

- Minimum Associates Degree or equivalent experiments in a technical field
- This is a hands-on position that requires a detail oriented, team player.
- Experience in operating complex process systems, including PC and PLC based control systems.
- Basic computer knowledge a must.
- Working knowledge of a variety of thin film processes and best practices for running recipes/equipment including a thorough understanding of deposition techniques such as sputtering, e-beam and thermal evaporation is a plus.
- Working knowledge of discrete electronic components such as thin film transistors, capacitors and resistors.
- MS Office proficient; Data Acquisition (such as LabView) capabilities a plus
- Strong oral and written communication skills.
- Ability to tolerate complexity and ambiguity well
- Green card or American citizenship.

Contact: recruit@advantechus.com

Thank you for your interest in our opening. Please be advised that we will only contact candidates we want to speak with for further consideration.