

## **Thin Film Test Engineer** **Competitive Wages**

- Wages are based off competencies and experience

## **Benefits and Awards**

- Medical, Vision, Dental, Life, and Disability Insurance
- Paid Time Off
- 401K Match
- Flexible Spending Plan
- On site Gym and Running Trail
- Employee Engagement and Sustainability Programs

## **Why choose the Lesker Company?**

With the help of our amazing team, Kurt J Lesker Company (KJLC) has been enabling the aerospace, semiconductor, medical, and optical industries for decades. We do this by offering all our team members opportunities for growth and development within our company. KJLC does this by providing expert training that fosters success. Additionally, KJLC offers competitive wages and great benefits. If you enjoy working in a dynamic, growing industry then Kurt J Lesker Company is a great fit for you.

## **Job Summary**

The Thin Film Test Engineer will perform quality checks and performance qualifications of the electrical and mechanical assemblies while working from engineering schematics or work instructions of an often-complex nature. They will carry out testing and quality control of thin film deposition and vacuum systems and its sub-assemblies in order to confirm that it meets quality standards and customer specifications. This person will also be responsible for providing recommendations related to design improvements and developing design improvements based on results of equipment testing. Typical travel is 20%.

## **Key Job Responsibilities:**

- Testing mechanical and electro-mechanical systems to ensure compliance with internal quality standards, performance expectations and specifications, as well as compliance with contractual requirements.
- Ability to troubleshoot mechanical and electrical assemblies using KJLC procedures, software (sometimes custom) and schematics to verify functional operation of all equipment
- Thorough understanding of vacuum technology and thin film deposition techniques, components and processes, including electron beam, thermal evaporation and sputtering deposition.
- Understanding of the precautions and limitations required for the proper and safe use of high powered equipment, hazardous gases (such as O<sub>2</sub>) and some hazardous deposition materials (such as organics used for OLED and photovoltaic processes).
- Professional customer interaction including verification of proper installation and on-site training of equipment end users, technicians, engineers and professors
- Develop technical content for customer user manuals, internal procedures and training documents
- Understanding of KJLC and vendor software navigation, structure and PC/PLC operation.

- Using independent discretion and judgment to create and modify standard and custom process recipes via KJLC software that meet KJLC and other applicable safety requirements.
- Independent determination of the development and use of safety interlocks and component limitations to ensure proper and safe operation of the system and its operators.
- Ability to perform helium leak detection and perform basic analysis via a Residual Gas Analyzer (RGA).
- Responsible for giving final recommendation to the Production Manager that the system has met all system requirements and is able to be delivered to the customer.
- Responsible to achieve final acceptance of equipment at the customers facility.
- Internal interdepartmental collaboration on a regular basis including with the Sales, Engineering and Research & Development (R&D) departments
- Ability to safely use portable power equipment, computer controlled thin film measurement equipment and quality control tools
- Perform work in a logical, orderly and skillful manner while maintaining a high level of quality workmanship
- Control and verification of test and process data, performance limits and system reports
- Leadership for mentoring, training and coaching of other Test Engineers and technicians.

**Qualifications:**

**Required**

- 3-5 related experience
- Experience utilizing standard quality control tools and equipment, including software
- Proficient in Microsoft Office applications
- Ability to lift up to 30 pounds
- Ability to travel domestically and internationally; ability to drive and/or fly to customer locations
- Associates or Bachelors' degree in a related field and/or equivalent experience in a related field

**Preferred**

- 10 + years related experience or relevant course work with a Bachelor degree, including leadership, project management or supervisor experience
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Kurt J. Lesker Company is an Equal Opportunity Employer/Vets/Disability

Submit resumes and/or inquiries to [hr@lesker.com](mailto:hr@lesker.com).