



Please submit your resume, cover letter, and a signed [OLEDWorks Application Agreement](#) for consideration of employment.

Position Title: Technician, OLED Production

Department: Fab/Production

Division: Operations

Reports To: Manager, Fab

FLSA Status: Non-Exempt

About Us:

OLEDWorks' mission is to empower our inspired customers through pioneering development and manufacture of the world's best and most affordable OLED lighting devices.

Creating world-class, cost-effective solutions requires an entirely new approach that breaks from traditional OLED manufacturing paradigms. With production in Aachen, Germany and in Rochester, New York, OLEDWorks boasts two innovative and complementary manufacturing platforms that deliver affordable OLED solid state lighting panels. OLEDWorks is uniquely positioned to offer volume production while expanding product portfolio to enhance design inspiration.

With a focus on performance excellence, flexibility and responsiveness, OLEDWorks enables our customers to adapt quickly to market demands. OLEDWorks is singularly positioned to deliver OLED lighting engines to our integration partners – the creative collaborators in the luminaire, design, architecture and adjacent markets.

Our team is comprised of global OLED pioneers and manufacturing experts. As key inventors, innovators, and implementers for the processes and equipment that manufactured the world's first active matrix OLED display and the highest brightness light panel, OLEDWorks has significant OLED production experience and unique insight into manufacturing strategies specifically tailored to lighting.

Job Summary: The OLED Production Technician will be responsible for the preparation and execution of research experiments and OLED production. He/she will perform various tasks to set up, operate, monitor, troubleshoot and perform periodic and preventive maintenance on assigned coater machines. The OLED Production Technician will also be responsible for inspecting parts and products to specifications and making adjustments or changes as necessary to maintain quality.

Essential Functions:

- Prepares and executes experiments and production of OLEDs.

- Moves glass within a dry box or glove box environment into carriers or frames. Loads glass into coater machines via the use of equipment software.
- Cleans substrates in a clean room environment.
- Weighs, prepares, and loads organic materials into coater machine according to specifications for experiment.
- Initiates and ensures adequate vacuum levels for ideal coating environment.
- Reviews and interprets coating sheet recipe/specifications provided by formulation engineers.
- Operates coater machine to conduct entire coating process.
- Monitors coating process for a variety of factors via a computer screen. Includes monitoring for consistency, looking for irregularities or fluctuations, reviewing rates at which materials and thickness are being put down, etc. Quality is essential to ensure all work and raw materials are not lost.
- Troubleshoots process on coater machines as problems arise.
- Records statistical process control.
- Records results where accessible for review by the team.
- Performs preventative maintenance (PMs). This includes daily maintenance of the machines to ensure top functionality, fixing or adjusting the machines, and getting assistance from other technicians or engineers as needed. Also includes cleaning floors, wiping down machines, replacing parts, etc.
- Performs periodic maintenance. Shuts down the machines on a regular schedule, and fully cleans and ensures top functionality through verification steps.
- Records and documents key parameters, maintenance completed, issues and fixes daily on a control chart.
- Wears PPE gear as required according to various procedures and safety requirements.
- Trains Co-op students or interns.
- Writes procedures for the machines and equipment. Updates as necessary.
- Assists with encapsulation and EEL process.
- Works on various special projects as assigned by the Fab Manager.
- Other duties as assigned. Responsibilities and duties may change at any time due to the needs of the organization with or without notice.

Education & Experience:

High School diploma, in addition to 0-2 years' experience with and/or strong interest in chemical process and mechanical engineering required. Associate degree from a two-year college or university in applied science and technologies, or related field of study preferred.

Competencies & Skills:

- Understanding of OLED and device making
- Familiarity or experience with thin film deposition

- Possess organic and inorganic materials knowledge
- Skills in mechanical operation in a vacuum environment
- Mechanical and electrical aptitude
- Problem solving/critical thinking skills
- Independent drive for results
- Resourceful
- Detail oriented and quality focused
- Communication proficiency, both written and verbal
- Interpersonal skills and teamwork focused
- Adaptable through periods of change and growth
- Ability to multitask based on prioritization and time sensitivity
- Customer/Client focus
- Working knowledge in Microsoft Office (Word, Outlook, Excel, and PowerPoint)

Physical Demands & Work Environment:

This position operates within both a production and professional office environment. An individual working in this role routinely is required to stand, walk, use hands, reach with hands and arms, bend, and use various machines and tools. Required to wear and use proper PPE gear if applicable. Specific vision abilities are required for parts of the job to include close vision, color vision, peripheral vision, and ability to adjust focus.

The position will also sit at a desk and use office equipment such as a computer, phone, photocopiers/scanners, and other peripherals. This position may require light lifting in order to move boxes of materials and/or supplies up to 25 pounds. Travel is not required.