

PV Ink Development Group: Ink Development Technician (IE_T1)

PURPOSE: The candidate will be operating and maintaining chemical equipment to formulate and characterize inks, using tools such as ion chromatography, viscometer, Schlenk line, centrifuge, etc.

Follow standard operating procedures, apply sound judgment in identifying and tracking ink parameter trends which impact device performance, and implement process modifications as needed.

Responsibilities include:

- Basic chemistry synthesis procedures and characterization
- Powder handling and basic powder characterization
- Dispersion of powders into liquids and dispersion characterization
- Detailed ink parameters and ink inventory tracking in a database as part of a broader QC process
- Chemical inventory management

LEVEL: Technician

REQUIREMENTS:

- A BS degree in a chemistry related technical discipline is desirable, but not required for this position.
- 5 years of relevant technical work experience
- Preference will be given to candidates with industrial experience in one of the following areas: chemistry lab operations, ink formulation, or liquid based semiconductor fabrication processes.
- Basic understanding of industrial chemistry, materials development, and laboratory practices and terminology is required
- Experience with basic chemistry analytical tools, such as distillation unit, ion chromatography, ion-selective electrodes, viscometer, Schlenk line, centrifuge, FTIR spectrometer.
- Experience with hazardous waste management, chemistry lab maintenance and basic lab supply management.
- Experience with glove box operation and maintenance, handling air-sensitive and hygroscopic chemicals is considered a plus
- Basic computer (Word, Excel, etc.) and math skills are required.
- Good communication skills, written and verbal, are required.
- Ability to multi-task and working in a team environment, while maintaining the highest standards of quality.
- Must display positive attitude and ability to quickly react to changing business demands, aggressive deadlines, and demanding hours in a fast paced environment.

RELOCATION: Only local candidates will be considered for this position.