

Company: Innova Dynamics
Title: Senior Process Engineer – Coatings
Location: San Francisco, CA (UCSF Mission Bay Area)

Innova Dynamics is a rapidly-growing, venture capital-backed nanotechnology company serving the display and touch screen industry. The University of Pennsylvania spin-off is based on a far reaching Innlay™ materials platform that can transform the performance of numerous devices by embedding nanoparticles into the surfaces of polymers. Our current focus is on unleashing the full-potential of touch screens by dramatically reducing their manufacturing costs while enabling sensors of any size or shape. Other future markets encompass solar modules, smart windows, medical devices that are inherently bacteria-free, and numerous other enormous, application spaces. We are now actively working with the top companies in touch screens, consumer electronics and the chemical industry to bring our first touch products to market over the next 1-2 years. A team of highly successful, industry veterans leads the company. We are seeking high-performance, committed individuals that want to make a difference while building a great, new technology company.

We are seeking to hire a Senior Engineer with a passion for developing coating and curing/drying processes and equipment in support of research and commercialization of novel high-tech films and coatings. The person in this role will be involved in the development of coating/curing/drying processes, substrate preparation, hands-on coatings on lab scale and roll-to-roll pilot line tools, and will perform characterization of the samples (optical, electrical, mechanical, reliability). Responsibility will also include daily start-up, operation and maintenance of assigned coating processes and auxiliary equipment.

Responsibilities:

We will rely on this individual to perform hands-on research and experimental work including, but not limited to:

- Work hands-on in a process engineering team, developing and evaluating polymer/nanowire-based coatings
- Develop and optimize precision coating, curing and drying processes on both laboratory and pilot scale equipment for flexible and rigid substrates
- Substrate preparation, hands-on coatings on lab scale and roll-to-roll pilot line tools
- Assist in the characterization of thin film samples (optical, electrical and mechanical) and accelerated life testing
- Project management of lab and pilot scale equipment specification and installation at Innova's facility, including facility readiness, tool delivery, installation, start-up and debug
- Set-up and manage of process technology transfer for successful coating/drying/curing of Innova's Innlay™ technology at customer facilities
- Develop systems for monitoring and reporting the repeatability and reliability of coating/curing/drying systems, including in-line test and measurement
- Daily start-up, operation and maintenance of assigned coating processes and auxiliary equipment

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- B.S. or equivalent in a scientific discipline (chemistry, materials science or chemical engineering preferred)
- 10+ years experience in developing and optimizing coating/drying/curing processes and equipment (5+ years with Masters or PhD)
- Ability to use standard QC equipment-rheology, surface tension, concentration, composition, etc.
- Capable of processing inks and polymers into thin films via standard coating techniques such as drawdown, slot die, gravure, etc.

- Capable of collecting statistically valid data and providing insightful analysis
- Must have background in hands-on chemistry, physics and/or nano-materials development work
- Strong mathematical, statistical, data analysis and problem-solving skills required
- Must be a rapid learner, self-motivated and creative problem solver who thrives in a fast-paced, start-up environment
- Excellent organizational and communication skills; able to record data, label samples and record observations meticulously and clearly
- Demonstrated ability to work both independently and as a team member in a multi-disciplinary environment
- Experience with a variety of coating/printing operations is a plus
- Experience with CAD, AutoCAD, SolidWorks or related is a plus

To Apply:

To respond to this opportunity, please go to:

<http://ejob.bz/ATS/jb.do?reqGK=697084>

Please note that Innova's recruiting and application processing is being performed through Insperity; therefore, you will be contacted by an Insperity Recruiting Specialist IF and when you are considered for this position

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