

My client is one of the world's leading nanotechnology-based startup companies, focused on producing revolutionary semiconductor technology. It has been highlighted as a leader in Scientific American, Time Magazine, MIT Technology Review, and many other publications, and has multiple well recognized partner companies in place. It is well-funded by several top-tier venture capital firms with a world-class record of success, and it has a strong revenue stream to support its growth. It has over 50 employees, many of whom are highly regarded as leaders in their field. These positions offer a competitive package including pre-IPO stock options. If a position interests you, or if you have any referrals, please let me know. Please feel free to circulate this email as widely as you wish.

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Thank You,

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### **Coating Engineer (Semiconductors/Nanotechnology)**

**JOB SUMMARY:** Under general supervision, operate and maintain a set of semiconductor processing and metrology equipment to assist scientists/engineers in the processing of silicon wafers in the clean room. Process and Inspect customer eight inch wafers using various process and metrology tools. Operate, maintain and record SOP for company proprietary processes. Meticulous recording of details in electronic logbooks and lab notebooks. Maintain equipment such as spin / spray coaters and related metrology instruments. Work on assignments and projects that are routine as well semi-routine in nature, where high level of judgment is required. Capable of installing new equipment, monitoring operations, trouble-shooting and repairing any equipment problems.

#### **ESSENTIAL DUTIES & RESPONSIBILITIES:**

- . Operate spin coat, spray coat and related metrology equipment

- 0. Setup, operate, and monitor process equipment
- 0. Evaluate and test new equipment
- 0. Perform preventive maintenance, calibration and repair of equipment
- 0. Facilitate operation and maintenance of clean room, ensuring adherence to established standards
- 0. Assist in technical writing of semiconductor processing specifications, within defined parameters
- 0. Perform detailed experimentation
- 0. Ensure adherence to Nantero policies and procedures
- 0. Awareness of safety for self and others
- 0. Perform miscellaneous job-related duties as assigned

**MINIMUM JOB REQUIREMENTS:** The applicant must have over 10 years process and maintenance experience in Microfabrication, or BS degree and over five years experience in Microfabrication. Must be proficient in use of wide range of CMOS process tools, including metrology, deposition and lithography. Experience in semiconductor industry desired. **KNOWLEDGE, SKILLS & ABILITIES REQUIRED:**

- 0. Ability to gather data, compile information and prepare reports
- 0. Knowledge of clean room / laboratory operations and/or procedures
- 0. Ability to understand and follow complex, detailed technical instructions
- 0. Ability to perform equipment installation, upgrade, preventive maintenance and repair according to published guidelines
- 0. Knowledge of microelectronic cleanliness and quality standards
- 0. Skill in collecting, analyzing, verifying and manipulating research data
- 0. Experience/ working knowledge with the following equipment set is highly desired
  - Spin / spray coaters · Silane deposition systems ·
  - Surfscan · 4 point probe electrical testing · Optical microscopy
  - Ability to work with limited supervision

**WORKING CONDITIONS:** Class 10 compliant process equipment operating in a class 100 clean room environment. Wearing clean room garments and personal protective equipment. Will be required to work around the following hazards: high voltage, high temperature heat sources and noise; and to follow the proper safety procedures for self and others. **LOCATION:** Woburn, Massachusetts

