

1052 - ELECTRONIC MATERIALS EQUIPMENT ENGINEER

Responsibility for the technical management of product containers (ampoules/bubblers), their design criteria, preparation methods and applications/performance testing in the intended use in the customer process

ESSENTIAL JOB FUNCTIONS (key accountabilities)

- Coordinate new design ampoules specific to materials and customer processes
- Employ modeling capabilities in the design/development/improvement of ampoules/bubblers
- Undertake reviews of the container fleet
- Participate in design reviews, to provide container related input into overall product offering
- Recommend programs and process improvements to current and future container designs to better meet customer needs, and improve SAFC Hitech costs.
- Assist in developing processes and procedures needed to provide effective control in container preparation and handling
- Coordinate the ampoule / container related process components of new product development within the company's stage gate system
- Develop and maintain close technical relationships with leadership and technologists at key Original Equipment Makers (OEMs) and Semiconductor Device Makers.
- Undertake process audits
- Interact with OEM's on container related development and process effectiveness
- Work with vendors, to ensure capability alignment with SAFC Hitech Business needs
- Provide input to technology roadmap from a container standpoint
- Develop performance evaluation test methods/machines and implementation
- Lead technical review of container quality issues

BASIC QUALIFICATIONS

Education: Undergraduate degree in Chemical Engineering, Materials Science or Mechanical Engineering, or related discipline preferred.

- Fundamental knowledge of semiconductor materials, supply chains, thorough understanding of industry landscape and all aspects of semiconductor manufacturing processes steps
- 5+ years practical experience in the Semiconductor or semiconductor supply industry with a technical background in semiconductor engineering/manufacturing
- Extensive networking in the semiconductor or specialty chemicals industries.
- Experience of managing a function which involves container or cylinder preparation and management.

Skills/Knowledge:

Understanding of CVD and ALD processes

Computational/modelling experience

Leadership skills, Strategic Direction/Vision across functions

Excellent problem solving skills and ability to analyze processes

Good communication skills (Globally)

Technical insight and knowledge with thorough understanding of semiconductor processes, and the role of the container / material to them.

Ability to lead multi-disciplinary task Teams in response to issues, and issue resolution

Knowledge of container related regulations, and their impacts on use

Essential:

Global experience with ability to interface effectively in various international and cultural setting

Ability to communicate at multiple levels and multiple functions internally and externally

Good business acumen, good networking skills.

Ability to handle ambiguity, change and risk

Experience with basic Chemistry and Chemical processes

Working CAD knowledge

Desirable: Second language

Environmental conditions: Travel to Asia, Europe, US, (without restriction) spend time in regions, interface with global customers and work with employees in regions.

Physical requirements: Hearing and vision within normal limits

To apply for this position please email your resume and cover letter (optional) and include position number 1052 in the subject line to: drh@austinprosearch.com.

Thank you,

Doug Harrington, CPC

(512) 795-9059