

## SUMMARY OF THE ROLE & RESPONSIBILITY

- Analysis temperature, pressure, and other parameters for reactor-only processes
- Perform material analysis
- Resistance, values check in Reactor room
- Literature research (paper research..)
- Process and material inspection and data collection

## DETAILS

### OVERVIEW & SCOPE OF ROLE:

- As an assistant research engineer under the guidance of the R&D team leader, will be responsible for assisting in the performance of research, development, testing, evaluation and characterization tasks related to materials manufacturing for semiconductors.
- Foster a culture of collaboration among employees and actively participate in the successful integration into the business unit.
- Work with the site leadership team and line managers to provide a standardized approach to R&D projects and achieve annual strategic goals.
- Most importantly, act with integrity.

### DUTIES & REPONSIBILITIES:

- You will be required to assist in monitoring the materials manufacturing process and analysing reactor process variable data and results to stabilize and optimize the process.
- You will be required to support process/product development tasks in researching processes and materials, evaluating material properties (resistivity, purity, microstructure, etc.), and characterizing and validating materials in order to maintain optimized processes.
- You will need to work closely with internal and external stakeholders involved in your work to understand their requirements and support their technical work.
- You must understand your role within the project and work as a team member to help achieve project goals.
- Must support management direction with the goal of defining, analyzing, resolving, and stabilizing problems for the Reactor process system and associated utilities.
- Must apply expertise to projects to support efforts to improve technology, procedures, products, and the environment.
- Must provide regular progress reports to the R&D team leader.

### Required Education, Experience, & Skills:

- Master's degree in materials or new materials
- Related work experience (under 4) years are preferred
- Proficiency in Microsoft Office (i.e., Word, PowerPoint, Excel).
- Proficient in Material literature search and information retrieval
- Ability to communicate effectively with internal and external stakeholders.

### Preferred Education, Experience, & Skills:

- English: Basic communication and mailing skills.
- Experience utilizing materials analysis equipment such as SEM, XRD, and XPS
- Understanding of ceramic materials
- Experience with growth equipment
- Ability to use 2D/3D CAD programs

\*해당 포지션은 저희 (주)에코써치를 통해서만 지원 가능합니다.

담당: 문지영

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1. 회사 소개: [www.morgankorea.co.kr](http://www.morgankorea.co.kr)

(주)모간 이라는 국내 회사의 지분을 Morgan Advanced Material 이 인수했습니다.

매출액: 약 700억 / 인원: 약 250여 명

Morgan 의 사업부는 다음과 같고 이 중 TEC(Technical Ceramic)에서 근무 예정입니다.

- **TEC: Technical Ceramic**  
세라믹을 이용해 반도체 장비에 들어가는 제품을 생산하는 회사에서도 확장성을 기대하는 사업부 입니다.
- TC: Thermal Ceramics
- SB: Seal & Bearing
- SG: Specialty graphite

2. 채용 직무: XRD research engineer

3. 근무지: 대구 달성군 구지면

자격 요건

- Master's degree in materials or new materials
- 영어 가능
- 석사 신입부터 3~4년 차 경력자(화학 전지 Sic 가능) 까지 지원 가능