Job Title:

Integration Engineer (Device)

About Tower Semiconductor

Looking for a career path in the high tech manufacturing industry? Become part of a team focused on delivering the most exciting semiconductor technology to the world! If you enjoy working with others in a fast pace environment and are looking for an opportunity to grow your career in the high tech industry then Tower Semiconductor is the place to be!

Tower Semiconductor is a global specialty foundry leader! We specialize in manufacturing analog integrated circuits for more than 300 customers worldwide in growing markets such as automotive, medical, industrial, consumer and aerospace and defense, among others.

Job Description

Responsible for developing, improving and sustaining all manufacturing processes; development of new process modules; leading or coordinating projects. Interacts and collaborates with Process Engineering, Equipment Engineering, Operations and R&D groups on inter-departmental and cross-functional projects. Perform circuit level failure analysis, analyze E-test and yield data (Defect density reduction) and provide feedback to engineers and managers to continuously improve the manufacturing process margin.

This job is for you if:

- You are able to lead or coordinate projects to minimize defects, improve process control, reduce rework, study process window for new devices, qualify new tools, evaluate new consumables and develop new processes for better performance and lower cost

- You can analyze E-test data and disposition problem wafers and lots. Write E-test procedures, specifications, documentations
· You are able to utilize advanced analytical tools and techniques and participate in teams to solve wafer fabrication problems

· Can write process capability reports for process engineering and customer review

· Can lead or participate in intra- or inter-departmental efforts to manage process crises: containing damage, investigating and identifying root causes and implementing corrective and preventive action

· Can participate in inter-departmental projects toward technology development and yield enhancement

Job Requirements

· MS or PhD in Electrical Engineering or Physics

· Ability to communicate and present technical concepts and analysis in an effective manner

· Knowledge and experience in one or more of the following areas: Process Integration, Device Physics, Thin Films, Etch, CMP, Photolithography, Diffusion

· Experience with SPC and DOE is preferred

Valerie Rodriguez
Talent Acquisition Leader

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