

Manufacturing Process Engineer-Solar- California

Summary

As a Manufacturing Process Engineer your main focus will be on the Solar Cell Package.

Essential Duties and Responsibilities

- Applies thorough knowledge and understanding of all details of the process such as chip dimensions, metallization, etc. in solving technical problems.
- Executes product development efforts, experiments, and process runs.
- Able to understand device characterization issues and develop device testing plans.
- Performs detailed analyses of solar cells through various inspections and tests, prepares summary reports as appropriate.
- Uses experience and intuition to recommend innovations to improve product analysis, evaluation, and other processes.
- Works with engineering management to develop and initiate standards and methods for assembly, inspection, and testing.

Other Duties

- As Assigned

Education, Competencies and Qualifications

- Bachelor's degree (BSEE, BSET, BS in Applied Science, or equivalent) from a four-year college or university and 7-10 years hands-on related experience with semiconductors.
- Possesses an understanding of various semiconductor package process technologies including die attach, wire bonding, metallization, encapsulation, plating, wafer probing, wafer sawing and die handling
- Proficiency in, Microsoft Word and Excel. Solidworks may be useful
- Ability to operate laboratory equipment including, X-Ray fluorescence analyzers (XRF), oscilloscopes, multimeters, microscopes

Preferences

- MSEE degree, a minimum of two years hands on related experience with discrete semiconductors
- Experience with ISO9001:2000.
- Familiarity with industry trends, such as Directive (RoHS) and Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).
- Basic familiarity with photovoltaic devices