



First Solar Job Description

Job Title: Engineer III – Packaging Development

Reports To: Supervisor – Process Development

Job Status: Exempt

Basic Job Functions:

Develops models, evaluates design criteria, and establishes characterization methods and resulting metrics in support of performance improvement development programs.

Education and Experience:

- Bachelor Degree in an engineering discipline or similar technical discipline, with 8 years of technical work experience as an Engineer or 2 years as a Development Engineer II with First Solar.
- Master Degree in an engineering discipline or similar technical discipline, with 6 years of technical work experience as an Engineer or 2 years as a Development Engineer II with First Solar.
- PhD in an engineering discipline or similar technical discipline, with 3 years of technical work experience as an Engineer or 2 years as a Development Engineer II with First Solar.
- Demonstrated success in a new product development for high-volume manufacturing.
- Preferred experience in design for assembly within a high-volume manufacturing environment.
- Preferred design experience with a variety of metal forming processes, such as aluminum extrusion, metal stamping, and roll-forming.
- Preferred experience with handling and packaging of flat or bent glass products, especially single-use packaging materials.

Required Skills/Competencies:

- Strong communication skills across organizations.
- Clear sense of project ownership with hands-on and can-do attitude.
- Solid modeling and drafting. Autodesk Inventor preferred.

Essential Responsibilities:

- Develop performance requirements for solar module and solar module packaging components
- Design, develop, fabricate and assemble parts and assemblies of solar panels and solar panel packaging.
- Design, execute, and analyze engineering tests and solutions to evaluate non-standard problems.
- Participate in the development and integration efforts to transfer new designs to high volume manufacturing.
- Other duties as assigned.

Reporting Relationships:

- No direct reports.

Travel:

- No regular travel is required outside the First Solar work site.

05/18/2021

US Physical Requirements:

- Will sit, stand or walk short distances for up to 12 hours per day.
- Will climb stairs on an occasional basis.
- Will lift up to 51 pounds on an occasional basis, according to work instruction.
- Will lift up to 37 pounds on a frequent basis
- Will push or pull up to 27 pounds of force on an occasional basis.
- Will push or pull up to 10 pounds of force on a frequent basis.
- Required to use hands to grasp, lift, handle, carry or feel objects repetitively on a frequent basis.
- 20/40 vision in each eye (with or without correction) and the ability to distinguish between red, yellow and green is required.
- May reach above shoulder heights and below the waist on a frequent basis.
- May stoop, kneel, or bend, on an occasional basis.
- Must be able to comply with all safety standards and procedures.
- Ability to wear personal protective equipment is required (including but not limited to; steel toed shoes, cut resistant gloves, jackets, aprons &/or arm guards, safety glasses, hearing protection).
- All associates working on the production floor may be required to wear a respirator at any given time and thus, the ability to wear a respirator is a condition of employment and continued employment (requires little or no facial hair).

Potential candidates will meet the education and experience requirements provided on the above job description and excel in completing the listed responsibilities for this role. All candidates receiving an offer of employment must successfully complete a background check and any other tests that may be required.

Equal Opportunity Employer Statement: First Solar is an Equal Opportunity Employer that values and respects the importance of a diverse and inclusive workforce. It is the policy of the company to recruit, hire, train and promote persons in all job titles without regard to race, color, religion, sex, age, national origin, veteran status, disability, sexual orientation, or gender identity. We recognize that diversity and inclusion is a driving force in the success of our company.