

Careers

Engineering Technician, Solar Roof

Department	Engineering
Location	Fremont, California
Req. ID	49502
Job Type	Full-time

Tesla's Mission is to accelerate the world's transition to sustainable energy.

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Description

The Role

Tesla is looking for an Engineering Technician, Solar Roof who will be responsible for color measurement, prediction and lamination of PVD-based roof tiles.

Responsibilities

- Photometric and radiometric characterization of roof tiles.
- Prediction of appearance based on provided models and measured data.
- Roof tile material preparation, layup and lamination.
- Innovate methods to better match roof tile colors.
- Serve as point of contact for the engineering team on module production floor.
- Interface regularly with operators and shift leads.
- Drive other projects as required or as business needs change.

Requirements

- Associate degree (2 year college) or equivalent experience required. Bachelor degree is preferred.
- Evidence of exceptional ability.
- Basic coding/scripting ability in Python or other language.
- Understanding of optics and experience working with optical components is preferred.
- User level experience in optical metrology like ellipsometer, transmission/reflectance, spectrophotometer.
- Basic knowledge of Illustrator or similar drawing program a plus.
- User level competency in Microsoft Excel & Word.
- High initiative, analytically minded, attentive to detail and resourceful.
- Excellent written and verbal communication skills required.
- Ability to positively and effectively interact with internal and external customers.

- Regular, reliable and predictable performance required.
- Ability to work well with others in a collaborative team environment.

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About Tesla

Tesla is accelerating the world's transition to sustainable transportation and electricity consumption by designing and manufacturing electric vehicles and energy storage systems. Based in California, Tesla employs more than 13,000 people across four continents, and manufactures cars at our factory in Fremont, California. We are currently constructing the Gigafactory—the world's largest lithium ion battery factory—in Sparks, Nevada, and have begun production of Energy battery storage products.

Tesla currently produces two premium EVs—Model S and Model X—engineered from the ground up to be the world's best car and SUV, respectively. Model S received Motor Trend's prestigious 2013 Car of the Year, and achieved the best safety score of any car ever tested by the NHTSA. The recently released Model X includes the first ever falcon wing doors, as well as Tesla's award-winning electric all-wheel drive powertrain. Both vehicles come with free road trip access to more than 400 Tesla Supercharger stations—the world's fastest EV charging technology. Model 3, our third generation EV, is currently under development.

Tesla produces the Powerwall, a residential battery pack, as well as commercial and utility-grade Powerpack storage systems designed to help reduce electricity costs, smooth consumption and create a more resilient electricity grid.

Tesla is committed to hiring and developing top talent from across the world for any given discipline. Our world-class teams operate with a non-conventional product development philosophy of high inter-disciplinary collaboration, flat organizational structure, and technical contribution at all levels. You will be expected to challenge and to be challenged, to create, and to innovate. These jobs are not for everyone; you must have a genuine passion for producing the best vehicles in the world. Without passion, you will find what we're trying to do too difficult.

Tesla is an equal opportunity employer. All aspects of employment including the decision to hire, promote, discipline, or discharge, will be based on merit, competence, performance, and business needs. We do not discriminate on the basis of race, color, religion, marital status, age, national origin, ancestry, physical or mental disability, medical condition, pregnancy, genetic information, gender, sexual orientation, gender identity or expression, veteran status, or any other status protected under federal, state, or local law.