

Position: Lead Mechanical Engineer



ETC Solar B.V. – Lead Mechanical Engineer

We are looking for a Lead Mechanical Engineer

Full Time – Rotterdam (NL)

Start date between: November 1st, 2019 – January 1st, 2020

Required: B.Sc. or M.Sc. in mechanical engineering or related fields.

About the team:

ETC Solar is a spin-off from the world-renowned California Institute of Technology (Caltech) and is developing a revolutionary power boosting and cost saving electrical contact technology for the photovoltaics and glass industry. We are developing world's highest-performing invisible metal contacts for the photovoltaic and optical sensor markets: effectively transparent contacts (ETCs).

What we need:

The R&D team is seeking a highly motivated, hands-on, mechanical engineer who will be tasked with the co-development of scalable, marketable and durable manufacturing equipment based on our patented ETC printing process. The ideal candidate is a versatile self-starter comfortable taking on challenges with minimal supervision. In our dynamic environment, a keen focus and strong work ethic are needed to see projects to timely completion. If you're passionate about solving problems, building something from the ground up, we'd like to hear from you.

The position involves close collaboration and contact with world's largest solar cell manufacturing companies. In addition, we encourage bold and creative thinking to help push the efficiency of solar cells by developing cutting-edge technologies.

What you'll do:

- Create mechanical designs for equipment to enable wafer-scale integration of ETCs with photovoltaic and optical sensor technologies.
- Work with our R&D team to create prototype setups, that enable them to test novel ideas and devices.
- Incorporate feedback regarding performance and reliability from pilot testing into our equipment.
- Help refine our printing process to achieve higher throughput and yield.
- Guide equipment certification.

Skills you'll need:

- 5+ years of experience with designs of (semiconductor) manufacturing equipment.
- Excellent communication and interpersonal skills.
- Experience with Solidworks.
- Highly motivated and entrepreneurial, willing to take charge of your own project.
- Knowledge on automated mask alignment, imprint lithography, or embossing processes are a plus.

What we offer

- Competitive salary + equity compensation depending on experience/skills applicant.
- Work in a team of world-class scientist and engineers.
- R&D collaborations with large solar cell manufacturers and research institutes.
- Be part of a young and energetic team.

Interested? And are you the perfect team member! Let us know and send your motivation letter and resume to Thomas at thomas@etc-solar.com.