

Position: Mechanical Engineer



ETC Solar B.V. – Mechanical Engineer

We are looking for a Mechanical Engineer with to help with the development of our ETC Printing Head

Full Time – Rotterdam (NL)

Start date between January 1st, 2020 – March 1st, 2020

Required: >3 years of relevant experience in the design of high precision manufacturing equipment.

We offer: Competitive salary and equity compensation depending on experience/skills applicant. R&D position in a young, fast-growing company with world-class engineers working on a sustainable product.

Language: The company language is English.

About the team:

ETC Solar is a spin-off from the world-renown California Institute of Technology (Caltech, Los Angeles (CA)) and is developing a revolutionary power boosting and cost saving semiconductor tool for the photovoltaics industry. We are developing world's highest-performing and invisible metal contacts: the effectively transparent contacts (ETCs). We are looking to expand our research and development team and hire mechanical engineer to help leading the development of our ETC printing head.

What we need:

The R&D team is seeking a highly motivated, hands-on, mechanical engineer who will be tasked with leading the development of a modular printing head based on our patented ETC printing process. The ideal candidate is a versatile self-starter comfortable taking on tough technical challenges. 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 a modular printing head design,
- Develop alignment concepts,
- Design and testing of a novel microfluidic manifold,
- Development of repeatable interconnects.

Skills you'll need:

- Creating technical product documentation,
- Create/validate mechanical concepts,
- Make design decisions based on tolerance analysis,
- Proven self-starter: ability to take initiative as well as working in a team,
- Required relevant working experience: >3 years,
- Knowledge on nanoimprint or microfluidics is a plus.

If you're interested please send an email to thomas@etc-solar.com (incl. resume) to inquire more information or schedule a Skype call. We are looking forward to seeing you!