

Position: Microfluidics Engineer



ETC Solar B.V. – Microfluidics Engineer

We are looking for a Microfluidics Engineer to help with the design, development and integration of microfluidic subsystems with our ETC printing tool.

Full Time – Rotterdam (NL)

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

Required: Ph.D. in microfluidics or M.S. with +2 years of relevant experience in the field of microfluidics. Market conform salary + equity compensation depending on experience/skills applicant.

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 and glass 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 an experienced tool builder or mechanical engineer to help leading the development of our ETC Printing Tool.

What we need:

The R&D team is seeking a highly motivated, hands-on, microfluidics engineer who will be tasked with the integration and optimization of microfluidics in 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:

You will be tasked with the development and optimization of the microfluidic systems. To accomplish this you will work closely with our R&D team and industry partners.

- Assist with manufacturing tool development from R&D process to large-scale
- Setup testing and verification case studies
- Partner with R&D, hardware design engineers and vendors to optimize process performance, define tool specifications and implement processes for scale-up.

- Identify opportunities within the process step(s) to improve production yield, efficiency and cost.

Skills you'll need:

- Extensive experience with microfluidic device design
- Design and optimization of manufacturing/processing tools
- Knowledge on project management, polymers processing and nanoparticle inks is a plus.
- Must have highly developed verbal and written communication skills.
- Interpersonal skills to work well with others.

Interested? And are you the perfect team member! Let us know and send an email to Thomas at thomas@etc-solar.com or call: (06)-83793550