



Position: Process Technician

Location: Ann Arbor, MI

Job Description:

Heat2Power is pioneering the world's most efficient solid-state heat engine: the Air-Bridge Thermal Photovoltaic Cell (TPV). Our breakthrough technology converts high-temperature radiation into electricity at efficiencies exceeding 45%, unlocking new opportunities in clean energy and thermal energy storage. We are seeking a motivated and talented TPV Process Technician to join our growing team. In this role, you will help fabricate and scale the next generation of Air-Bridge TPVs to meet increasing customer demand.

The TPV Process Technician will:

- Work primarily in the Lurie Nanofabrication Facility (cleanroom) located at the University of Michigan.
- Collaborate closely with a small, interdisciplinary team on the design, fabrication, and characterization of TPV devices.
- Drive process improvements and innovations that will enable scalable, high-yield manufacturing.

This position offers an exciting opportunity to join a fast-paced startup at the forefront of clean energy innovation, where your work will make a direct impact on the company's growth and on the future of thermal energy storage and conversion.

Requirements:

- B.S. in Electrical Engineering, Physics, Materials Sciences, or equivalent degree
- Thorough understanding of semiconductor and solid-state physics
- Possess extraordinary problem-solving abilities and a demonstrated track record of troubleshooting challenging engineering and scientific projects
- Are adept in statistical data analysis and are capable of clear reporting
- Excellent written and verbal communication skills with a strong attention to detail
- Experience handling delicate research samples/devices (e.g., LEDs, PVs, ICs)
- Flexibility to accept new tasks and go beyond one's comfort zone to pursue the solution to new and unexpected problems
- Dynamic person with a positive attitude and a dream to work with a great team and product

Preferred Skills:

- Experience working in a cleanroom environment, handling 4" wafers, small pieces, and comfortable utilizing tweezers
- Experience with nanofabrication processes and processing tools including lithography, physical vapor deposition, chemical etching, metrology, dicing, etc.



HEAT2POWER

Powering modular clean energy solutions

Heat2Power, Inc.
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- Experience using materials characterization equipment including SEM/TEM, FTIR, XRD, contact/optical profilometry, ellipsometry

Benefits

- Competitive salary, commensurate with experience
- Medical healthcare coverage
- Paid time off (PTO), including vacation, sick leave, and company holidays
- Opportunity to work in a high-growth startup environment with direct impact in clean energy
- Access to state-of-the-art facilities
- Professional growth and mentorship opportunities in semiconductor device fabrication and energy technology
- Ann Arbor (MI) is widely considered one of the best places to live in the U.S. for its high quality of life, strong education system, vibrant cultural scene, and beautiful natural environment

Contact

If you believe you are a strong candidate for this role, please submit your 1-2 page resume to careers@heat2power.us with a subject line title "H2P Process Technician – Last Name"