



Hello there talented Technicians! We are Magneto, a pioneering startup dedicated to advancing the field of sustainable magnetocaloric heating and cooling. Our team currently consists of approximately 10 highly skilled individuals, and we're eagerly searching for a Lab Technician to join our ranks.

About Magneto:

In Magneto, we believe that we don't have to sacrifice our planet for our comfort or vice versa. Current heating and cooling systems are some of the biggest producers of greenhouse gas emissions. Our solution based on state-of-the-art magnetocaloric technology offers an alternative to producers of heat pump appliances for cooling and heating. An alternative with zero greenhouse gas emissions saves their clients around 30% of power consumption and has a lower cost of ownership. Using cutting-edge additive manufacturing technology, we produce 3D-printed magnetocaloric materials, revolutionizing the cooling and heating industry and enabling highly efficient, gas-free and sustainable refrigeration, air conditioning and household heating.

As a spin-off deep tech company from TU Delft and BASF, we connect the latest technology breakthroughs with the most reliable industrial processes, which leads to a game-changing technology targeting the \$19b market of vapor compressors. Together with the EIC Accelerator Project of the European Innovation Council and our venture capital backers, we are sprinting toward our demonstration and Pilot-plan project for supermarkets in the Netherlands in the next two years.

We are in the exciting phase of a fast-growing start-up and are looking for a reliable and curious Lab Technician. The selected candidate will be a core member of the quality control and product development team, work among a group of multidisciplinary (and fun!) colleagues and develop Magneto but also herself/himself. Join Magneto, and we build revolutionary cooling and heating technology together for a sustainable future!

What you'll do:

Create cutting-edge products: You will be at the heart of our production, quality control and maintenance efforts, using your abilities to create high quality products for our magnetocaloric heating and cooling systems.

- **Production:** Transform raw metal powders into our state-of-the-art magnetocaloric products using cutting-edge 3D printing and furnaces. Your hands-on skills will be pivotal in bringing our visions to life.
- **Quality control:** Join forces with our quality control team and use advanced analysis equipment in our lab to determine the crucial magnetic, thermal and mechanical properties to ensure the high quality of our magnetocaloric products.
- **Maintenance:** Diagnose, troubleshoot, plan and perform mechanical and electrical tasks to modify, dismantle, and repair equipment typically found in labs

What you'll bring:

You have passion and curiosity for novel sustainable technologies to help our planet! You are always

eager to learn and grow in your expertise. You are a practically oriented person and like to find simple solutions for complex problems.

- **Hands-On Spirit:** You're not afraid to use advanced devices and you roll up your sleeves and get your hands dirty (sometimes quite literally) to make them work if they cause trouble! You love tinkering, fixing, and making things work.
- **Technician Proficiency:** You possess an undergraduate (HBO) or applied (MBO) degree as a technician. You have practical experience with Diagnosing, troubleshooting, planning and performing mechanical and electrical tasks to modify, dismantle, and repair equipment. Experience in research or the chemical industry is definitely a plus.
- **Keen eye on safety:** Chemical research is not without risks. You ensure that everyone in our lab works safely and does not behave like wild cowboys or cowgirls!
- **Team Collaboration:** Your natural ability to collaborate and communicate effectively makes you a valuable asset to our dynamic team. You get energy from transferring knowledge and working with colleagues. We value diversity of thought and encourage open dialogue. Proficiency in English is a must, Dutch would definitely be appreciated.
- **Curiosity:** You are driven by curiosity and an innate desire to understand and solve problems. You continually seek opportunities for learning and growth.
- **Pragmatism:** Simple solutions to (seemingly) complex problems. If it works, it works, right? Why would I waste my time on writing a vacancy, when ChatGPT can write a draft for me?
- **Adaptability & Flexibility:** Startups can be a bit of a rollercoaster. You need to thrive in an ever-changing, fast-paced environment and be ready to pivot when necessary.

What we offer:

Innovation Hub: Join us in exploring groundbreaking technology that has the potential to reshape our world. Magneto is an innovation playground for engineers like you.

- **Significant Impact:** As a part of our startup, your contributions will be immediately noticeable. Your ideas and efforts will play a critical role in shaping our future, and hopefully even the future of our planet.
- **Personal Growth:** In our small team you'll get responsibilities rather sooner than later, with the chance to grow along with the company.
- **Flexibility:** We prioritize work-life balance and provide a flexible work environment, recognizing that your best work often emerges when you're comfortable and at ease.
- **Conformal Compensation:** We believe your primary motivation should be intrinsic, but you shouldn't have to sacrifice on your groceries.

Interested?

If you are eager to embark on a journey into the captivating realm of magnetocaloric heating and cooling with Magneto, kindly forward your resume and a brief introduction to info@magneto.systems. We eagerly await your application and the opportunity to explore the future of engineering together.

Join us in charting the course toward a more comfortable, sustainable world of heating and cooling!