



is hiring a

## **Jr. Industrial Electromechanical / Electronics Engineer**

### **– Motor Testing & Validation –**

Located 20' from Brussels in the scientific parc of Louvain-la-Neuve, Belgium, Mirmex Motor is an innovative spin-off company from UCLouvain designing and manufacturing [ultra-high-performance SBLDC electric micromotors](#).

Based on 7 years of university-backed research, the proprietary technology from Mirmex dramatically improves the power/torque density of micromotors, leading to higher performance and more compact motors. The company is fully funded by top tier investors and was recently ranked by the European Commission as the 11<sup>th</sup> most promising innovative technological project in Europe out of 1,700 applicants.

In order to scale-up its activities, the company is currently recruiting an electro-mechanical / electronics engineer for various Test Engineering, Lab Management, and seldom Field Applications responsibilities.

By joining our team, you will be part of the development of one of the most cutting-edge and promising mechatronics technologies and you will embark on a fast-growing journey with exciting opportunities.

### **Jr. Electromechanical / Electronics Engineer – Motor Testing & Validation**

Your main responsibility will be to design and perform motor tests according to existing procedures, acquire/analyse engineering lab motor data, validate new testbenches designs, participate to customer projects. This position is reporting to the engineering leadership team.

- **Core skills:**

- Master degree in industrial / civil electromechanical or Electronics engineering or equivalent work experience;
- Preferably at least 2 years of experience in mechatronics, electrical motors, drive systems, and industrial tools in test, development, applications, field, or qualification engineering role.
- Strong knowledge and interest in electromechanics concepts and components (bearings, rotors, motor control electronics, electromagnetism, BLDC motors, pneumatics, fasteners, metrology).
- Solid knowledge on state of the art electrical equipment (Power supplies, Oscilloscopes, LCR meters,...).

- Capable to properly select and validate system's components in order to pass demanding quality test from industrial customers.
  - Strong interest and skills in prototyping: PCB design, 3D printing, basic 3D modelling, building and adjusting of electrical, electronic and mechanical components.
  - Design and assembly of test set ups and electro-mechanical testbenches with zero compromise on quality and scientific integrity.
  - Ability to attend customers meeting with the Sales department and propose validation solutions that meet and exceed the customer needs.
  - EXCELLENT HANDS-ON mechanical & electronics lab skills and experience: soldering, calibration, PCB design, basic programming... not afraid to get their hands dirty, proficient with hand tools.
  - 70% practical engineering – 30% theoretical engineering.
- **Soft skills:**
- STRONG ACHIEVEMENT DRIVEN with proactive management of technical and project risks. As you will be working in a fast-paced startup environment, this position is not suitable for those unable to work independently or requiring constant supervision.
  - Hands-on and structured mentality, willingness to get your hands dirty to experiment and test the solutions you developed.
  - External and internal customer-focused mindset.
  - Creative problem-solver, team-worker and taking initiative.
  - Resilient and capable to be patient to get a full system validated.
  - Strong affinity with industrial and assembly production process.
  - Ability to troubleshoot and diagnose complex technical issues
- Willingness to travel 10% of the time for occasional customer and supplier meetings.
  - This is a permanent full-time position in a fast-growing university spin-off.

You will benefit from a competitive salary, a company car, 26 days of paid holidays, meal vouchers, and a full DKV medical coverage.

**This opportunity is only available to candidates with a valid work permit in EU.**

You must own a valid driving license and be able to travel internationally mainly in Europe and the USA.

**You MUST be reasonably fluent in English, the official work language of the company.**

Mirmex Motor is an equal opportunity employer. Do not apply if you are or work for a staffing agency, we already have our own partners.

Please apply on the company LinkedIn page: <https://www.linkedin.com/company/mirmexmotor/>

Tags: electro-mechanical engineering, electromechanical, électromécanique, mechanical, mécanique, engineering, electromechanical engineer, electrical engineering, electric motor, mechatronics, spin-off, UCLouvain, BLDC motor, medical power tools, actuation system, micromotor, motor control, electronics, motor design, startup.