

Job Title: Mechanical Engineer

Location: London, UK

Salary: £35–50,000 per annum, dependent on experience

### Role Overview

We're an innovative, fast-growing startup with a passion for driving impactful change in our industry. Our team is dedicated, dynamic, and highly collaborative. We are seeking a skilled and innovative Mechanical Engineer to join our dynamic team. The successful candidate will be responsible for the design, development, testing, and building of robotics and custom machinery specifically tailored for the recycling of lithium-ion batteries. This role requires a combination of mechanical engineering expertise, creativity, and a passion for sustainability.

### Qualifications

- Bachelor's or Master's degree in Mechanical Engineering or a related field.
- proven experience in mechanical design, preferably with a focus on robotics and custom machinery.
- Proficiency in CAD software (e.g., SolidWorks, Onshape, CATIA).
- Understanding of materials science and manufacturing processes.
- Experience with prototyping, testing, and validation of mechanical systems.
- Excellent problem-solving skills and attention to detail.
- Ability to work collaboratively in a team environment and manage multiple projects simultaneously.
- Passion for sustainability and a commitment to environmental stewardship
- Ability to work in a rapidly changing environment with a proactive and flexible approach.

### Key Responsibilities

#### Design and Development:

- Design mechanical components and systems for robotics and custom machinery used in lithium-ion battery recycling.
- Develop detailed engineering drawings and specifications using CAD software.
- Collaborate with cross-functional teams to ensure designs meet project requirements and industry standards.

#### Prototyping and Testing:

- Build and test prototypes to validate design concepts and ensure functionality and performance.
- Conduct simulations and analyse test data to refine designs and troubleshoot issues.
- Implement design modifications based on test results and feedback.

#### Manufacturing and Assembly:

- Oversee the manufacturing process, ensuring components and systems are produced to specification.
- Assemble and integrate mechanical systems, robotics, and machinery.
- Work closely with suppliers and manufacturers to source materials and components.

#### Project Management:

- Manage project timelines, budgets, and resources effectively.
- Coordinate with other engineering disciplines (electrical, software, etc.) to ensure seamless integration of systems.
- Prepare technical documentation, including manuals, reports, and progress updates.

#### Innovation and Improvement:

- Stay up to date with advancements in mechanical engineering, robotics, and recycling technologies.
- Identify opportunities for innovation and continuous improvement in recycling processes.

#### Equal Employment Opportunity

Infiniti Recycling is committed to providing equal opportunities in employment and to avoiding unlawful discrimination. We value diversity and are committed to creating an inclusive working environment where everyone is treated with dignity and respect.

We aim to ensure that no job applicant, employee, contractor, or worker is treated less favourably on the basis of a protected characteristic, in line with the Equality Act 2010.

#### Benefits

We offer flexible working options, a pension scheme, and opportunities for personal and professional development.

#### **\*\*Preferred Skills:\*\***

- Experience in the recycling industry or with lithium-ion battery technology.
- Knowledge of automation and control systems.
- Familiarity with programming and simulation software
- Familiarity in small scaled prototyping techniques (e.g. Arduino)

#### **\*\*What We Offer:\*\***

- Competitive salary and benefits package (25 days holiday)
- Opportunities for professional growth and development.
- A collaborative and innovative work environment.
- The chance to make a tangible impact on environmental sustainability.

**\*\*How to Apply:\*\*** Interested candidates should submit their resume, cover letter, and portfolio of relevant work to [careers@infinitirecycling.com](mailto:careers@infinitirecycling.com)

**\*\*Infiniti Recycling Ltd\*\*** is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

Join us in revolutionizing the future of lithium-ion battery recycling!