

Bimotal Engineering Technician Job Description

[Bimotal Application Submission](#)

The Company

Bimotal was founded in 2019 to develop innovative micro-electric powertrains for right-sized personal vehicles. We are a group of Tesla, startup, and bike industry alumni working towards our mission of reducing barriers to car-free mobility. In addition to our direct-to-consumer product, Elevate, an easily retrofittable and removable powertrain that converts disc-brake bicycles into e-bikes, we have also partnered with vehicle OEMs (bikes and other micromobility vehicles) to provide them with high-performance powertrains specifically designed for their needs. Bimotal is positioning itself as a technology company with the aim of making the best microelectric powertrains in the world, and eventually, the best personal-sized electric vehicles. Come join us in building the future of transportation.

The Job

As a Technician at Bimotal, you will gain hands-on experience prototyping, building, testing, assembling world-class hardware for Bimotal's groundbreaking electric powertrains. You'll join and learn from an experienced engineering team focused on exceeding the status quo for small powertrain performance on the way to transforming mobility--through products such as ebike motors all the way to vertically-integrated micromobility transportation systems. Bimotal is a fast-growing startup; be ready to take ownership of projects with real stakes, work independently, and tackle unfamiliar and challenging problems. This position requires attention to detail, problem solving, commitment to process, appreciation of efficiency, and patience.

Responsibilities

- Assemble, modify, service, troubleshoot, and test prototype and production hardware with engineering team's guidance; thoroughly document corresponding work
- Design and create custom tools, fixtures, and processes to improve assembly, testing, and analysis efficiency
- Design, fabricate, and assemble test rigs to test various aspects of our products
- Run and collect data from the product test rigs
- Failure analysis, teardown, re-assembly, and repair of electromechanical systems

Qualifications

- 5+ years engineering technician experience
- Use of hand tools, manual machine tools, soldering, wiring, additive and subtractive tools, and other methods to rapidly prototype and solve problems
- Ability to focus, give attention to detail, with a strong commitment to quality
- Excellent reading, writing, and spoken communication skills



- Ability to efficiently find technical information on manufacturer's websites, forums, and other web searches
- Team player, creative, flexible when requirements change, adaptable and able to solve complex and sometimes poorly defined problems, gives context to bigger picture
- Proficiency in online email, MS Excel/Google Spreadsheets, and MS Word/Google Docs
- Document work and train others to do work that you have done
- Preferred - SMT soldering capability, experience with PCBA rework
- Preferred - CNC, welding, and general advanced fabrication
- Preferred - bike enthusiast with deep understanding of bicycle components and maintenance. Ability to bleed hydraulic brakes, adjust shifters, true wheels, etc.

Logistics

Please fill out a [Bimotal Application Submission](#) to apply for this position. Bimotal includes a health insurance stipend and has flexible PTO as well as regular holidays. Our office is in a beautiful location and is walking distance to many great lunch spots (2 blocks to our favorite burrito spot, Picante), Amtrak, and BART. All employees receive significant equity packages--we want you to have significant ownership in the work that you will be doing here.