

Engineering Test Technician – Job Description

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Position Resides at:

QM Power Inc.
3768 S. Lapeer Rd
Lake Orion, MI 48359

About QM Power Inc.

At QM Power we are hard at work enabling the most efficient, reliable and cost-effective solutions for our customers. Our most important asset is our people. We hire only the very best and brightest for every position in our Company.

Ideal candidates will have a strong track record of setting stretch goals and consistently exceeding them, both as an individual and as part of a team. They will have exceptional organizational skills, a keen intuition obtained through significant experience, the highest integrity, be capable of wearing many hats at the same time and be passionate about doing whatever it takes to deliver results for our customers and stakeholders. In exchange, we will strive to provide a challenging, flexible and fun work environment, competitive compensation packages and an excellent chance to make the world a better place.

If you feel you or someone you know may be a good fit for a listed job posting, please send a cover letter and resume or CV to careers@qmpower.com, with the specific job posting referenced in the E-mail's subject line.

Job Description

This role reports to the Platform Application Engineering Manager and located in Lake Orion, Michigan. As the Engineering Test Technician, you will be supporting laboratory testing activities related to our electric motor and drive technology. In addition, this role will be responsible for the troubleshooting and repair of prototype circuits, wiring harnesses, and other electrical hardware under development. A self-motivated, team player, who can communicate cross functionally and enjoys a fast-paced environment will thrive in this position. Goals for the Engineering Test Technician include:

- Ability to grasp QM Power's technology testing plans and play the crucial role in facilitating and monitoring testing with equipment including dynamometers, power analyzers, oscilloscopes, programmable power supplies, and the instrumentation and calibration of these and other related testing equipment.
- Receive information about planned/future testing efforts and prepare all necessary components, equipment, and infrastructure necessary to conduct these experiments

Key Responsibilities

- Assist in the design, setup, instrumentation and calibration for experimental testing in a laboratory setting.
- Maintain all laboratory equipment in clean and serviceable condition.

- Maintain calibration and repair area along with any spare parts inventory and tools.
- Work closely with Electrical Engineering Team to ensure testing is conducted according to design specifications in a safe environment.
- Assist with troubleshooting, repair, and modifications of prototype PCBA's including the installation and replacement of surface and thru-hole mounted components such as resistors, IC's, diodes, mosfets, capacitors, and similar components used in electronic controls.

Required Skills & Experience

- Minimum Associates' Degree or equivalent certification(s) in electronics, engineering, computer science, or similar field of study.
- Minimum 2 years of experience in testing setups and instrumentation.
- Strong PCBA assembly, troubleshooting and repair skills including soldering, and other techniques.
- Flexibility and adaptability in a dynamic, fast-paced small company work environment.
- Excellent written and verbal communication skills.