

QUALITY TEST ENGINEER

The key requirements of this position is playing a leading role in defining product performance requirements; developing product test methodologies; and executing product testing to ensure that InVue products meet and exceed the use conditions of the field across global retail environments. This position will also be responsible for ongoing product performance monitoring to ensure that performance drifts have not occurred and driving product improvements throughout a product's lifecycle.

This is an active role and not simply a service or support function. This position will have responsibility for product testing and failure analysis for products in development and post production release. This individual will have oversight of the mechanical test lab and in directing the day to day activities of the lab and lab personnel.

RESPONSIBILITIES:

- Assist and provide input to the Project Engineer in the quantitative identification of product performance requirements during initial product definition.
- In cooperation with ME, EE and Product Marketing, develop documented, standardized performance test requirements for InVue products.
- Establish and document standardized test methodologies that meet and exceed field use conditions.
- Execute and document test requests as defined in the Design Qualification Test Plan (DQTP) during the course of new product development for reliability growth testing and qualification test purposes.
- Maintain full traceability of performance test records and NPD samples throughout the product's lifecycle.
- Participate in design reviews and DFMEA to provide input to the development process to ensure that product performance requirements are being met and / or necessary corrections are made to the design to meet those requirements.
- Establish and oversee an anomaly / CAPA database to ensure that all identified product failures have been rectified, both during development and post release.
- Oversee the RA process to ensure the accurate and timely analysis and disposition of defects returned from the field. Summarize and communicate RA findings periodically to identify and drive product improvement opportunities. Initiate engineering changes (ECR's) as necessary.
- Provide ongoing product performance monitoring / testing and reporting of existing products
- In cooperation with Product Marketing and Sustaining Engineering, ensure that appropriate and timely disposition is taken with suspect / defective product and parts in inventory to minimize impact to customers.
- Maintain current calibration of all measurement, inspection and test equipment
- In cooperation with ME, EE and Model Shop, design and build custom test equipment, as required, to verify and validate product performance requirements.
- Manage day-to-day operations and priorities of mechanical test lab
- Other duties as required by management

EDUCATION AND EXPERIENCE:

- BS in Mechanical Engineering
- ASQ certifications (e.g. CQE, CQM, CRE, CSSGB / CSSBB)
- 3-5 years experience in quality engineering
- 3-5 years experience in product qualification testing
- Strong working knowledge of quality improvement tools and methodologies such as GR&R, capability analysis, DFMEA, DOE, etc.
- Highly analytical, data driven
- Excellent problem solving skills
- Detail oriented with strong organization skills
- Strong communication and persuasion skills
- Continuous improvement minded – drive to be the best
- Good understanding of new product development tollgate process.
- Familiar with MRP systems, AS400 ideal
- Thrives in a high paced environment
- Ability to work multiple projects simultaneously
- Exercise good time & project management
- Hands-on