



Job title: Test Technician
Department: Product Development
Reports To: Engineering Manager
FLSA Status: Non-exempt

Summary

Responsible for the product development testing processes as directed by the Engineering Manager and Project Engineers. Tests parts and products for failure modes, document details of tests through various charts, graphs, and reports. Suggests improvements to products. Maintain files of all tests and reports.

Essential Duties and Responsibilities

Upon assignment of the test plan, conduct tests and makes initial evaluation based on product structural requirements, product performance specifications and history of products using data gathered through various test instruments. Attention to detail is a critical factor. Reports formal test findings through written presentations to Engineering Manager and Project Engineers.

Establishes timelines for all activities associated with assigned projects to ensure completion. Confers with appropriate personnel to clarify or resolve problems of test setups and results.

Designs test fixtures, fabricate parts, and setups for specific testing of material or products.

Performs sheet metal fabrication, welding and other duties associated with building test fixtures or alternate parts for quick turnaround.

Utilizes data acquisition software, thermocouple thermometry, Excel spreadsheets, charts, diagrams, schematics and Word documents to organize and prepare various reports on product testing results as well as corrective and preventative actions.

Maintains testing database for easy lookup of products tested and results for current and future.

Maintains complete understanding of test programs for products requiring agency approvals as relates to product standards (ANSI, UL, etc.) with Project Engineer in charge of project.

Prepares status updates and presents to Project Engineer or Product Development Manager as appropriate.

Maintains clean and orderly workspace.

Work safely and within OSHA regulations. Keep a clean environment and organize shop tools and area to properly store tools, equipment, hazardous materials, etc.

Other duties as assigned

Qualifications

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience

Two years college, university, or technical school; two years related experience and/or training; or equivalent combination of education and experience. Computer literate with testing experience and/or engineering experience. Proficient with Microsoft Office suite of products.

Skills and Competencies

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, standards and procedure manuals.

Ability to write routine reports and correspondence.

Ability to calculate pressure/temperature/power/force/mass, as well as basic shop math. Ability to apply concepts of basic algebra and geometry.

Excellent problem-solving skills and have the ability to effectively handle problems involving numerous variables in standardized situations.

Demonstrated ability to work cohesively within a team to achieve common goals.

Diligent communicator; keeping supervisor/manager current on the status of open projects.

While performing the duties of this job, the employee is regularly required to stand; walk; use hands to handle, or feel; reach with hands and arms; and talk or hear. The employee frequently is required to stoop, kneel or crouch. The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds. Always following company lifting guidelines and safety policies.

Dedicated to company and personal core values. Act on those beliefs to earn and maintain respect of customers.

Practice safety and adhere to all company safety policies.

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Qualified candidates should apply for the position by sending his/her resume to HR@masterbuilt.com.