



Job Description

Title: Project/Mechanical Engineer
Department: Operations
Date Created: 28 March 2011

Reports To: Project/Development Engineer
FLSA Status: Exempt
Date Updated: 09 April 2011

Position Summary:

The Project/Mechanical Engineer is responsible for optimizing value in the manufacturing and procurement portions of the value chain.

Job Responsibilities:

- Identify opportunities for improvement in manufacturing optimization and standardization
- Design, prototype, test, and implement manufacturing process improvements
- Develop tests and experiments to validate change requests for product and process
- Utilize DFM / DFA techniques to improve existing products and increase value of new designs
- Ensure safety and comfort of shop floor through continuous improvement of ergonomics
- Identify equipment and materials needed for production and product testing
- In partnership with quality and manufacturing, review non-conformance reports and identify solutions to resolve issues as part of corrective / preventive action process
- Oversee calibration and preventive maintenance of all tools, fixtures, and equipment

Job Requirements:

Education:

B.S. Engineering, preferably Mechanical Engineering

Experience:

5-10 years' experience in both design and manufacturing environments

Knowledge, Skills, Abilities:

- Strong problem solving and analytical skills
- Extensive use of Solidworks or other CAD platforms including PDM
- Lean, 6Sigma, and / or VA/VE training and experience
- Ability to work closely with manufacturing personnel at all levels
- Knowledge of manufacturing processes including assembly, machining, molding, etc.
- Familiarity with ISO 9001, AS9100, or similar quality management standard
- Motivated and self-directed
- Strong computer skills
- Ergonomics and safety experience also a plus

Physical Requirements:

Ability to lift up to 50 pounds occasionally

Ability to travel internationally and domestically as required