



Engineering Technician

COMPANY: Elite Harness, LLC

LOCATION: Wellington, Kansas

TYPE: Full-Time, Non-Exempt

ROLE

The Engineering Technician will be responsible for reviewing customer product drawings and requirements, accurate and timely completion of quotes, and the development of technical drawings for manufacturing. This role will involve cross-functional collaboration with Sales, Manufacturing, and Quality as well as hands-on work in prototype development, testing, and R&D initiatives. This role requires a strong technical background and extreme attention to detail.

ESSENTIAL FUNCTIONS

- Analyze customer requirements for new wire harness/cable quotes, includes interpreting customer drawings, identifying and researching incorrect/incomplete information, reverse designing samples provided by the customer and verifying compliance with any customer specifications.
- Accurately enter relevant quote information into the company ERP system, including component parts, labor estimates, tooling or equipment needs, and any specialized training requirements.
- Utilize the Arcadia CAD software to create detailed harness drawings, ensuring compliance with project specifications. Coordinate design standards with manufacturing to ensure harnesses can be built in the most efficient manner.
- Independently create one-off, low-volume, prototype harnesses, and first-article products, ensuring accuracy and alignment with customer requirements. Includes developing an understanding of the operation, setup, and maintenance of the manufacturing equipment used in wire harness production.
- Design and build testing jigs for harness continuity testing, when required. This includes programming and configuring using CableEye hardware/software for effective testing.
- Operate R&D department testing equipment and assist in writing testing procedures to support product conformance to customer specifications.
- Maintain accurate documentation and records of wire harness designs, modifications, and revisions.
- Stay updated on industry trends, advancements in wire harness technology, and relevant regulations.
- Build a culture where customer service and quality are at the heart of everyday business.
- Ensure a safe and healthy work environment for all staff.

QUALIFICATIONS

EDUCATION/CERTIFICATION: High school diploma or equivalent.

EXPERIENCE REQUIRED: At least 1 year's experience working in a manufacturing environment.

SKILLS/ABILITIES:

- Experience with CAD software. Preferably in dedicated wire harness design software (e.g., Arcadia, Harness Design System, Mentor Graphics Capital, Zuken E3.series).
- Basic understanding of electrical and mechanical principles, including wiring diagrams, schematics, and assembly techniques.
- Familiarity with manufacturing equipment and processes, with the ability to assist in setting up and maintaining machinery as needed.
- Ability to prioritize tasks, manage multiple projects simultaneously, and meet deadlines.
- Willingness to work hands-on with prototype builds, first-article products, and testing equipment.
- Knowledge of relevant industry standards and regulations, such as IPC/WHMA-A-620, MIL-STD-810, and UL standards, is a plus.
- Excellent communication and collaboration skills, with the ability to work effectively in a team environment.
- Capable of identifying and addressing issues in manufacturing capabilities, customer requirements, and equipment processes.
- Ability to function well in a fast-paced and, at times, stressful environment.
- Proficient with Microsoft Office Suite or related software.

PHYSICAL ACTIVITIES AND REQUIREMENTS OF THIS POSITION

TALKING:	Ability to speak effectively and communicate clearly.
AVERAGE HEARING:	Able to hear average conversations.
REPETITIVE MOTION:	The employee is regularly required to type continuously throughout the day.
FINGER DEXTERITY:	The employee is regularly required to use hands to type.
AVERAGE VISION:	Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception and ability to adjust focus.
PHYSICAL STRENGTH:	The employee may occasionally lift and/or move up to 25 pounds. May sit for long periods of time.

WORKING CONDITIONS

Light manufacturing/lab environment with some noise and forklift traffic. Occasional general office environment.

TRAVEL EXPECTATIONS

Minimal is expected.

MENTAL ACTIVITIES AND REQUIREMENTS OF THIS POSITION

REASONING ABILITY:	Ability to deal with a variety of variables under only limited standardization.
MATHEMATICS ABILITY:	Ability to add, subtract, multiply and divide in all units of measure using whole numbers and common fractions.

LANGUAGE ABILITY: Ability to read, analyze, and interpret business documents. Ability to communicate clearly.

INTENT AND FUNCTION OF JOB DESCRIPTIONS

Job descriptions assist organizations in ensuring that the hiring process is fairly administered and that qualified employees are selected. They are also essential to an effective appraisal system and related promotion, transfer, layoff, and termination decisions. Well constructed job descriptions are an integral part of any effective compensation system.

All descriptions have been reviewed to ensure that only essential functions and basic duties have been included. Peripheral tasks, only incidentally related to each position, have been excluded. Requirements, skills, and abilities included have been determined to be the minimal standards required to successfully perform the positions. In no instance, however, should the duties, responsibilities, and requirements delineated be interpreted as all-inclusive. Additional functions and requirements may be assigned by supervisors as deemed appropriate.

In accordance with the Americans with Disabilities Act, it is possible that requirements may be modified to reasonably accommodate disabled individuals. However, no accommodation will be made which may pose serious health or safety risks to the employee or others or which impose undue hardships on the organization.

Job descriptions are not intended as and do not create employment contracts. The organization maintains its status as an at-will employer. Employees can be terminated for any reason not prohibited by law.