

**Position:** Design Engineer

**Reports to:** VP of Engineering

**How to apply:** Send resume/transcript directly to: [veera.rajendran@etsprayers.com](mailto:veera.rajendran@etsprayers.com)

### **Position Description:**

The Engineering group of Equipment Technologies Inc. is seeking a **Design Engineer** to lead efforts that include new designs, improvements to existing designs, prototype development, testing and manufacturing support for our agricultural sprayers.

### **Why Equipment Technologies?**

By 2050 nearly 9 billion people will call our planet home with more than 2 billion people added between now and 2050. To feed the growing population, agriculture will see a significant growth while preserving the natural environment by improved use of land, water and chemicals. Equipment Technologies (ET) Inc. is home of the Apache line of ruggedly simple and dependable self-propelled agricultural sprayers. The sprayers weigh approximately 10 tons and have mechanical, driveline, hydraulic, electronic, control, autosteering, precision spraying and boom height management systems thus providing tremendous opportunities for an engineer to learn and grow. For more information, visit [etsprayers.com](http://etsprayers.com). Founded in 1997 in Indiana, ET has grown significantly and is now part of EXEL industries, a global Agricultural family of companies. ET conducts R&D, Engineering, manufacturing of its sprayers from its own sprawling facilities in Mooresville, Indiana located 20 miles from downtown Indianapolis. The products are marketed in the U.S., Canada, Eastern Europe and Australia using a network of over 40 dealerships.

ET is poised to enter the second wave of innovation that includes increased autonomy and IoT capabilities. You will be part a nimble and collaborative team that is the true embodiment of innovation and an empowering culture. Here we encourage and reward creativity while emphasizing work-life balance to grow your career.

### **Essential Duties and Responsibilities:**

- Create new designs and/or generate design change solutions using advanced CAD/CAM tools to improve value (performance, quality, and cost)
- Perform static and dynamic analysis using advanced finite element & other tools to optimize design.
- Lead engineering design reviews.
- Create project schedules and achieve deliverables within budget and on time.
- Generate models/drawings, Bill of Materials (BOM) and other essential documentation.
- Create validation test plans & contribute to testing efforts.
- Work effectively with purchasing/suppliers and manufacturing/assembly.
- Manage Engineering Change Notice (ECN) and Engineering Change Requests (ECR) processes.

### **Knowledge, Skills, and Abilities:**

- Must be self-motivated and passionate in developing innovative engineering solutions.

- Experience with a major solid modeling/design/analysis suite such as Solid Edge, Pro E or other similar 3D CAD/CAM modeling software
- Experience in Finite Element Analysis (FEA) & dynamic simulation (MATLAB/Simulink) or equivalent software packages a plus.
- Working knowledge of part print interpretation, geometric dimensioning, and tolerance.
- Strong problem-solving skills.
- Strong interpersonal skills to be an effective team player.
- Strong verbal and written communication skills.
- Ability and willingness to travel up to 10%.

**Educational Requirements:**

A Bachelor's Degree in Mechanical Engineering or closely related field.

**Compensation:**

We offer a competitive salary and benefits package.

**General:**

The information contained herein is not intended to be an exhaustive list of all responsibilities and qualifications required of individuals performing the job. The qualifications detailed in this job description are not considered the minimum requirements necessary to perform the job but, rather, as guidelines. Equipment Technologies is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, gender, age, status as a protected veteran, or status as a qualified individual with disability.

**Job**

- Product design/development engineering

**Primary Location**

- United States-Indiana-Mooresville

**Organization**

- Agricultural equipment

**Schedule**

- Full-time

**Shift**

- Day job