

<b>Reports To:</b> Hardware Engineering Manager	<b>FLSA Status:</b> Exempt	<b>Page</b> 1 of 2
<b>Title:</b> Senior Mechanical Engineer	<b>Department:</b> Engineering	<b>Date:</b> January 2021

**Position Summary:**

Under the direction of an assigned lead or manager, works to design new products and improve existing products. Evaluates and manages various activities associated with design and development of BMS products.

**Essential Functions/Major Responsibilities:**

1. Produce designs that meet performance, cost and manufacturability goals.
2. Model new designs utilizing latest release of SolidWorks.
3. Create mechanical detail drawings using SolidWorks and Visio.
4. Generate assembly drawings from detailed parts, sketches, and verbal instruction.
5. Develop and maintain bill of materials (BOMs).
6. Generate and incorporate Engineering Change Orders (ECOs).
7. Interface with machine shops and production personnel to resolve any issues with existing mechanical components and assemblies.
8. Redesign selected BMS products for lower cost and higher reliability in a production environment.
9. Assist in other job duties as required.

**Qualifications:**

- **Education/Training:** Bachelor of Science in Mechanical Engineering, or similar degree.
- **Experience:** Minimum five years relevant experience with a Bachelor's degree. Experience designing complex electronic packaging for both commercial and/or military applications. Experience with RF products preferred.
- **Skills/Technical Requirements:** Knowledge of good engineering practices and the ability to follow existing guidelines and processes. Familiarity with sheet metal, aluminum, steel, stainless steel, machining, gears, and thermal concerns. Proficient with the latest release of SolidWorks and practical experience with documentation. Strong analysis and problem solving skills. Excellent ability to communicate verbally and in writing. Ability to work independently on projects as well as interface with other teams members when needed.

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**Job Conditions:**

Occasionally works in a lab environment with constant or intermittent noise.

**Physical Demands/Strengths:**

Prolonged periods of sitting at the computer terminal. Ability to use a keyboard. Ability to lift up to 20 lbs.

**Protective Devices Required:** In required areas.