

SIL POSITION DESCRIPTION

Position Title: Manufacturing Engineer

Reports to: Principal Engineer

Summary:

Develops, supervises and coordinates assembly processes, production routings and test activities for avionics, electronics and Li-Ion battery flight units for launch vehicle, missiles and satellites.

Responsibilities:

- Prepares production work schedules
- Writes production unit traveler work instructions
- Establishes production routings to be followed during each step of the manufacturing process when transforming components and raw materials into final flight unit products.
- ERP System production planning
- Assigns work and oversees the work product
- Ensures conformance to established procedures and product quality levels
- Identifies units that fail tests or tolerance levels and supervise repairs as necessary
- Work out suggestions for improvements and initiates their implementation
- Develop documentation to meet customer requirements

Required Competencies:

Experience

- 5-15 years of experience in the following areas: Li-Ion Battery, Avionics and Electronics Assembly of flight units with internal power, data, and RF cables.

Technical Skills

- Project/workflow planning
- Production routing and BOM updates
- Statistical process control
- Production processes analysis
- Electrical/Electronics component theory and identification
- Write production floor unit traveler creation
- Production traveler development, review and quality sign-off
- Corrective action requests and non-conformance reports
- Experience with ERP Systems (Microsoft Nav, SAP, etc.)
- Inspection of soldering of PCB components (surface mount and thru hole)
- Electronics assembly of unit power, data, and RF cables for flight units
- Computer (Microsoft Sharepoint, Word, Excel, Power Point, Visio, etc.)
- Familiar with J-STD-001 soldering requirements
- AS9100D quality assurance processes and procedures with management input
- Ability to read electrical schematics and supervise wiring and assembly
- Ability to make electrical measurements in circuits
- ESD and Li-Ion battery safety training

Soft Skills

- Strong interpersonal skills
- Supervise and lead team to reach the next level of excellence
- Ability to write technical documents and procedures

Education

- B.S. in STEM discipline
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Desired Competencies:

Technical Skills

- CAD software (Solid Works, etc.)
- Schematic reading, GD&T symbology
- Release management
- Quality assurance
- ERP Systems

Full time position offers challenge and growth with excellent salary and benefits package including comprehensive [health insurance](#) benefits and 401K (4% match).

Personal Requirements

- Do you have an entrepreneurial spirit and desire to be part of an innovative team that designs and manufactures state-of-the-art avionics, power and small satellites. Put your skills to work and develop innovative products for Space launch vehicles and small satellites.

ITAR Requirements

To conform to U.S. Government space technology export regulations, **applicant must be a U.S. citizen**, lawful permanent resident of the U.S., protected individual as defined by ITAR (22 CFR §120.15) or eligible to obtain the required authorizations from the U.S. Department of State.

SIL is committed to creating a diverse environment and is proud to be an equal opportunity employer. Each individual has the right to work in a professional environment that promotes equal employment opportunity and prohibits discriminatory practices, including harassment. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

The SIL Full time position offers challenge and growth with excellent salary and benefits package including comprehensive health insurance benefits and 401-K

Salary Range based on experience: \$90,000 to 105,000

Resume and Letters of reference to: hr@spaceinformationlabs.com