

**POSITION TITLE:**

Manufacturing Engineer

**LOCATION:**

Brooksville, Florida, USA

**SUMMARY OF POSITION:**

Airdyne Aerospace has an immediate opening for a Manufacturing Engineer to improve our manufacturing process and further the development of our production capabilities.

As the Manufacturing Engineer, you will support Airdyne products and manufacturing. This focuses on evaluating manufacturability improvements of our manufactured components to meet design and performance specifications. This may require development of new manufacturing processes, design and testing of tooling, and planning manufacturing procedures, and recommending inspection methods to ensure conformity.

**DUTIES AND RESPONSIBILITIES:**

- Maintain a current and up-to-date knowledge of developments in aircraft materials and manufacturing processes to recommend innovations to improve the quality, economy, and effectiveness of company products.
- Provide cost justifications to support manufacturing improvements.
- Directs the development and/or improvements of manufacturing processes and equipment using knowledge of product design, fabrication, assembly, tooling, and materials.
- Review and edit manufacturing processes to ensure conformity to engineering type data.
- Supports the purchase and installation of new tools, equipment and processes associated with assigned projects.
- Research, design, modify, and test manufacturing methods and equipment.
- Consulting with equipment vendors as deemed required to fulfill these duties.
- Oversee all aspects of Manufacturing Engineering including establishing metrics, applying industry best practices, and developing new tools and processes to ensure quality goals are met.
- Act as key Engineering point of contact for all aspects of Manufacturing.
- Lead and mentor Manufacturing team members on Engineering practices and procedures.
- Represent Engineering through proactive participation and communication with Manufacturing personnel and organizations (e.g., Management, Production, Supplier and Customers) to provide actions (e.g., hardware and drawing investigations, consultation with other Engineering Personnel), and results (e.g., drawing changes, process improvements).
- Initiate and/or support corrective actions related to production processes and initiatives.
- Reports directly to the CTO for Engineering/Technical Items.
- Reports directly to VP Production for Manufacturing Operations.
- Perform other tasks as directed by CTO.

**REQUIRED QUALIFICATIONS:**

- Engineering Degree with 10 year's experience and supporting references.
- Min 10 years of experience as either a process engineer or a manufacturing engineer in the aerospace industry.
- Experience in Process Improvement: Knowledge of producibility and process improvement methodologies (e.g., root cause analysis, statistical process control (SPC), Hardware Variability Control (HVC), 6-Sigma).
- Experience in shop floor support and fabrication of metallic aerospace mechanical / structural systems including functional testing.
- Proficient in technical report writing and must have excellent communication skills, be fluent in English (spoken and written).
- Proficient in MS Word, MS Excel, MS Teams.
- Proficient in engineering data interpretation and definitions (e.g., drawings, reports, datasets, and specifications) to be able to analyze and resolve production problems.
- Working knowledge of SolidWorks 3D modeling software.

**PREFERRED QUALIFICATIONS:**

- Experience in shop floor support and fabrication aerospace electrical systems including functional testing.
- Experience with welded assemblies.
- Experience interpreting Geometric Dimensioning & Tolerancing in accordance with ASME Y14.5
- Lean six sigma Green Belt.
- Working knowledge of and SolidWorks PDM software.



**ELIGIBILITY OF APPLICANTS:**

Candidates for this position must conform to U.S. Government export regulations, including the International Traffic in Arms Regulations (ITAR). Candidates must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3).

Candidates for this position must have nothing in their background that precludes international travel and/or access to any military installation.

**JOB TYPE:** Permanent

**SALARY:** Based on qualifications

**BENEFITS:** Health, dental, vision care, 401K

**TRAVEL:** Required

**REMOTE OR ONSITE:** Onsite

**RELOCATION:** To be defined

**INTERVIEW TYPE:** Telephone and Company Site

**All applicants must include a cover letter and salary requirements to be considered.**

Cover letter must provide the following:

1. Introduction
2. Reason that individual would be the best fit for the position
3. Questions about the position.
4. Salary Requirements

AirDyne Aerospace participates in E-Verify employment authorization.

AirDyne Aerospace is compliant with 52.222-35, Equal Opportunity for Veterans; and 52.222-36, Equal Opportunity for Workers with Disabilities. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, disability, age, genetic information, or protected veteran status.