

# Manufacturing Engineer

## OPPORTUNITY

Ainira Industries is currently seeking applicants for a Manufacturing Engineer to join our growing team in Melbourne, Australia.

## JOB DESCRIPTION

The Manufacturing Engineer is responsible for determining operations to manufacture products and develop processes to ensure quality, cost, and efficiency requirements are met.

This position troubleshoots problems with production and takes corrective action. The Manufacturing Engineer also researches the purchase of equipment or upgrades to existing equipment.

## RESPONSIBILITIES

- Evaluate, implement, and monitor processes and operating systems for the manufacture of custom EV, aircraft, and spacecraft systems incorporating a variety of custom designed components.
- Develop, document, maintain, and improve manufacturing processes and procedures, and set standard process times in terms of effort and duration.
- Assess the availability of raw materials and their safety and environmental impact of the facility.
- Monitor and improve the efficiency, output, and safety of manufacturing processes through observations and measurements as well as by collecting and interpreting data from other technical and operating personnel.
- Create, edit, and maintain necessary documentation.
- Perform equipment calibration and maintenance monitoring.
- Write detailed work instructions including assembly, test, material inspection and validation procedures.
- Collaborate with the design team and provide design feedback for manufacturability, serviceability, and reliability.
- Support the conversion of advanced technologies products from prototype to Engineering Design Model (EDM) through Low Rate Initial Production (LRIP) and Full Production Release (FPR).
- Prepare tools and provide training and support to manufacturing personnel with initial builds and as necessary with ramp production.
- Work closely with other specialists for quality control of raw materials
- Performs other related duties in the aircraft, and spacecraft prototyping and manufacturing as required by management.

## **SKILLS and ABILITIES**

- BSc Engineering, Mechanical/Manufacturing Engineering; MSc viewed favourably.
- 5 to 8 years' experience in an EV/aerospace production environment deploying complex production processes.
- 10 years of experience in a technology to product transition / low rate production environment
- Experience in assembling, handling, and testing opto-mechanical and electro-optic assemblies and sub-systems.
- Experience in technical Production Engineering and quality methodology - such as statistical process control and FMEA is a plus.
- This position leads 2 to 4 employees with the day-to-day instructions within that department
- Experience working with R&D and design team to launch new products.
- Experience with Materials Requirements Planning (MRP) software.
- Working knowledge of standard software used for reports and documentation (Word, Excel, PowerPoint)
- Engineering Design Model (EDM) to Low Rate Initial Production (LRIP).
- Knowledge of Engineering Release Orders (ECO), production infrastructure.
- Uses logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Time management, organisational, and problem analysis and solving skills a must.
- Self-starter who is highly motivated and takes initiative.
- Ability to collaborate in a team environment, and works well under pressure in a dynamic fast-paced environment.
- Must be able to accurately communicate ideas, always operate on a professional level, and provide solutions to challenging issues.
- Willingness to continue to learn, grow, and take on stretch assignments.
- Excellent computer and MS Office skills to report in a variety of formats.

## **COMPENSATION**

The Company offers a competitive compensation and benefits package, including salary and company stock.

## **APPLY**

Click "Apply" below or use form in the Contact section – quote the reference number HR-MFG-42. Only the shortlisted candidates will be contacted. Thank you for your interest.