Manufacturing Engineer – RF Systems and Sub-systems | UAN - 1EAE1A

Department: Manufacturing Engineering / RF Systems
Location: Villejust, France
Type: Full Time

About the Role

We're looking for a Manufacturing Engineer – RF Systems and Sub-systems to bridge MVG's R&D design teams and the production floor. In this role, you will translate complex electro-mechanical and RF designs into efficient, repeatable, and scalable production processes for critical RF modules. This is a great opportunity for a hands-on manufacturing engineer who wants to support world-class antenna measurement systems through strong process ownership, technical rigor, and production-floor collaboration.

About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test, validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

Responsibilities

Develop, consolidate, and maintain manufacturing files, including BOMs, assembly work instructions, and process routings for complex RF modules.

Define and optimize electro-mechanical assembly processes for electronic boards, power supplies, RF components, mechanical enclosures, and cooling systems.

Establish precise procedures for handling, bending, and routing RF cables and waveguides to protect RF performance during assembly.

Collaborate with RF, Electrical, and Mechanical Design Engineers during NPI to improve design for manufacturability, assembly, cost, and testability.

Design and procure assembly fixtures, jigs, and tooling to support accurate alignment and repeatable production of RF modules.

Act as the primary technical point of contact for production teams, leading root-cause analysis and corrective actions for build issues, test failures, and non-conformances.

Drive continuous improvement using Lean Manufacturing and Six Sigma principles to reduce cycle time, eliminate waste, improve first-pass yield, and strengthen product quality.

Requirements*

Bachelor's degree in Manufacturing Engineering, Mechanical Engineering, Electrical Engineering, Industrial Engineering, or a related technical field.

3+ years of experience as a Manufacturing Engineer or Process Engineer in an electro-mechanical, aerospace, defense, or telecommunications manufacturing environment.

Proficiency in written and spoken English for technical documentation and collaboration with international teams.

Demonstrated experience creating detailed visual work instructions and managing manufacturing data in ERP/PLM systems such as Agile, Teamcenter, SAP, or Oracle.

Experience with 3D CAD software such as SolidWorks, Creo, or AutoCAD for model review and simple fixture design.

Strong understanding of mechanical assembly tolerances, torque specifications, hardware integration, and safe handling of ESD-sensitive components.

Excellent written and verbal communication skills, with the ability to explain complex engineering concepts to production technicians.

Nice to Have

Master's degree in Manufacturing Engineering, Mechanical Engineering, Electrical Engineering, or a related field.

Direct experience manufacturing RF systems, including knowledge of shielding, grounding, insertion loss, and how manufacturing processes impact RF performance.

Experience integrating and testing cooling systems, high-voltage power supplies, or densely packed electronic enclosures.

Experience in regulated quality environments such as AS9100 or ISO 9001, Lean Six Sigma certification, or transition from prototype/NPI to full-rate production.

How to Apply

Please submit your CV and cover letter to joseph.moore@mvg-world.com with the subject line: Manufacturing Engineer – RF Systems and Sub-systems – Application. We look forward to hearing from you!

**This role may require eligibility for access to classified or sensitive information under applicable national security laws. Possession of an active clearance is not required, and the company may conduct necessary background checks or request supporting documentation in compliance with applicable laws and regulations.*

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