



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

Department: Manufacturing Engineering

Location: Office / MVG Industries (Villejust)

Type: Full-time

About the Role

As a Manufacturing Engineer – RF Systems and Sub-systems at MVG in Villejust, France, you will act as the key bridge between R&D design teams and the production floor. You will translate complex electro-mechanical and RF designs into efficient, repeatable, and scalable manufacturing processes for critical RF modules used in world-class measurement systems. This role is ideal for a hands-on engineer with strong electro-mechanical manufacturing experience, technical rigor, and a passion for high-tech RF systems.

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 PCBAs, power supplies, RF components, cable routing, mechanical enclosures, and cooling systems.
- Ensure precise RF cable handling, bending, and routing procedures to protect signal integrity and prevent VSWR, phase mismatch, or degradation issues.
- Collaborate with RF, Electrical, and Mechanical Design Engineers during NPI to improve manufacturability, cost efficiency, assembly quality, and testability.
- Design and procure custom assembly fixtures, jigs, and tooling to support accurate technician work and repeatable RF module builds.
- Lead production-floor troubleshooting, root-cause analysis, and corrective actions for build issues, test failures, and component non-conformances.
- Drive continuous improvement using Lean Manufacturing and Six Sigma principles to reduce cycle time, eliminate waste, improve FPY, and enhance 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 to document procedures, communicate technical concepts, and collaborate 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 assembly fixture design.
- Strong understanding of mechanical assembly tolerances, torque specifications, hardware integration, and ESD-sensitive component handling.
- Familiarity with electronic assembly standards such as IPC-A-610 or J-STD-001, plus ability to work hands-on in production, stand for extended periods, and lift up to 25–50 lbs.

Nice to Have

- Master's degree in Manufacturing Engineering, Mechanical Engineering, Electrical Engineering, or a related field.
- Direct experience manufacturing RF systems, with working knowledge of shielding, grounding, insertion loss, and the manufacturing factors that influence RF performance.
- Experience integrating complex active or passive cooling systems, high-voltage power supplies, or densely packed electronic enclosures.
- Familiarity with AS9100 or ISO 9001 quality environments, Lean Six Sigma Green Belt or Black Belt certification, and transitioning products from prototype/NPI into full-rate production.

How to Apply

Please submit your CV and cover letter to: joseph.moore@mvg-world.com

MVG - Testing Connectivity for a Wireless World

Special note: 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.