

# UMBRA

## Spacecraft Manufacturing Engineer

Umbra Lab, Inc. (“Umbra”) is a technology company which builds next-generation space systems. Umbra is launching an unrivaled constellation of space-based radar satellites with synthetic aperture radar (SAR) capabilities, to produce all weather day-night imagery with sub-meter resolution for low cost distribution via an integrated web platform. We are a bold, experienced team of developers, engineers, product specialists, and other professionals working to aggressively expand the state-of-the-art for commercial remote sensing.

We are looking for a Spacecraft Manufacturing Engineer to lead the development and sustainment of Umbra’s space vehicle and payload production lines. This position will work within Engineering in support of the Umbra SAR constellation expansion. The Spacecraft Manufacturing Engineer will be responsible for manufacturing compliance to processes and procedures used during production. They will aid in the development and support of manufacturing processes while working directly with and leading manufacturing personnel to resolve process issues real time. They will develop, implement, and continuously improve spacecrafts and payload, assembly, and integration manufacturing processes through strong working knowledge of engineering, manufacturing, machining, assembly, integration, tooling, test, and quality assurance techniques.

### Key Responsibilities

- Develop production procedures and processes and ensure they are accurately and clearly documented to allow repeatable and reliable manufacturing
- Provide engineering support for day-to-day production and quality processes
- Train production personnel and leadership on new and existing processes and procedures
- Support establishment, communication, and execution of production plan, schedule and budgets
- Contribute to design reviews, acting as an expert in design for manufacture and test
- Oversee introduction and implementation of new products and product revisions
- Resolve manufacturing discrepancies and non-conformances
- Perform structured root cause analysis of in-process failures

### Basic Qualifications

- Bachelor's Degree in Mechanical, Electrical, Industrial, Aerospace, or Manufacturing discipline
- 5+ years of aerospace manufacturing experience
- Comfortable working in a dynamic and fast-paced development environment
- Capable of solving complex problems with little to no supervision in a timely manner
- System test, Electronics and Software trouble shooting skills
- Strong technical documentation and writing skills
- Supply Chain and Contract Management oversight (technical interface to strategic suppliers)

### Desired Qualifications

- 10+ years of aerospace manufacturing experience
- Experience with assembly of satellite systems, components, particularly deployable space systems and mesh antennas
- Experience with flight hardware quality control, mission assurance and qualification process
- Manufacturing safety, product safety, and other compliance related items
- Experience with SolidWorks or PTC Creo
- Leading a small team of technicians through complex manufacturing process
- Working proficiency with DFMEA, PFMEA methodologies and Fault Tree Analysis

# **UMBRA**

## **Benefits**

- Flexible Vacation / Paid Time Off
- Medical, Dental, Vision, 401(k)
- Stock Options

## **Location**

- Santa Barbara, CA

## **Additional Requirements**

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire. All persons hired will be required to be a U.S. citizen, a lawful permanent resident of the U.S., or protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State. Umbra is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

To apply: Email resume to [careers@umbralab.com](mailto:careers@umbralab.com)