

Electronics Manufacturing Specialist

Who We Are

Advanced Electronic Designs, Inc. (AED) is an engineering product design and development firm located in Bozeman, Montana that is a wholly owned subsidiary of Sphere Entertainment Co. AED thrives on solving intricate design challenges and developing innovative solutions for a diverse range of industries and technologies. Our environment is fast-paced and engaging, coupled with a healthy work-life balance and competitive compensation. Due to the hands-on nature of the products we develop, staff are required to be present on campus. When you join our team, you will be part of an exclusive group of forward-thinking engineers developing first-of-kind technologies that make a positive contribution to society.

Who You Are

You are an electronics manufacturing professional proficient in electronics manufacturing techniques, component/systems assembly, quality control processes, and industry standards. You are capable of operating PCBA manufacturing equipment, including Surface Mount, Through-Hole, and auxiliary/test equipment in support of rapid prototyping and low volume production. You are exceptionally organized, detail oriented, and open to learning new skills.

What You Will Do

- Pick & Place Programming, Operation, Calibration, and Maintenance.
- Fine-pitch rework/assembly soldering under a microscope
- Reflow Oven Profiling, Operation, and Maintenance
- Screen Print Setup/Profiling & Operation and Maintenance
- Assembly, inspecting, testing PCBAs/systems, and troubleshooting failed PCBAs/systems utilizing various test equipment.
- Collaborate with design engineers to ensure that electronic products are manufacturable and meet design specifications
- Assembly wire harnesses according to cable assembly drawings and conduct inspections and testing at various stages of the manufacturing process
- Maintain accurate documentation per manufacturing processes and quality control procedures

Qualifications

Experience:

- Minimum of 5 years of hands-on electronics manufacturing experience
- Familiarity with, and ability to adhere to, IPC 610 and 620 classes 1, 2 and 3
- Experience using schematics or blueprints, wiring lists, manufacturing notes, and verbal and written instructions to assemble, modify, troubleshoot, rework, or reassemble units.
- ISO-9001 experience (preferred)

Knowledge, Skills, and Abilities:

- Strong understanding of ESD practices
- Visual acuity, depth perception, and ability to adjust focus as necessary to perform inspections with and without the use of a microscope.
- Skill in the use of a computer, including Microsoft Office Suite (Word, Excel, Project, Access, etc.)
- Identify opportunities for process improvement to enhance efficiency, reduce costs, and increase product quality.

Requirements:

- Professionalism representing AED when interacting with staff, vendors, clients, and the public
- Organizational skills and the ability to plan, prioritize, and execute tasks independently
- Stand or sit for long periods of time while programming manufacturing equipment, or training technicians to perform these tasks
- Use of a microscope while performing quality inspections of solder and component placement on PCBAs
- Regularly walk, stoop crouch, reach, lift, carry, push, and pull
- Strong written and verbal communication skills
- Pass a comprehensive background check
- Candidates must be able to comply with the federally mandated requirements of U.S. export control and ITAR compliance laws, which require proof that the candidate is a U.S. person.

Benefits

In addition to exciting work at a growing company, we offer the following benefits:

- 401(k) retirement with a company match
- Health, Vision & Dental Insurance
- Life, AD&D insurance
- Vacation and holiday pay
- Relocation assistance