



Title: Senior Electrical/Electro-Mechanical Engineering Technician

Location: Marlborough, MA

About Akoya Biosciences, Inc.

Akoya Biosciences, Inc., The Spatial Biology Company™, with offices in Menlo Park, CA and Marlborough, MA is a well-funded and emerging growth company that is developing powerful imaging tools to enable scientists and clinical researchers to gain a better understanding of complex diseases such as cancer and autoimmune disorders. Our CODEX® platform enables the assessment of more than 40 protein markers in a sample and is ideally suited for biomarker discovery. Our Phenoptics™ platform, the industry standard for multiplex IF/IHC provides the assay robustness and throughput necessary for translational and clinical research required in clinical trials. Our partnerships with the academic community and our customers have resulted in a robust pipeline of future products.

Position Summary

Akoya Biosciences is looking for a Senior Electrical/Electro-Mechanical Engineering Technician to join our company, supporting both R&D and Internal Manufacturing. Akoya develops automated laboratory imaging instrumentation and automated liquid handling systems that support fluorescent tissue pathology applications and biomarker discovery. This position will play a critical role in the support testing, troubleshooting, and assembly of instrumentation, electro-mechanical modules, PCBs, cables, and test fixtures. The position will also serve as an electrical and mechanical resource for supporting internal manufacturing. The position will also support new product launches and sustain existing instruments already in production.

The Marlborough campus has implemented a quality system and development process that are compliant with ISO-13485 and recently received ISO-13485 certification. The Sr EE/EM Technician will be expected to participate in and adhere to ISO-13485 practices.

Key Responsibilities

- Support Mechanical and Electrical Engineering activities, including custom PCBs, cables, subassemblies, and test fixtures
- Support internal manufacturing with test fixture development, sub-assembly troubleshooting, and rework
- Use electrical measuring devices (oscilloscopes, multimeters, function generators) to troubleshoot PCB or system-level issues
- Re-work custom electronics boards when issues are found
- Collaborate with R&D and internal Manufacturing Engineers to optimize electronics and cable placement/routing in novel automated imaging systems and liquid handling instrumentation
- Perform verification testing of new electronics parts and subassemblies
- Support the design transfer of parts, subassemblies, and instruments from R&D to Manufacturing
- Support sustaining activities such as trouble-shooting electronics parts and finding electronics part alternatives due to obsolescence
- Use layout/schematic software to review PCB schematics (PADS or equivalent)



- Support NRTL testing of EMI, EMC, and safety for CE certification
- Order parts and request quotes from Electronics vendors
- Maintain Bill of Materials in electronic Quality Management System (Arena)
- Support instruments at early-adopter sites
- Support new product launches

Skills and Qualifications

- 10+ years of electrical/electro-mechanical engineering technician experience, preferably in a life sciences or medical device company
- Associates degree in Electro-Mechanical Engineering, Electronics, Electrical Engineering, Mechanical Engineering
- Certified IPC Specialist (IPC J-STD-001) or higher
- Familiarity with electrical measurements and measuring equipment (oscilloscopes, multimeters, function generators)
- Practical experience in reworking and resoldering PCBs to fix performance and/or add novel functionality
- Familiarity with PADS (or similar PCB layout software)
- Experience with Solidworks (or equivalent)
- Familiarity with NRTL testing of EMI, EMC, and safety for CE certification
- Familiarity with electronic Quality Management Systems and Project Lifecycle Management systems (Arena, Agile, etc.)
- Excellent communication skills (enjoys working with diverse team members)
- Ability to multi-task and manage priorities
- Strong organizational skills and attention to detail
- Flourishes in a highly dynamic and small company environment