

Flex Technician Job Description

- Review engineering drawings, schematics, and specifications for flex circuits to understand design requirements
- Prepare production tools and equipment including laminators, printers, laser cutters, testing systems per manufacturing instructions
- Lay out flex circuit patterns by plotting artwork films manually or using specialist CAM software
- Load materials such as polymer films into processing equipment and operate machines to produce prototyping batches
- Assemble flex circuits by precision soldering components like chips, connectors, and capacitors onto fabricated circuits
- Perform visual and microscopic inspection of circuits to ensure conformance to quality standards
- Connect completed flex circuit assemblies to test equipment and diagnose issues with fit, form or function
- Document all raw material lot numbers, inspection and testing parameters, and process deviations as per quality protocols
- Communicate with engineers and supervisors to confirm that flex circuit batches meet all acceptance criteria
- Maintain production equipment, repair, replace worn out components and request servicing as needed
- Design and fabricate custom mechanical fixtures, brackets and mounting hardware for test setups
- Contribute ideas for improving manufacturing processes, optimization of procedures, and enhancing final product quality
- Train junior technicians and other production staff on safe, optimal methods for handling and processing flex circuits
- Ensure that workflow and documentation adhere to the company and industry guidelines for quality and regulatory compliance
- Perform cross-functional duties in procurement, logistics, or sustaining engineering as required.