



Advanced Manufacturing Engineer

Working location: Mainland China

Key Responsibilities

- Lead a team of suppliers and equipment manufacturers in the development and support of fixture, tools, machine design for the development of highly precision assembly equipment and testing equipment for new modules (Cable, Connector, Battery, Acoustics, Wireless, Heat sink, Packaging, etc) that are to be incorporated into Apple products.
- Drive all technical and operational issues related to manufacturing, test and final assembly processes to ensure effective closure of all issues to enable operational success of the entire product introduction cycle and into mass production. Work closely with the suppliers to provide technical & manufacturing direction to guarantee their ability to meet Apple design, test and quality requirements.
- Work closely with the cross functional team in the development of new assembly processes, equipment, and technical support (TPM, Test, SQE, EPM, etc)
- Develop automation systems for assembly and test.
- Review and submit all equipment requirement plans, along with assessment of the robustness of the solution to meet the requirements of the operation and implementation of any additional solutions to mitigate any risks to the plans.
- Serve as the technical advisor and ensure equipment and process technical readiness for all phases of the introduction cycle.
- Use problem solving skills such as root cause analysis, DOEs, process capability to lead problem solving with technically challenging issues faced during the introduction cycle.
- Write technical specifications for new assembly and test equipment required.
- Develop qualification plans to assure assembly and equipment robustness for each build in the introduction cycle.
- Qualify assembly and test equipment according to developed qualification plan.
- Partner closely with the Engineering teams during all phases of development and product introduction. Interface with the various Operational Program teams to enable success of the new module introduction.
- Ability to drive to an acceptable solution for all cross functional team members when no solution exists
- Frequent travel is expected

Education / Experiences

- BS/MS in Engineering

- Good understanding of engineering concepts to be used for equipment development
- Basic statistical understandings of DOEs, process capability, correlation, and GR&R
- Background in manufacturing and testing is preferred.
- Excellent organizational and management skills.
- Design or development experience through engineering projects.
- CAD experience.
- Good English and Communication Skills.