



Advanced Manufacturing Engineer

Working location: Mainland China

Key Responsibilities

Lead a team of suppliers and equipment manufacturers in the development and support of fixtures, tools, machine design for the development of high precision assembly equipment and testing equipment for new models (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 in production cycle and in 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 requirements 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 of the plans.

Serve as the technical advisor and ensure equipment and process technical readiness for all phases of the production cycle.

Use problem solving skills such as root cause analysis, DOEs, process capability to lead problem solving in technically challenging issues faced during the production 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 production cycle.

Qualify assembly and test equipment according to developed qualification plan.

Partner closely with the Engineering teams during all phases of development and production. In interface with the various Operational Program teams to enable success of the new model in production.

Ability to drive an acceptable solution for all cross functional team members when no solution exists.

Frequently travel as needed

Education / Experience

BS/MS in Engineering

Good understanding of engineering concepts related 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.