1. Conducted research to test and analyze feasibility, design, operation and performance of [Type] equipment, components and systems.
2. Performed analysis on [Type] technical designs and prototypes in development stage.
3. Developed and tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification.
4. Prepared, checked and coordinated documentation to support [Type] and [Type] component design and application.
5. Wrote and performed complex [Type] component tests.
6. Led design and integration of solid state switching LAN cable tester.
7. Assisted in development of [Type] testing systems, including automated [Type] equipment.
8. Supported [Type] engineering design through analysis and simulation of prototypes and [Type] computer models.
9. Performed tolerance analysis to support success in high-volume [Type] product manufacturing.
10. Planned and evaluated results of [Type] analysis, modeling and experiments.
11. Worked with [Type] product designers to implement and debug new manufacturing processes.
12. Developed [Type] product prototype components, assemblies and tooling.
13. Balanced environmental responsibility and budget parameters in selection of production materials.
14. Worked with product planners and industrial designers to conceptualize and refine product concepts.
15. Oversaw product development, design and releases for production of [Type] and [Type] products.
16. Interacted with project leaders and stakeholders to define requirements and generate and maintain design development documents.
17. Processed field and performance assessment data using [Software].
18. Monitored design and integration of solid state switching [Type] tester.
19. Tested [Type] products extensively to measure against design intent.
20. Developed, tested and assessed alternative design models and processing methods.