TMD Technologies LLC

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JOB DESCRIPTION

TITLE: Engineering Technician

SCOPE:

Reporting to the Operations Manager, the Engineering Technician is responsible for the testing, troubleshooting and repairing of high voltage power supplies (HVPS's) used primarily in Traveling Wave Tube Amplifiers (TWTA's). Work includes repair of items, field service, engineering test setups, installations, testing, certification, integration and handling of returned materials.

Qualified candidates will possess strong troubleshooting (to component level) and problem solving skills, strong analog and digital skills, experience using DVM, Oscilloscope, hand tools and excellent soldering skills. Candidates require an Associate's degree or 5 plus years equivalent technical experience and/or military technical training.

Duties:

- Test RF performance of finished product to ensure proper operation per established test criteria
- Integrate power supplies with high-power microwave devices
- Test, troubleshoot and repair high-voltage switching power supplies and sub-assemblies.
- Troubleshoot electronics down to the component level to determine route cause of failure
- Perform required repairs to return unit to operational state
- Set up and test units to meet specified requirements
- Operate oscilloscopes, generators, meters, power supplies, service monitors and test fixtures, and understand their use and function
- Operate microwave test equipment and understand their use and function (RF sweepers, power meters, and network analyzers a plus)
- Operate hand tools and small power tools and understands their use and function
- Inspect all work before passing on to the next operations
- Keep supervisor apprised of all unresolved and/or potential problems that would negatively affect schedule
- Fill out test and failure reports
- Comply with the Company Policy on Health & Safety
- Perform other related duties as assigned

Requirements:

- A.S. Degree in Electronics or related technical discipline
- Professional, clear verbal and written communication
- Experience using the following equipment: DVM, oscilloscopes, recorders, hand tools, such as soldering irons, hand crimpers, screwdrivers, wrenches, and pliers
- Advanced training in electronic theory such as one would receive at a technical trade school, military training, an Associate degree program, or multiple years of on the job training
- Generate failure analysis and problem report to management
- Valid driver's license and reliable transportation
- Some domestic and international travel may be required
- Must be able to exercises judgment within defined procedures and practices to determine appropriate action
- Must be able to lift 70 lbs
- Must be capable of being CPR certified
- Certification in J-STD-001, Requirements for Soldered Electrical and Electronic Components, a plus
- Certification in IPC-7711/7721, Rework of Electronic Assemblies/Repair and Modification of Printed Boards and Electronic Assemblies, a plus