

TMD TECHNOLOGIES VACANCY

Title: Electronic Technician

Responsible to: Service Centre Manager

Scope:

The Electronic Technician is responsible for the testing, troubleshooting and repairing of high voltage power supplies (HVPS's) used primarily in Traveling Wave Tube Amplifiers (TWTAs). Work includes receiving of goods, initial inspection, integration, testing, repair and handling of repaired items from suppliers.

Qualified candidates will possess 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.

Key Responsibilities:

- Test RF performance of finished products to ensure proper operation per established test criteria
- Integrate power supplies with high-power microwave devices
- Test troubleshoot and repair high-voltage power supplies
- Troubleshoot electronics down to the component level to determine root cause of failure
- Work directly with TMD Engineers
- 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)
- Utilize hand and power tools as intended
- Inspect all work before passing on to the next operations
- Keep supervisor apprised of all unresolved and/or potential problems that would negatively affect the schedule
- Properly document traveler and company database with collected engineering data
- Comply with the Company Policy on Health & Safety
- Perform other related duties as assigned

Requirements:

- Associate degree or 5 plus years equivalent technical experience and/or military technical training
- 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
- Valid driver's license and reliable transportation
- Must be able to obtain and a hold security clearance
- Some domestic and international travel may be required
- Must be able to exercise judgment within defined procedures and practices to determine appropriate action
- Must be able to lift 70 lbs
- 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

Job Reference: Electronic Technician 26/10/2018



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