



AUTOMATED TEST EQUIPMENT LABORATORY

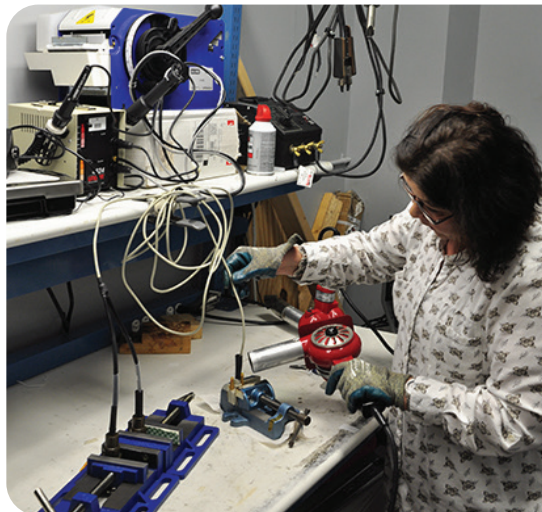
LABORATORY INFORMATION FACT SHEET

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The Automated Test Equipment (ATE) Laboratory provides the capability for on-site research and development of Automated Test System (ATS) hardware and software. The ATE Laboratory's equipment and personnel support the development of weapon system Test Program Sets (TPSS), At-System test kits, maintenance trainers and simulators and their interfacing with ATS.

TECHNOLOGY/FACILITY DESCRIPTION:

The facility occupies over 9,000 square feet that houses and utilizes

many ATE systems including the Army's latest member of the Integrated Family of Test Equipment (IFTE), the Next Generation Automated Test System (NGATS). The NGATS provides a deployable, interoperable, general purpose, reconfigurable testing capability for Army weapon systems. The facility also provides for development of next generation test technologies and prototype ATE for Electro-Optical (EO) and Radio Frequency (RF) test capability. The ATE Laboratory includes an ATE Prototype Fabrication facility with the capability and resources to manufacture cables, test kits, Interconnecting Devices (ICD) and any device needed for TPS or ATE research, development and fielding.



EQUIPMENT AND EXPERTISE AVAILABLE:

- NGATS (Next Generation Automatic Test System, IFTE V6)
- NGATS EO (Next Generation Automatic Test System Electro-Optical)
- Integrated Family of Test Equipment (IFTE) V3 & V5
- DSESTS - Direct Support Electrical Systems Test Sets
- TETS and VIPER with EO capability - Marine Corps ATE
- Huntron Tracker
- DIT-MCO - cable test/wire analyzer
- Aurora (Mantech VTS-1000)
- ATE engineering support
- ATE field support and troubleshooting
- Weapons systems support test equipment
- Printed Circuit Board (PCB) development and fault diagnosis
- ATE and TPS prototype fabrication