



ELECTRONICS, ELECTRO-MECHANICAL & PROTOTYPE FABRICATION FACILITY

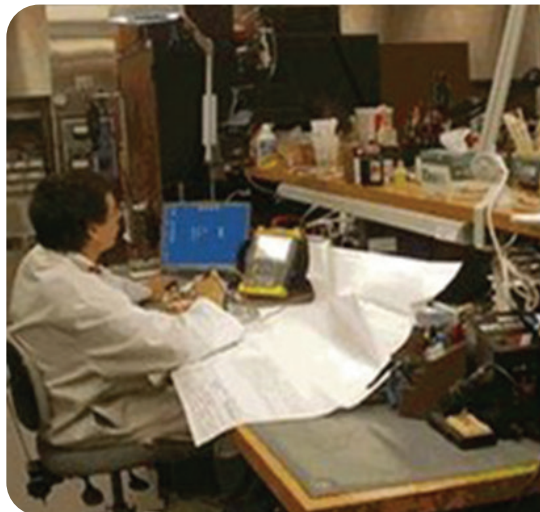
LABORATORY INFORMATION FACT SHEET

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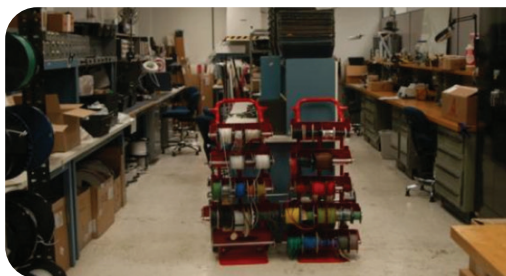


Electronics, Electro-Mechanical & Prototype Fabrication Facility is a Precision Munitions and Instrumentations Division laboratory that develops, tests and evaluates prototypes.

TECHNOLOGY/FACILITY DESCRIPTION:

The DEVCOM AC Precision Munitions and Instrumentation Division has been in the prototype development arena since the team's inception in the early 1950's. Since then, the concept of "prototype development" has been taken to new levels.

Capabilities include surface mount, through-hole technologies and hand finished work. Electro-mechanical, cable and harness assembly are additional services that we provide. Complete electrical test and evaluation are available. The team has expertise in packaging, from commercial to military high G applications, packaging multiple, complex components into a single package effectively and efficiently. Experience also includes packaging other pre-engineered systems.



EQUIPMENT AND EXPERTISE AVAILABLE:

- Environmental temperature chambers for both hot and cold testing
- Modern machine tools for mechanical fabrication and modification tasks
- State of the art inspection facilities which include microscopes, video microscopes and X-ray equipment
- Electronics and electro-mechanical prototype design and fabrication
- Schematic creation and printed circuit board design, layout, fabrication and rework capability
- High voltage power and control systems design, fabrication and testing
- High-G telemetry system fabrication
- Microelectronics fabrication
- Cable and harness design and fabrication
- Electronics components and systems encapsulation
- Data acquisition, reduction and analysis
- Electronics failure analysis
- Reverse engineering of electronics circuits
- Electronics circuit troubleshooting and repair
- Electronics and electro-mechanical systems integration
- Quality assurance inspections