



# AUTOLOADER LABORATORY

## LABORATORY INFORMATION FACT SHEET

### CONTACT US:

Technology Transfer Office

Email: [usarmy.pica.devcom-ac.mbx.t2@army.mil](mailto:usarmy.pica.devcom-ac.mbx.t2@army.mil)

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*The DEVCOM Armaments Center's Autoloader Lab is a 2500 sq ft facility capable of housing, integrating and bench testing a variety of autoloader systems.*

### TECHNOLOGY/FACILITY DESCRIPTION:

The facility provides a space for assembly, disassembly, evaluation, test, and lab checkout of various autoloader systems. The lab has electrical integration & diagnostic capabilities with multiple high voltage power supplies. Light machine fabrication and modification

equipment is also available. Team members have experience in the operation of high voltage systems, and motion control/control system development. Autoloader systems include Extended Range Cannon Artillery (ERCA) Autoloaders, ERCA II Rammer tester, Abrams Compact Autoloader, MRAAS Autoloader and subsystems for the PHASIR medium caliber turret. The facility has one bay door for rigging components in and out, and is adjacent with the team's office space.



### EQUIPMENT AND EXPERTISE AVAILABLE:

- 5 ton overhead crane
- Assemble Prototype hardware / electronics, tune, and lab test autoloader systems and subsystems.
- 3D printing of components to test fit and develop ammunition handling of pre-prototype munitions
- Design/develop/test autoloader
- Design/develop/test small to medium size turrets/gimbals
- Light Machining capabilities to modify hardware