



BALLISTIC EVALUATION CENTER

LABORATORY INFORMATION FACT SHEET

CONTACT US:

Technology Transfer Office

Email: usarmy.pica.devcom-ac.mbx.t2@army.mil

v.02

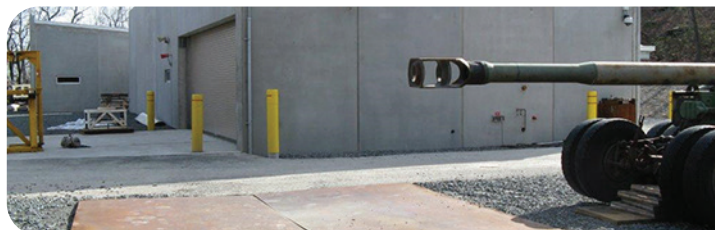


Ballistic Evaluation Center is used to accommodate ballistic firing of conventional and experimental weapon systems, munitions and propellant for 40 mm through 8 inch caliber munitions.

TECHNOLOGY/FACILITY DESCRIPTION:

The evaluation area collects interior, exterior and terminal ballistic data including pressure vs. time, muzzle velocity, acceleration, stress/strain, recovery, muzzle flash evaluation, projectile stability, thermal measurements and weapon integrity.

Data is recorded in real-time, allowing project engineers to evaluate each round as it is fired. Additional capabilities include the loading/modifying of standard and experimental propellant charges, along with support facilities such as service magazines, conditioning chambers and material handling equipment.



EQUIPMENT AND EXPERTISE AVAILABLE:

- Full Instrumentation
 - RADAR
 - Pressure
 - High Speed Video
- Enclosed Firing Bay
- Full Range High Speed Imaging Capability
- Multiple Slug Butts
- Full Range Permanent Backdrop
- Observation Deck
- Indoor Weapon Storage
- Refurbished Propellant Loading Area
- Outdoor Undercover Storage
- Data Collection Room Co-located with Observation Deck