



TRANSPORTATION | DEFENSE & SECURITY | SPECIAL APPLICATIONS



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OSG Ballistic Lab

Cutting-Edge Ballistic Testing

OSG's Ballistic Lab has state of the art testing facilities and equipment with over 25 years of experience.

This includes a wide variety of firing capabilities and advanced measuring equipment. The lab conducts tests for most international ballistic testing standards.



Unmatched Experience and Expertise

The lab offers comprehensive ballistic expertise. This wealth of knowledge is built on a 25-year history of ballistic testing using standard ammunition, fragments and special impactors.

- Ballistic barrels are designed for the lab and held in all-purpose receivers. They are operated in a secure and controlled manner through electrical firing from the control room.
- Expertise in all ammunition types.
- Testing of a broad variety of targets and materials (not including explosives).
- Original manufacturer ammunition up to 20 mm.
- Ammunition supply or surrogate manufacture for international testing standards.
- Dynamic impact testing.

Innovative Testing and Analysis

Ballistic Standards Evaluation - Testing and analysis for a wide range of international standards: UL 752, VPAM, EN 1063, STANAG 4569 AEP-55 Vol.1, MIL-STD-662F, NIJ 0108.01, NIJ-0101.06, and others.

Temperature Ranges - Testing and evaluation of samples from -70 to +175 degrees Celsius.

Optimal Suitability – Adapting ballistic testing to international standards and environmental conditions. Also special requests.

Caliber Range - From 5.56 mm (0.22”) to 20 mm. The lab offers various barrel sizes to analyze fragment simulating projectiles (FSPs) at speeds up to 1500 m/s.

Simulated Ballistic Impacts - The lab also has a gas gun for high velocity impact tests including rock strikes, simulated projectiles and other applications.

Drop Tests - Drop impact testing for objects at various speeds, heights and weights.

Low Velocity Impact - Simulated impact of low velocity objects.

High Speed Photography - Recording and photographing including high-speed photography.

Environmental Conditions - Ballistic tests in simulated environmental conditions.*

*Also environmental condition testing without ballistic testing.

