



OSG Ballistic Lab

Cutting-Edge Ballistic Testing

OSG's Ballistic Lab is located at Kibbutz Tzuba near Jerusalem, Israel. With over 25 years' experience, the lab has state-of-the-art testing facilities and equipment.

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



TRANSPORTATION | DEFENSE & SECURITY | SPECIAL APPLICATIONS

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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.



**ISO 9001:
2008 Certified**

