

Glass panel post-ballistic impact

Facility

BOSIK's ballistics facility is secured and safe storage is available for weapons and ammunition. The facility is suitable for handgun and rifle testing up to approximately 0.50 calibre.

The facility includes:

- Body armour test mannequin (**Goldorac 2**)
- Computerized Data Acquisition and reporting
- Velocity measurement systems
- Barrel conformal pressure transducers
- Bullet trap
- Ballistics Pendulum
- Still and high speed cameras
- Scales
- Universal receiver and gun barrels
- Equipment for manufacturing ballistics gelatin, test materials and fixtures
- Numerous fixtures for holding test samples
- Chamber for measuring pollutants (lead etc.)
- Statistical database and analysis
- Hand loading equipment

Test Materials

- Ballistics Gelatin
- FBI Protocol test materials including; light and heavy clothing, steel sheets, wall board, plywood and automobile glass
- Walls: cement, steel reinforced, and brick
- Fuel Containers: gasoline and propane
- Typical Commercial aircraft cabin interior, skin and cabin window
- Road surfaces: paved, crushed stone
- Automobile components: skin, windshields, and doors



Goldorac II, an adjustable torso mechanism employed in body armour testing



Helmet, post-ballistic impact



Automobile Windshield, post-ballistic impact

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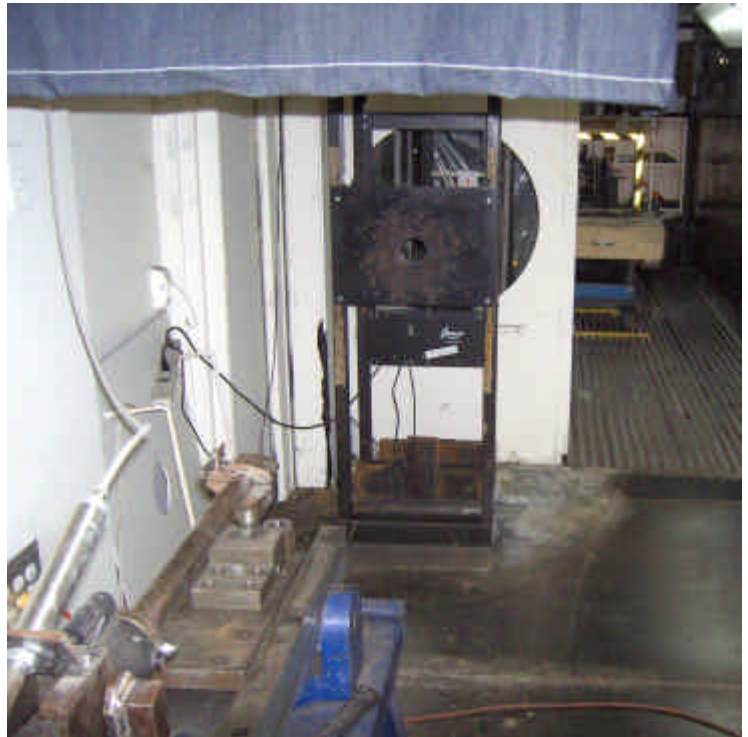


BALLISTICS TESTING FACILITY

The **3-Barrel Gun**, **Hydraulic Retention System** and **Goldorac II** are but a few of the ballistic testing products that BOSIK offers in its Ballistics Laboratory facility. The **3-Barrel Gun**, a.k.a. Multi-Barrel Universal Receiver, replicates from one to three rounds of machine gun fire up to and including .30 calibre high-powered rifle blasts in the ballistic testing of armour.

BOSIK's **Hydraulic Retention System** takes conventional air back V50 fragment testing frames to the next level. The **Goldorac II** is a Canadian designed test fixture to test personal body armour. Goldorac's test rig is capable of testing body armour of various sizes.

From testing hard armour to soft body armour to ammunition and weapons evaluation, BOSIK's ballistic testing runs the gamut.



Ballistic Testing Laboratory

BALLISTIC SERVICES

<p>Ammunition Evaluation:</p> <ul style="list-style-type: none"> ➤ Pressure Tests ➤ Velocity Measurement (V_S/V_R) ➤ Accuracy Evaluation ➤ FBI Protocol Testing ➤ Penetration Measurements in Ballistics Gelatin ➤ Clothing Penetration ➤ Ammunition Loading ➤ Bullet Weight Retention ➤ Miscellaneous Material Testing 	<p>Weapons Evaluation:</p> <ul style="list-style-type: none"> ➤ Hand Guns All Calibers ➤ Rifles Up to 7.62 mm ➤ Ballistic Fragment Simulators ➤ 3 - Barrel Gun <p>Other Services:</p> <ul style="list-style-type: none"> ➤ Contaminants Measurement ➤ Spall Determination ➤ Special Fixture ➤ Preparation of Test Materials ➤ Energy Measurement 	<p>Design and Testing of Protective Equipment and Materials:</p> <ul style="list-style-type: none"> ➤ Body Armour ➤ Helmets ➤ Glass ➤ Bullet Proof Enclosure ➤ Bullet Proof Materials ➤ Turbine Blades ➤ Vehicle Armoury ➤ Materials Q/A Testing
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For specifications and other details, see reverse.