THE COMPLETE SOLUTION

National Technical Systems provides a complete solution for both body and vehicle armor testing. We offer multiple indoor and outdoor range facilities with state-of-the-art data acquisition, flash x-ray and high speed digital recording. Virtually any threat can be evaluated per customer requirement.

Services can be tailored for any test scenario; First Article Testing (FAT), Lot Acceptance Testing (LAT), Internal Research and Development (IR&D), Qualification, and Research and Development.

NTS knows you can’t wait months for testing. Armor testing services can usually be initiated within one week of the complete initial request. Test data can be delivered in the required format within 24 hours of test completion.

Our environmental test set ups, from temperature and humidity to vibration and shock, are co-located with our ballistic testing services, ensuring expedient and efficiently run programs.

REAL-TIME, ANYTIME, ANYWHERE ACCESS

NTS offers a real-time remote customer witnessing capability through our unique secure web portal, LabInsight. LabInsight is a sophisticated, yet easy to use tool that puts you just clicks away from program information, data, reports, status of procurement activities, and the ability to witness test programs or view data remotely.

HIGHLIGHTS AND PRIMARY SPECIFICATIONS

Capabilities & Facilities
- Multiple indoor and outdoor fully instrumented facilities
- Survivability testing
- Weapons evaluation
- Extensive environmental testing including; temperature, humidity, icing, freezing rain, salt fog, sand and dust, vibration and shock.
- Ballistics
- Onsite design and fabrication of fully adjustable test fixtures capable of supporting a variety of test samples

Data Acquisition
- Digital targeting
- Digital scoring
- Doppler radar
- Chronographs
- Digital instrumentation
- Oehler Velocity Screens
- Flash X-Ray
- Digital still photography and high speed video and editing - 190k frames per second color

Personal Protective Equipment tests in our Wichita laboratory

We offer environmental testing including icing and freezing rain

NTS LabInsight facilitates faster communication, eliminates useless redundancies, and improves enterprise-to-enterprise workflow, maximizing efficiency.
HIGHLIGHTS AND PRIMARY TEST SPECIFICATIONS CONTINUED

Primary Specifications
- NIJ STD 0101.03, NIJ STD 01.01.04, NIJ STD 01.01.06, NIJ STD 0108.01, NIJ Ballistic Helmet Testing, NIJ STD 0106.01
- HOSDB Body Armour Standards for UK Police
- V50 Ballistic Test for Armor
- Bullet Resistant Equipment
- STANAG 4569
- TOP 2020710
- UL 752

Accreditations & Associations
- NIJ – National Institute of Justice
- CA DOJ – State of California, Department of Justice
- HOSDB – Home Office Scientific Development Branch
- State of Massachusetts – Executive Office of Public Safety

Caliber Test Threats
- 2 gr. – 64 gr. RCC’s
- 5.56mm
- 7.62mm & 7.62mm Soviet
- 12.7mm (.50cal)
- 14.5mm
- 20mm
- 30mm

Caliber Test Threats Continued
- Shaped Charge
- Custom charges – as defined by client
- Classified threats (procurement lead time)

Products Tested
- Body Armor
- Vehicle Armor
- Reactive Armor
- Ballistic Glass
- Fuel Cell/Fuel Tanks
- CNG Tanks
- Ballistic Structures

ABOUT NTS

Every hour of every day, NTS is fully invested in helping you build better, stronger, safer, more reliable products, and bring those products to market quickly and efficiently. Since conducting our first rounds of tests in 1961, NTS has become one of the largest commercial test laboratory networks in North America.

Our test, inspection and certification services cover environmental, dynamics, EMC, materials, ballistics and much more. NTS engineers have exceptional knowledge of all test and conformity requirements. Client partners in Aerospace, Defense, Telecom and Energy rely on NTS to make sure they’re putting their best products forward, and so can you.