



## Radnor Range Ltd

weapons . ordnance . munitions . explosives



Indoor range and large workshop and target area.



Reloading and instrumentation suites.

## Material, Ammunition and Weapon Testing

Radnor offers a unique combination of facilities enabling the testing of materials, ammunition and weapon system products, all with the assurance that services are being provided to a high standard against the BS EN ISO 9001:2008 quality management and BS EN 14001:2004 environmental management frameworks.

### Facilities include:

- Registered Firearms Dealer, Home Office Section 5 Authority and a complete range of barrels, universal mounts, weapon rests and ammunition including Armour Piercing and Armour Piercing Incendiary (BZ and B32).
- HSE Licenced facility permitting manufacture, storage, breakdown and assembly of munitions.
- 75 kilo maximum NEQ for any one blast.
- 2.5km long range, testing up to 40mm projectiles and aerial countermeasures.
- 20m indoor range equipped with a universal receiver capable of accepting all barrels up to and including 30mm cannon.
- Velocity measuring instrumentation, including Doppler radar, ballistic sky screens, acoustic velocity capture equipment and high speed video.
- Temperature conditioning of munitions and armour products between -54 °C and +71 °C.
- Blast modelling capability (LS-DYNA).

### Services offered:

- Testing and evaluation of weapons, munitions, armour and Ordnance.
- Endurance trials and endurance failure.
- Data analysis and purpose configured test reports suitable for direct submission to sentencing authority.
- Depression firing.

### Examples of test protocols:

- **BS EN1522** and **BS EN1523**: Test and classification of bullet resistance for windows, doors, shutters and blinds.
- **BS EN 1063**.
- **NIJ 0108.01**: Ballistic resistance protective materials.

### Examples of test materials:

- Armour, ceramics and composite panels.
- Shields.
- Doors and glass panels.
- Vehicle components.

For further information or to book a test, please use the contact details below.



Radnor is an MoD UK approved test house

T: +44 (0)1544 267441  
F: +44 (0)1544 267431  
E: [info@radnor.org.uk](mailto:info@radnor.org.uk)

[www.radnor.org.uk](http://www.radnor.org.uk)

**Radnor Ranges Ltd**  
11 Broadaxe Business Park,  
Presteigne, Powys LD8 2UH