SYDOR

TECHNOLOGIES

GAS GUN TESTING CHAMBER

COMPLEX MEASUREMENTS—CRITICAL RESULTS

FEATURES

- Customizable layout
- 6 mm steel walls (additional support provided for back wall of chamber)
- Can be provided with mobile options

ABOUT THE GAS GUN TESTING CHAMBER

The Sydor Gas Gun Testing Chamber is designed for safe indoor testing of ballistic materials in a laboratory setting, using non-explosive projectiles.

Access doors allow for ease of cleaning and the changing of targets within the chamber. The design also adds additionally security as velocity measurement systems and other data acquisition equipment are housed outside the chamber.

The Chamber is provided with an interlock system which links to Sydor's Gas Gun, rendering the gas gun inoperable if any of the access doors are not secured, thus making the system safe.

The base set up involves two tunnel sections and a 1m³ chamber however Sydor can provide custom sizes and set ups upon request. For example large sized chambers can allow various target frames to be inserted. Tunnels and chambers an also have viewing ports added to them.

PRODUCT SPECIFICATIONS

- Base Size Dimensions:
  - Gas Gun Mounting Frame: 700 mm long x 430 mm wide, mounted 1136 mm from the floor
  - Tunnel Sections: 1350 mm longx 330 mm wide each (2 off)
  - Chamber: 1m³ on legs, but can provide options where the chamber extends to the floor
- Material: Mild steel EN1A
- Compatible Test Guns: Sydor Gas Gun and Eyewear Tester

ADDITIONAL CAPABILITIES

- Video: Integration of viewing panel in target chamber and/or firing tunnel for high-speed videography
- Various Targets: Chamber modifications to allow roll in targets
- Modular Setup: System can be provided as modular, i.e. tunnels can be bolted on/removed as required