Blast Wall / Door / Window Test Facility

Test Examples

Blast wall test
Explosion relief pannel test
Blast window test
Blast door test

Sample Test Standards

- **ASTM F 2247**: Standard test method for metal doors used in blast resistant applications (Equivalent static load method)
- **ISO 16933**: Glass in building - Explosion-resistant security glazing test and classification for arena air - blast loading
- **EN 133541**: Glass in building - Security glazing testing and classification of resistance against explosion pressure
- **EN 13124-1**: Windows, doors and shutters - Explosion resistance test method - Part 1: Shock tube
- **EN 13124-2**: Windows, doors and shutters - Explosion resistance test method - Part 2: Range test

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### Blast Wall / Door / Window Test Facility

**Objectives**
- Blast performance and reliability testing of industry products (e.g., blast walls, doors, and windows) in explosions

**Features of Test Facility**
- Four models can be tested at the same time.
- Remote control and automatic test data measurements are made.

**Specification**
- Test frame size: L12 x W6 x H4 (m)
- Gas analyzer: 20ppb ~ 30ppm
- Maximum blast pressure: 2bar (operational), 5bar (structure)
- Maximum test model sizes: L2 x W4, L4 x W4, L4 x W6, L4 x W8 (m)
- Data acquisition: 1 MS/s, 32 ch.

**Overview**
- Four models can be tested simultaneously.
- Remote control and automatic test data measurements.

**Key Components**

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- Gas storage
- Gas controller
- Gas supplier
- Gas analyzer
- Emergency discharge
- Blower
- Data logger
- Monitoring system