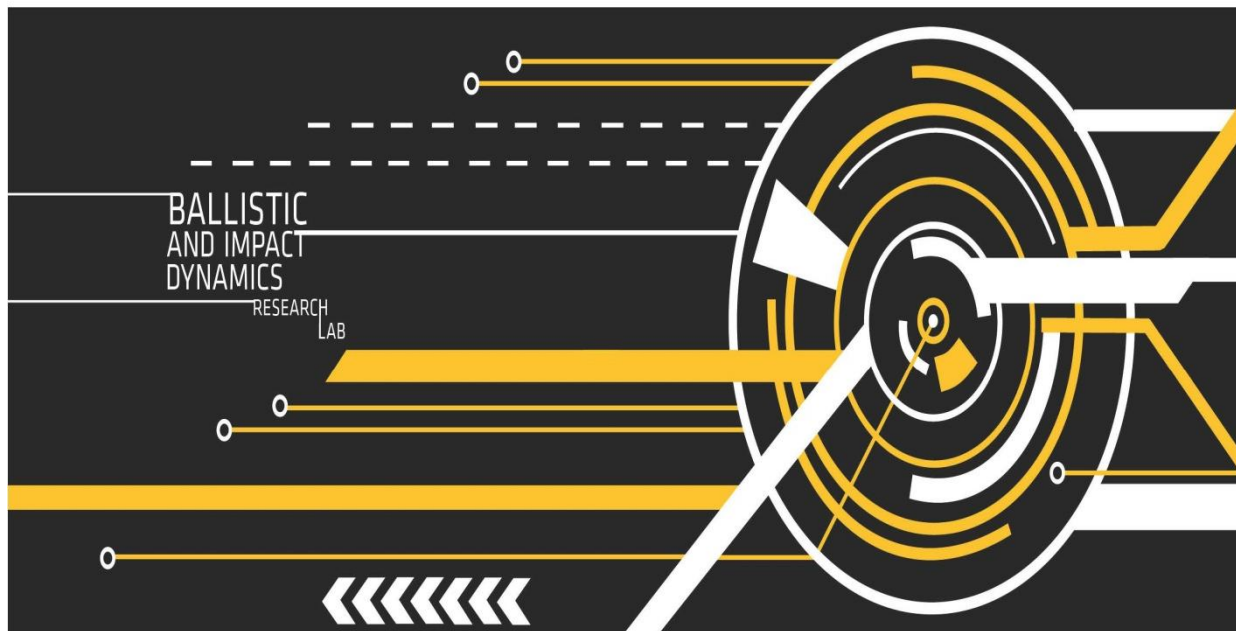


# Ballistic and Impact Dynamics Research Lab



The Ballistic and Impact Dynamics Research Lab provides testing and materials research associated with high-energy projectile impacts of aircraft structure, equipment and components. The lab is designed specifically to better understand the dynamics of impact and material performance.

## Capabilities

- Fire ballistic projectiles from 22-50 caliber rounds
- Can accommodate various projectile styles
- Tumbling rounds for various calibers and ammunition (required for most pressure vessel specifications)
- Rounds can be fired from various distances: 25, 50, 75 and 100 feet
- Drop tests for up to 35 ft
- Over-pressure burst testing and high-risk testing
- Ballistic impact of materials or structure under load
- Ballistic protection and impact loading
- Test of pressure vessels and oxygen tanks
- Bonfire testing
- Environmental testing

## Facilities

- 25ft x 25ft x 35ft reinforced concrete containment
- Control room where clients can safely monitor all aspects of the test and record numerous streams of high speed video, pressure, temperature and strain data
- Located at the world renowned Aircraft Structural Test and Evaluation Center

**Questions?** Contact Paul Jonas (316) 978-5727