The National Institute for Aviation Research is equipped to handle a wide variety of aerodynamic testing needs, offering services in model design and production, and subsonic testing in the Walter H. Beech Wind Tunnel.

CAPABILITIES & EQUIPMENT
- Test section 7’H x 10’W x 12’L
- 2,500 HP fan
- Active heat exchanger
- Speeds of more than 240 mph
- Real-time data reduction and display
- Digital video and still cameras
- Aerotech ATE external balance with several mounting arrangements
- Triumph and Aerotech ATE internal balances and c-strut sting system
- PSI 8400 pressure measurement system with more than 280 channels available
- Flow visualization with multi-camera video recording system and 3-watt laser sheet, smoke, tufts, china clay, etc.
- Engineering technical services available from WSU aerospace engineering faculty including computational fluid dynamics modeling, analysis and wind tunnel model structural analysis

RECENT PROJECTS
- Boeing ScanEagle Compressed Carriage UAV
- Learjet 85

CLIENTS
- Business Jet
- UAS
- Antenna
- Recreational Vehicle Manufacturers
- Federal Grant Research

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