



ADVANCED STRUCTURAL INTEGRITY & PRESSURE (ASIP) TEST CENTER

Uncompromising Precision.
Absolute Confidence.

Golden Dome for America mandates that our nation must deliver a fully integrated missile defense architecture in just three years. The urgency for credible, independent, and proven testing has never been greater.

Dayton T. Brown, Inc.'s (DTB) ASIP Test Center is the cornerstone to meet the demand signal for America's layered national defense.

The ASIP Test Center is a purpose-built, propulsion-grade test environment designed to validate strength, reliability, and performance of rocket motors, COPVs, and mission critical component systems.

We provide Hydrostatic Proof Burst testing, and Structural Load testing by combining decades of DTB structural and fatigue testing expertise with state-of-the-art instrumentation, automation, and AI-enabled analytics.

Features



**Designed to withstand
8 megajoules of energy**



**30 ft. high doors, 30 ft.
long items, 25-ton crane**



**Modular frame with
300,000 lbf capacity**



**Pumps up to 3,000 psi
with 100 gpm flow**



A Facility with Purpose

The ASIP Test Center is more than a lab. It's a flexible solution designed to meet your needs, wherever they are.

Modular and Scalable

Facilities can be replicated near your production sites with surge capacity available in our New York facility.

Mission Assurance

Every ASIP Test Center provides:

- Precision instrumentation and strain gage mapping
- Pre- and post-test NDI with X-ray and/or ultrasound
- High-speed video synchronized to test events
- DTB LTM (Lab Test Manager) automated, compliance-ready reporting

3rd Party Certification

DTB installs, qualifies, and operates these centers, preserving the independence essential to audit-ready credibility

DTB EDGE™: The Future of Testing

Our proprietary DTB EDGE™ (AI) platform integrates every stage of your product's lifecycle, delivering actionable intelligence from design to deployment.

AI-Driven Insight

Gain critical test insights before your first prototype is even built.

Enhanced Iteration

Rapidly improve design and accelerate your development cycle.

Real-Time Reporting

Get instant updates with our automated reporting platform, DTB LTM (Lab Test Manager).

Full Lifecycle Integration

We support your product from initial design through its entire operational life.



Dayton T. Brown, Inc.

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