

ENHANCED VIBRATION TESTING FACILITY

**Innovation.
Integrity.
Dependability.**



Our T5500-3 teamed with the T4000/T2000 and T1000 electrodynamic vibration systems further expand our vibration and shock testing capabilities. As the only independent testing lab that has a T5500-3, we provide higher force and displacement levels, compared to the traditional machines, saving you time, money, and meeting your requirements faster. Some of these upgrades include:

- Vibration, up to 55,000 pounds of force for sine and random, continuous duty.
- Total of 3 inches of stroke to meet demanding vibration profiles.
- Reinforced steel and concrete seismic base supporting the shaker and slip table assembly, including floor isolation and auto-leveling.
- Integrated 60 x 60 inch (1524 x 1524 mm) slip table.
- Pneumatic Auto-Centering Head expansion system.
- Head expansion system 60 X 60 Inch (1524 x 1524 mm) work space.

As a valued customer, you are assigned engineering support throughout your program to assist you in evaluating your product's capabilities. Our 24/7 facility provides you with continuous testing satisfying all your needs under one roof.

www.dtb.com



Product Life Cycle Support Services
Serving Military and Commercial Markets
Since 1950



* Accredited Test Lab
767.01, 767.02, 767.03

**ISO 9001:2008 and AS9100C
Registered**



* NVLAP LAB CODE
200422-0

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Visit our web site at: www.dtb.com

* Please visit www.dtb.com for testing covered under our scopes of accreditation.

T5500-3 / T4000 / T2000 / T1000 System Capabilities

| | | T5500-3 | T4000 | T2000-3 | T1000 | Team Hydraulic Vibration Facilities |
|--|--------|---|---|---|---|--|
| Force Rating | Sine | 55,000 lbf | 40,000 lbf | 25,000 lbf | 25,000 lbf | 25,000 lbf |
| Continuous | Random | 55,000 lbf | 40,000 lbf | 23,000 lbf | 22,000 lbf | |
| Duty | Shock | 110,000 lbf | 80,000 lbf | 40,000 lbf | 40,000 lbf | |
| Force Rating | Sine | Same as | Same as | Same as | Same as | 25,000 lbf |
| Intermittent | Random | above | above | above | above | |
| Duty | Shock | Fully powered with 480 KVA Amplifier | Fully powered with 360 KVA Amplifier | Fully powered with 360 KVA Amplifier | Fully powered with 360 KVA Amplifier | |
| Sine Velocity Continuous Duty | | 85 in/sec | 80 in/sec | 80 in/sec | 85 in/sec | 40 in/sec |
| Sine Velocity Intermittent Duty | | 90 in/sec | 85 in/sec | 80 in/sec | 135 in/sec | 40 in/sec |
| Acceleration | Sine | 160 g | 130 g | 225 g | 250 g | --- |
| Continuous | Random | 125 g | 120 grms | 200 grms | 220 grms | --- |
| Duty | Shock | 320 g | 260 g | 450 g | 500 g | --- |
| Displacement Peak to Peak | | 3 inches of Displacement | 2 inches of Displacement | 3 inches of Displacement | 2 inches of Displacement | 5 inches of Displacement |
| Sine & Random Performance to 3,000 Hz | | Yes | Yes | Yes | Yes | 1 to 200 Hz |



A World of Engineering and Testing Under One Roof™

**DAYTON T. BROWN, INC.
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