

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



*A World of Engineering and Testing
Under One Roof™*



ISO 9001:2015 and AS9100D
Registered



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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 grms	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



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**DAYTON T. BROWN, INC.
ENGINEERING & TEST DIVISION**



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