

Horizontal Systems

Systems
&
Solutions

Engineered
vibration testing
solutions for
improved
product quality.

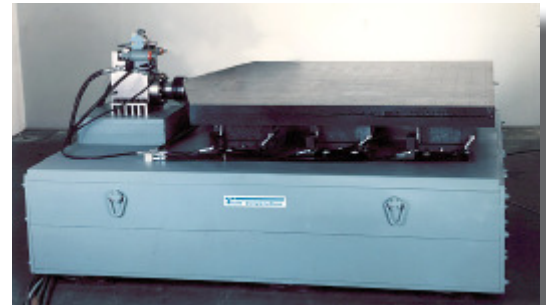
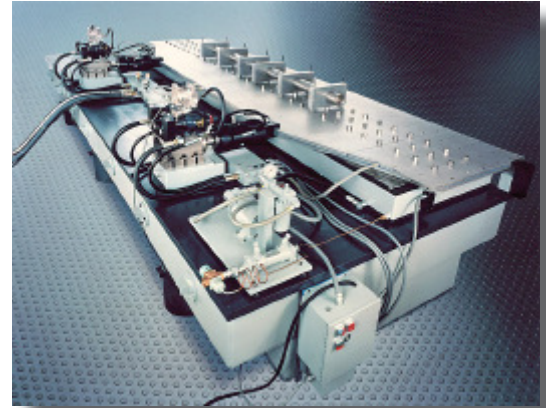
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The *Team* Horizontal vibration test system is a high performance, versatile, and cost effective testing system. The *Team* system has been developed specifically for vibration testing and takes advantage of the T-Film™ Slip Table for horizontal test article guidance and support. With the capability of sine, random, sine on random, random on random, or resonant search & dwell, the *Team* system will provide consistent, reliable test results year after year.

With the modular line of components, *Team* can provide you with a system that is best tailored to your test requirements. The actuator force, stroke and velocity are optimized to provide the highest frequency response within your budget constraints.

The air isolated seismic base will allow the system to be used on existing floors without modification, while the ultra low frequency isolators allow testing to very low frequencies.



Features:

- *Team* valve for over 500 Hz. capability
- Force range – 2,000 – 50,000 lb.
- Stroke range – 2 – 10 inches
- Slip Table sizes from 24 to 72 inches
- Air isolated seismic bases
- System designed for high frequency vibration testing from the base up
- Hydrostatic bearing supported piston
- No annual overhaul / seal replacement

Electronic Applications:

- Communication satellite testing
- Oil drilling & measurement systems

Automotive Applications:

- Radios, fuel tanks and tire dynamics
- Safety restraint systems

Military Applications:

- Container transportation testing
- Product qualification

Sample Specifications

	62/3.0 System	64/5.0 System	88/10.0 System
Dynamic force	6000 lb.(26,680 N)	10000 lb.(44,480 N)	20,000 lb.(88,960 N)
Stroke	2.0 in.(50 mm)	4.0 in.(100 mm)	8.0 in.(200 mm)
Servo valve	V-20/140	V-20/140	V-20/350
System velocity	21 in/sec54 cm/sec	22 in/sec56 cm/sec	35 in/sec89 cm/sec
T-Film Slip Table(suggested)	36" x 36"90 x 90 cm	48" x 48"120 x 120 cm	60" x 60"150 x 150 cm
Typical Load	660 lb.(300 kg)	880 lb.(400 kg)	1650 lb.(750 kg)
Seismic base	10,000 lb.(4550 kg)	15,000 lb.(6,825 kg)	20,000 lb.(9100 kg)
Maximum frequency	500 Hz.	500 Hz.	500 Hz.
Hydraulic Power Supply Pressure	3000 psi210 kf/cm ²	3000 psi210 kf/cm ²	3000 psi210 kf/cm ²
Hydraulic Power Supply Flow	17 gpm65 l/min	28 gpm110 l/min	70 gpm265 l/min