



>> Home

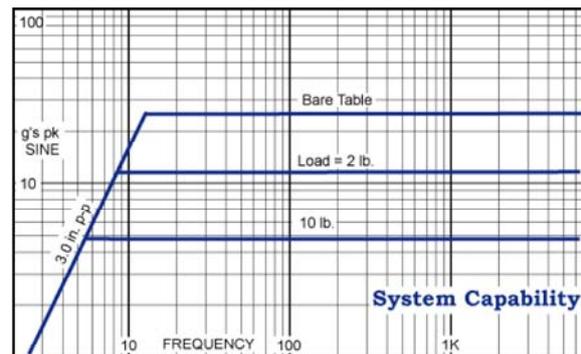
LW163.141-60



The LW163.141-60 system utilizes the Labworks MT-163 3"p-p thruster and pa-141 linear power amplifier to form our highest force 3" stroke permanent magnet field modal test system. The thruster's 3.0 inch stroke capability and low suspension spring rate makes this system ideal for most modal test applications. The thrusters armature features a through hole, and a single collett stinger attachment to accommodate both tension wire and stinger modal testing. The PA-141 amplifier is direct coupled to the shaker to give the maximum performance at both low and high frequencies and can be easily switched from voltage source mode to current source mode for force input testing applications. The standard voltage-proportional-to-current amplifier signal output facilitates servoed test operation. Dual bar graphs display the system operating levels and internal and external interlocks help protect the system from accidental abuse.

General Specifications

Sine force	60 lbs force pk
Blocked Armature Sine Force	60 lbs force pk
Random force	25 lbf rms random
Shock force	70 lbf pk shock
Frequency Range:	DC to 6500 Hz
Maximum Acceleration:	24 g pk, bare table 17 g pk, 1 lb. load 8 g pk, 5 lb. load
Maximum Displacement:	3.0 inch pk-pk
Cooling:	Amplifier: 2-Speed Fan Shaker: Cooling vacuum
Power Requirements:	3,000 VA @ 200, 220, or 240V*, single phase 50/60 Hz



System Components

- [MT-163 Modal Thruster](#)
- [PA-141 Linear Power Amplifier](#)
- [MS-129-163 Modal Stinger Kit](#)
- Interconnect Cables and Hoses



[CB-152-163 Cooling Vacuum](#)

*100V, 110V operation requires optional step up transformer.

System Options

- [VL-144/VL-145 Vibration Controller](#)
- [SC-121 Sine Servo Controller](#)
- [SG-135 Manual Sine Controller](#)
- Amplifier Rack Mount Brackets
- Rack Cabinet
- [Accelerometer Package](#)
- [SI-163 Base Isolation Mounts](#)



2950 airway ave., a-16 • costa mesa, ca 92626 • phone (714) 549-1981 • fax (714) 549-8041